

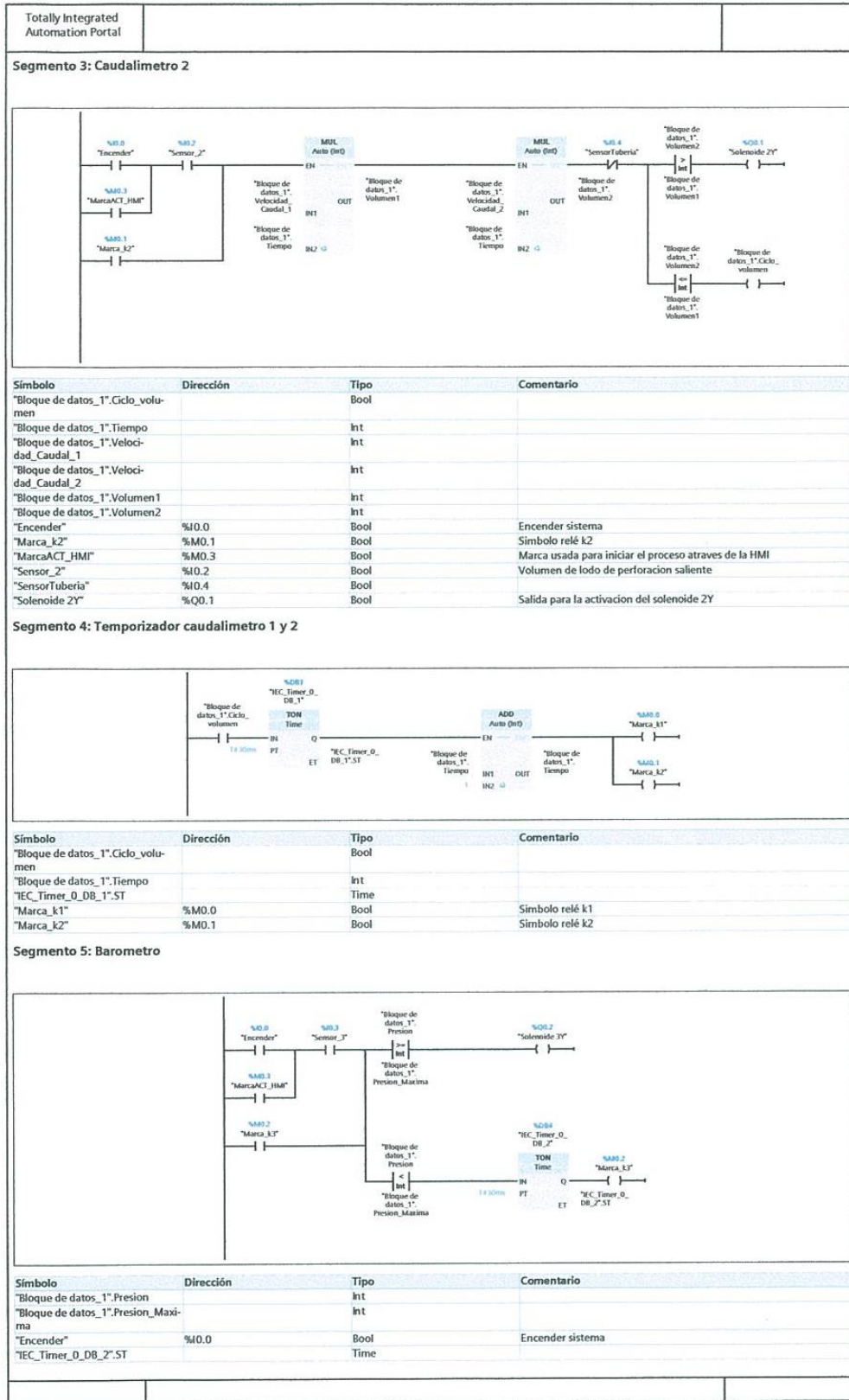
Anexo 5

| Totally Integrated Automation Portal   |                              |                  |                                       |            |      |         |     |      |    |        |     |            |            |  |  |  |  |  |  |        |                              |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |              |      |  |                         |           |      |  |                                       |      |  |  |  |          |  |  |  |         |           |      |            |        |       |      |  |
|--|------------------------------|------------------|---------------------------------------|------------|------|---------|-----|------|----|--------|-----|------------|------------|--|--|--|--|--|--|--------|------------------------------|-------|--|------------|--|---------|--|---------|-----|------------------|--|--|--|--|--|--------|---------------|---------------|------------|-------|--|--|--|--------------|------|--|-------------------------|-----------|------|--|---------------------------------------|------|--|--|--|----------|--|--|--|---------|-----------|------|------------|--------|-------|------|--|
| <p>PLC_1 [CPU 1516-3 PN/DP] / Bloques de programa</p> <p><b>Main [OB1]</b></p> <p><b>Main Propiedades</b></p> <p><b>General</b></p> <table border="1"> <tr> <td>Nombre</td> <td>Main</td> <td>Número</td> <td>1</td> <td>Tipo</td> <td>OB</td> <td>Idioma</td> <td>KOP</td> </tr> <tr> <td>Numeración</td> <td colspan="7">automática</td> </tr> </table> <p><b>Información</b></p> <table border="1"> <tr> <td>Título</td> <td>"Main Program Sweep (Cycle)"</td> <td>Autor</td> <td></td> <td>Comentario</td> <td></td> <td>Familia</td> <td></td> </tr> <tr> <td>Versión</td> <td>0.1</td> <td>ID personalizada</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p><b>Nombre</b></p> <table border="1"> <thead> <tr> <th>Nombre</th> <th>Tipo de datos</th> <th>Valor predet.</th> <th>Comentario</th> </tr> </thead> <tbody> <tr> <td>Input</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Initial_Call</td> <td>Bool</td> <td></td> <td>Initial call of this OB</td> </tr> <tr> <td>Remanence</td> <td>Bool</td> <td></td> <td>=True, if remanent data are available</td> </tr> <tr> <td>Temp</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Constant</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p><b>Segmento 1:</b></p> <pre> graph LR     EN[EN] --- ENO[ENO]     ENO --- C1["%M1<br/>"Bloque_1""]     C1 --- C2["%Q0.3<br/>"Paro""]     C2 --- OUT[ ]     </pre> <p><b>Símbolo</b></p> <table border="1"> <thead> <tr> <th>Símbolo</th> <th>Dirección</th> <th>Tipo</th> <th>Comentario</th> </tr> </thead> <tbody> <tr> <td>"Paro"</td> <td>%Q0.3</td> <td>Bool</td> <td></td> </tr> </tbody> </table> |                              |                  |                                       | Nombre     | Main | Número  | 1   | Tipo | OB | Idioma | KOP | Numeración | automática |  |  |  |  |  |  | Título | "Main Program Sweep (Cycle)" | Autor |  | Comentario |  | Familia |  | Versión | 0.1 | ID personalizada |  |  |  |  |  | Nombre | Tipo de datos | Valor predet. | Comentario | Input |  |  |  | Initial_Call | Bool |  | Initial call of this OB | Remanence | Bool |  | =True, if remanent data are available | Temp |  |  |  | Constant |  |  |  | Símbolo | Dirección | Tipo | Comentario | "Paro" | %Q0.3 | Bool |  |
| Nombre   | Main                         | Número           | 1                                     | Tipo       | OB   | Idioma  | KOP |      |    |        |     |            |            |  |  |  |  |  |  |        |                              |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |              |      |  |                         |           |      |  |                                       |      |  |  |  |          |  |  |  |         |           |      |            |        |       |      |  |
| Numeración   | automática                   |                  |                                       |            |      |         |     |      |    |        |     |            |            |  |  |  |  |  |  |        |                              |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |              |      |  |                         |           |      |  |                                       |      |  |  |  |          |  |  |  |         |           |      |            |        |       |      |  |
| Título   | "Main Program Sweep (Cycle)" | Autor            |                                       | Comentario |      | Familia |     |      |    |        |     |            |            |  |  |  |  |  |  |        |                              |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |              |      |  |                         |           |      |  |                                       |      |  |  |  |          |  |  |  |         |           |      |            |        |       |      |  |
| Versión  | 0.1                          | ID personalizada |                                       |            |      |         |     |      |    |        |     |            |            |  |  |  |  |  |  |        |                              |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |              |      |  |                         |           |      |  |                                       |      |  |  |  |          |  |  |  |         |           |      |            |        |       |      |  |
| Nombre   | Tipo de datos                | Valor predet.    | Comentario                            |            |      |         |     |      |    |        |     |            |            |  |  |  |  |  |  |        |                              |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |              |      |  |                         |           |      |  |                                       |      |  |  |  |          |  |  |  |         |           |      |            |        |       |      |  |
| Input  |                              |                  |                                       |            |      |         |     |      |    |        |     |            |            |  |  |  |  |  |  |        |                              |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |              |      |  |                         |           |      |  |                                       |      |  |  |  |          |  |  |  |         |           |      |            |        |       |      |  |
| Initial_Call   | Bool                         |                  | Initial call of this OB               |            |      |         |     |      |    |        |     |            |            |  |  |  |  |  |  |        |                              |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |              |      |  |                         |           |      |  |                                       |      |  |  |  |          |  |  |  |         |           |      |            |        |       |      |  |
| Remanence  | Bool                         |                  | =True, if remanent data are available |            |      |         |     |      |    |        |     |            |            |  |  |  |  |  |  |        |                              |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |              |      |  |                         |           |      |  |                                       |      |  |  |  |          |  |  |  |         |           |      |            |        |       |      |  |
| Temp   |                              |                  |                                       |            |      |         |     |      |    |        |     |            |            |  |  |  |  |  |  |        |                              |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |              |      |  |                         |           |      |  |                                       |      |  |  |  |          |  |  |  |         |           |      |            |        |       |      |  |
| Constant   |                              |                  |                                       |            |      |         |     |      |    |        |     |            |            |  |  |  |  |  |  |        |                              |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |              |      |  |                         |           |      |  |                                       |      |  |  |  |          |  |  |  |         |           |      |            |        |       |      |  |
| Símbolo  | Dirección                    | Tipo             | Comentario                            |            |      |         |     |      |    |        |     |            |            |  |  |  |  |  |  |        |                              |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |              |      |  |                         |           |      |  |                                       |      |  |  |  |          |  |  |  |         |           |      |            |        |       |      |  |
| "Paro"   | %Q0.3                        | Bool             |                                       |            |      |         |     |      |    |        |     |            |            |  |  |  |  |  |  |        |                              |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |              |      |  |                         |           |      |  |                                       |      |  |  |  |          |  |  |  |         |           |      |            |        |       |      |  |

Anexo 6

| Totally Integrated Automation Portal   |               |                  |  |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
|--|---------------|------------------|--|------------|----|---------|-----|---------|--|--|--|--|--|--|--|--------|----------|--------|---|------|----|--------|-----|-------------|--|--|--|--|--|--|--|--------|--|-------|--|------------|--|---------|--|---------|-----|------------------|--|--|--|--|--|--------|---------------|---------------|------------|-------|--|--|--|--------|--|--|--|-------|--|--|--|------|--|--|--|----------|--|--|--|--------|--|--|--|----------|------|--|--|---------|-----------|------|------------|------------|-------|------|------------------|----------------|-------|------|--|------------|-------|------|---|------------|-------|------|---|------------|-------|------|--------------------|-----------------|-------|------|--|---------|-----------|------|------------|-----------------------------------|--|------|--|----------------------------|--|-----|--|--|--|-----|--|--|--|-----|--|------------------------------|--|-----|--|------------------------------|--|-----|--|------------|-------|------|------------------|------------|-------|------|-----------------|----------------|-------|------|--|------------|-------|------|---|-----------------|-------|------|--|----------------|-------|------|--|
| <p>PLC_1 [CPU 1516-3 PN/DP] / Bloques de programa</p> <p><b>Bloque_1 [FC1]</b></p> <p><b>Bloque_1 Propiedades</b></p> <table border="1"> <tr> <th colspan="8">General</th> </tr> <tr> <td>Nombre</td> <td>Bloque_1</td> <td>Número</td> <td>1</td> <td>Tipo</td> <td>FC</td> <td>Idioma</td> <td>KOP</td> </tr> <tr> <th colspan="8">Información</th> </tr> <tr> <td>Título</td> <td></td> <td>Autor</td> <td></td> <td>Comentario</td> <td></td> <td>Familia</td> <td></td> </tr> <tr> <td>Versión</td> <td>0.1</td> <td>ID personalizada</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <table border="1"> <thead> <tr> <th>Nombre</th> <th>Tipo de datos</th> <th>Valor predet.</th> <th>Comentario</th> </tr> </thead> <tbody> <tr> <td>Input</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Output</td> <td></td> <td></td> <td></td> </tr> <tr> <td>InOut</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Temp</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Constant</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Return</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Bloque_1</td> <td>Void</td> <td></td> <td></td> </tr> </tbody> </table> <p><b>Segmento 1: Visualizacion de proceso</b></p> <table border="1"> <thead> <tr> <th>Símbolo</th> <th>Dirección</th> <th>Tipo</th> <th>Comentario</th> </tr> </thead> <tbody> <tr> <td>"Encender"</td> <td>%I0.0</td> <td>Bool</td> <td>Encender sistema</td> </tr> <tr> <td>"MarcaACT_HMI"</td> <td>%M0.3</td> <td>Bool</td> <td>Marca usada para iniciar el proceso a través de la HMI</td> </tr> <tr> <td>"Sensor_1"</td> <td>%I0.1</td> <td>Bool</td> <td>Volumen de lodo de perforación entrante</td> </tr> <tr> <td>"Sensor_2"</td> <td>%I0.2</td> <td>Bool</td> <td>Volumen de lodo de perforación saliente</td> </tr> <tr> <td>"Sensor_3"</td> <td>%I0.3</td> <td>Bool</td> <td>Presión registrada</td> </tr> <tr> <td>"VisualizarHMI"</td> <td>%M0.4</td> <td>Bool</td> <td>Marca usada para visualizar el proceso en la HMI</td> </tr> </tbody> </table> <p><b>Segmento 2: Caudalimetro 1</b></p> <table border="1"> <thead> <tr> <th>Símbolo</th> <th>Dirección</th> <th>Tipo</th> <th>Comentario</th> </tr> </thead> <tbody> <tr> <td>"Bloque de datos_1".Ciclo_volumen</td> <td></td> <td>Bool</td> <td></td> </tr> <tr> <td>"Bloque de datos_1".Tiempo</td> <td></td> <td>Int</td> <td></td> </tr> <tr> <td>"Bloque de datos_1".Velocidad_Caudal_1</td> <td></td> <td>Int</td> <td></td> </tr> <tr> <td>"Bloque de datos_1".Velocidad_Caudal_2</td> <td></td> <td>Int</td> <td></td> </tr> <tr> <td>"Bloque de datos_1".Volumen1</td> <td></td> <td>Int</td> <td></td> </tr> <tr> <td>"Bloque de datos_1".Volumen2</td> <td></td> <td>Int</td> <td></td> </tr> <tr> <td>"Encender"</td> <td>%I0.0</td> <td>Bool</td> <td>Encender sistema</td> </tr> <tr> <td>"Marca_k1"</td> <td>%M0.0</td> <td>Bool</td> <td>Símbolo relé k1</td> </tr> <tr> <td>"MarcaACT_HMI"</td> <td>%M0.3</td> <td>Bool</td> <td>Marca usada para iniciar el proceso a través de la HMI</td> </tr> <tr> <td>"Sensor_1"</td> <td>%I0.1</td> <td>Bool</td> <td>Volumen de lodo de perforación entrante</td> </tr> <tr> <td>"SensorTuberia"</td> <td>%I0.4</td> <td>Bool</td> <td></td> </tr> <tr> <td>"Solenoido 1Y"</td> <td>%Q0.0</td> <td>Bool</td> <td>Salida para la activación del solenoide 1Y</td> </tr> </tbody> </table> |               |                  |  |            |    |         |     | General |  |  |  |  |  |  |  | Nombre | Bloque_1 | Número | 1 | Tipo | FC | Idioma | KOP | Información |  |  |  |  |  |  |  | Título |  | Autor |  | Comentario |  | Familia |  | Versión | 0.1 | ID personalizada |  |  |  |  |  | Nombre | Tipo de datos | Valor predet. | Comentario | Input |  |  |  | Output |  |  |  | InOut |  |  |  | Temp |  |  |  | Constant |  |  |  | Return |  |  |  | Bloque_1 | Void |  |  | Símbolo | Dirección | Tipo | Comentario | "Encender" | %I0.0 | Bool | Encender sistema | "MarcaACT_HMI" | %M0.3 | Bool | Marca usada para iniciar el proceso a través de la HMI | "Sensor_1" | %I0.1 | Bool | Volumen de lodo de perforación entrante | "Sensor_2" | %I0.2 | Bool | Volumen de lodo de perforación saliente | "Sensor_3" | %I0.3 | Bool | Presión registrada | "VisualizarHMI" | %M0.4 | Bool | Marca usada para visualizar el proceso en la HMI | Símbolo | Dirección | Tipo | Comentario | "Bloque de datos_1".Ciclo_volumen |  | Bool |  | "Bloque de datos_1".Tiempo |  | Int |  | "Bloque de datos_1".Velocidad_Caudal_1 |  | Int |  | "Bloque de datos_1".Velocidad_Caudal_2 |  | Int |  | "Bloque de datos_1".Volumen1 |  | Int |  | "Bloque de datos_1".Volumen2 |  | Int |  | "Encender" | %I0.0 | Bool | Encender sistema | "Marca_k1" | %M0.0 | Bool | Símbolo relé k1 | "MarcaACT_HMI" | %M0.3 | Bool | Marca usada para iniciar el proceso a través de la HMI | "Sensor_1" | %I0.1 | Bool | Volumen de lodo de perforación entrante | "SensorTuberia" | %I0.4 | Bool |  | "Solenoido 1Y" | %Q0.0 | Bool | Salida para la activación del solenoide 1Y |
| General  |               |                  |  |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| Nombre   | Bloque_1      | Número           | 1  | Tipo       | FC | Idioma  | KOP |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| Información  |               |                  |  |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| Título   |               | Autor            |  | Comentario |    | Familia |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| Versión  | 0.1           | ID personalizada |  |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| Nombre   | Tipo de datos | Valor predet.    | Comentario   |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| Input  |               |                  |  |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| Output   |               |                  |  |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| InOut  |               |                  |  |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| Temp   |               |                  |  |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| Constant   |               |                  |  |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| Return   |               |                  |  |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| Bloque_1   | Void          |                  |  |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| Símbolo  | Dirección     | Tipo             | Comentario   |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| "Encender"   | %I0.0         | Bool             | Encender sistema                                       |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| "MarcaACT_HMI"   | %M0.3         | Bool             | Marca usada para iniciar el proceso a través de la HMI |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| "Sensor_1"   | %I0.1         | Bool             | Volumen de lodo de perforación entrante                |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| "Sensor_2"   | %I0.2         | Bool             | Volumen de lodo de perforación saliente                |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| "Sensor_3"   | %I0.3         | Bool             | Presión registrada                                     |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| "VisualizarHMI"  | %M0.4         | Bool             | Marca usada para visualizar el proceso en la HMI       |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| Símbolo  | Dirección     | Tipo             | Comentario   |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| "Bloque de datos_1".Ciclo_volumen  |               | Bool             |  |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| "Bloque de datos_1".Tiempo   |               | Int              |  |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| "Bloque de datos_1".Velocidad_Caudal_1   |               | Int              |  |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| "Bloque de datos_1".Velocidad_Caudal_2   |               | Int              |  |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| "Bloque de datos_1".Volumen1   |               | Int              |  |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| "Bloque de datos_1".Volumen2   |               | Int              |  |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| "Encender"   | %I0.0         | Bool             | Encender sistema                                       |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| "Marca_k1"   | %M0.0         | Bool             | Símbolo relé k1  |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| "MarcaACT_HMI"   | %M0.3         | Bool             | Marca usada para iniciar el proceso a través de la HMI |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| "Sensor_1"   | %I0.1         | Bool             | Volumen de lodo de perforación entrante                |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| "SensorTuberia"  | %I0.4         | Bool             |  |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |
| "Solenoido 1Y"   | %Q0.0         | Bool             | Salida para la activación del solenoide 1Y             |            |    |         |     |         |  |  |  |  |  |  |  |        |          |        |   |      |    |        |     |             |  |  |  |  |  |  |  |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |               |            |       |  |  |  |        |  |  |  |       |  |  |  |      |  |  |  |          |  |  |  |        |  |  |  |          |      |  |  |         |           |      |            |            |       |      |                  |                |       |      |  |            |       |      |   |            |       |      |   |            |       |      |                    |                 |       |      |  |         |           |      |            |                                   |  |      |  |                            |  |     |  |  |  |     |  |  |  |     |  |                              |  |     |  |                              |  |     |  |            |       |      |                  |            |       |      |                 |                |       |      |  |            |       |      |   |                 |       |      |  |                |       |      |  |

Anexo 7



## Anexo 8

| Totally Integrated Automation Portal |           |      |  |
|--------------------------------------|-----------|------|--|
| Símbolo                              | Dirección | Tipo | Comentario   |
| "Marca_k3"                           | %M0.2     | Bool | Símbolo relé k3  |
| "MarcaACT_HMI"                       | %M0.3     | Bool | Marca usada para iniciar el proceso a través de la HMI |
| "Sensor_3"                           | %I0.3     | Bool | Presión registrada                                     |
| "Solenoido 3Y"                       | %Q0.2     | Bool | Salida para la activación del solenoide 3Y             |

Anexo 9

| Totally Integrated Automation Portal  |                   |                   |            |                     |                |                 |            |        |                   |        |   |      |    |        |    |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |                   |            |                     |                |                 |            |          |  |  |  |  |  |  |  |          |     |   |       |      |      |       |  |          |     |   |       |      |      |       |  |                    |     |    |       |      |      |      |  |                    |     |    |       |      |      |       |  |        |     |   |       |      |      |       |  |               |      |       |       |      |      |       |  |         |     |    |       |      |      |      |  |                |     |    |       |      |      |       |  |
|---|-------------------|-------------------|------------|---------------------|----------------|-----------------|------------|--------|-------------------|--------|---|------|----|--------|----|--------|--|-------|--|------------|--|---------|--|---------|-----|------------------|--|--|--|--|--|--------|---------------|-------------------|------------|---------------------|----------------|-----------------|------------|----------|--|--|--|--|--|--|--|----------|-----|---|-------|------|------|-------|--|----------|-----|---|-------|------|------|-------|--|--------------------|-----|----|-------|------|------|------|--|--------------------|-----|----|-------|------|------|-------|--|--------|-----|---|-------|------|------|-------|--|---------------|------|-------|-------|------|------|-------|--|---------|-----|----|-------|------|------|------|--|----------------|-----|----|-------|------|------|-------|--|
| <p>PLC_1 [CPU 1516-3 PN/DP] / Bloques de programa</p> <p><b>Bloque de datos_1 [DB1]</b></p> <p>Bloque de datos_1 Propiedades</p> <p><b>General</b></p> <table border="1"> <tr> <td>Nombre</td> <td>Bloque de datos_1</td> <td>Número</td> <td>1</td> <td>Tipo</td> <td>DB</td> <td>Idioma</td> <td>DB</td> </tr> </table> <p>Numeración automática</p> <p><b>Información</b></p> <table border="1"> <tr> <td>Título</td> <td></td> <td>Autor</td> <td></td> <td>Comentario</td> <td></td> <td>Familia</td> <td></td> </tr> <tr> <td>Versión</td> <td>0.1</td> <td>ID personalizada</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <table border="1"> <thead> <tr> <th>Nombre</th> <th>Tipo de datos</th> <th>Valor de arranque</th> <th>Remanencia</th> <th>Accesible desde HMI</th> <th>Visible en HMI</th> <th>Valor de ajuste</th> <th>Comentario</th> </tr> </thead> <tbody> <tr> <td>▼ Static</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Volumen1</td> <td>Int</td> <td>0</td> <td>False</td> <td>True</td> <td>True</td> <td>False</td> <td></td> </tr> <tr> <td>Volumen2</td> <td>Int</td> <td>0</td> <td>False</td> <td>True</td> <td>True</td> <td>False</td> <td></td> </tr> <tr> <td>Velocidad_Caudal_1</td> <td>Int</td> <td>10</td> <td>False</td> <td>True</td> <td>True</td> <td>True</td> <td></td> </tr> <tr> <td>Velocidad_Caudal_2</td> <td>Int</td> <td>12</td> <td>False</td> <td>True</td> <td>True</td> <td>False</td> <td></td> </tr> <tr> <td>Tiempo</td> <td>Int</td> <td>0</td> <td>False</td> <td>True</td> <td>True</td> <td>False</td> <td></td> </tr> <tr> <td>Ciclo_volumen</td> <td>Bool</td> <td>false</td> <td>False</td> <td>True</td> <td>True</td> <td>False</td> <td></td> </tr> <tr> <td>Presion</td> <td>Int</td> <td>20</td> <td>False</td> <td>True</td> <td>True</td> <td>True</td> <td></td> </tr> <tr> <td>Presion_Maxima</td> <td>Int</td> <td>24</td> <td>False</td> <td>True</td> <td>True</td> <td>False</td> <td></td> </tr> </tbody> </table> |                   |                   |            |                     |                |                 |            | Nombre | Bloque de datos_1 | Número | 1 | Tipo | DB | Idioma | DB | Título |  | Autor |  | Comentario |  | Familia |  | Versión | 0.1 | ID personalizada |  |  |  |  |  | Nombre | Tipo de datos | Valor de arranque | Remanencia | Accesible desde HMI | Visible en HMI | Valor de ajuste | Comentario | ▼ Static |  |  |  |  |  |  |  | Volumen1 | Int | 0 | False | True | True | False |  | Volumen2 | Int | 0 | False | True | True | False |  | Velocidad_Caudal_1 | Int | 10 | False | True | True | True |  | Velocidad_Caudal_2 | Int | 12 | False | True | True | False |  | Tiempo | Int | 0 | False | True | True | False |  | Ciclo_volumen | Bool | false | False | True | True | False |  | Presion | Int | 20 | False | True | True | True |  | Presion_Maxima | Int | 24 | False | True | True | False |  |
| Nombre  | Bloque de datos_1 | Número            | 1          | Tipo                | DB             | Idioma          | DB         |        |                   |        |   |      |    |        |    |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |                   |            |                     |                |                 |            |          |  |  |  |  |  |  |  |          |     |   |       |      |      |       |  |          |     |   |       |      |      |       |  |                    |     |    |       |      |      |      |  |                    |     |    |       |      |      |       |  |        |     |   |       |      |      |       |  |               |      |       |       |      |      |       |  |         |     |    |       |      |      |      |  |                |     |    |       |      |      |       |  |
| Título  |                   | Autor             |            | Comentario          |                | Familia         |            |        |                   |        |   |      |    |        |    |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |                   |            |                     |                |                 |            |          |  |  |  |  |  |  |  |          |     |   |       |      |      |       |  |          |     |   |       |      |      |       |  |                    |     |    |       |      |      |      |  |                    |     |    |       |      |      |       |  |        |     |   |       |      |      |       |  |               |      |       |       |      |      |       |  |         |     |    |       |      |      |      |  |                |     |    |       |      |      |       |  |
| Versión   | 0.1               | ID personalizada  |            |                     |                |                 |            |        |                   |        |   |      |    |        |    |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |                   |            |                     |                |                 |            |          |  |  |  |  |  |  |  |          |     |   |       |      |      |       |  |          |     |   |       |      |      |       |  |                    |     |    |       |      |      |      |  |                    |     |    |       |      |      |       |  |        |     |   |       |      |      |       |  |               |      |       |       |      |      |       |  |         |     |    |       |      |      |      |  |                |     |    |       |      |      |       |  |
| Nombre  | Tipo de datos     | Valor de arranque | Remanencia | Accesible desde HMI | Visible en HMI | Valor de ajuste | Comentario |        |                   |        |   |      |    |        |    |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |                   |            |                     |                |                 |            |          |  |  |  |  |  |  |  |          |     |   |       |      |      |       |  |          |     |   |       |      |      |       |  |                    |     |    |       |      |      |      |  |                    |     |    |       |      |      |       |  |        |     |   |       |      |      |       |  |               |      |       |       |      |      |       |  |         |     |    |       |      |      |      |  |                |     |    |       |      |      |       |  |
| ▼ Static  |                   |                   |            |                     |                |                 |            |        |                   |        |   |      |    |        |    |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |                   |            |                     |                |                 |            |          |  |  |  |  |  |  |  |          |     |   |       |      |      |       |  |          |     |   |       |      |      |       |  |                    |     |    |       |      |      |      |  |                    |     |    |       |      |      |       |  |        |     |   |       |      |      |       |  |               |      |       |       |      |      |       |  |         |     |    |       |      |      |      |  |                |     |    |       |      |      |       |  |
| Volumen1  | Int               | 0                 | False      | True                | True           | False           |            |        |                   |        |   |      |    |        |    |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |                   |            |                     |                |                 |            |          |  |  |  |  |  |  |  |          |     |   |       |      |      |       |  |          |     |   |       |      |      |       |  |                    |     |    |       |      |      |      |  |                    |     |    |       |      |      |       |  |        |     |   |       |      |      |       |  |               |      |       |       |      |      |       |  |         |     |    |       |      |      |      |  |                |     |    |       |      |      |       |  |
| Volumen2  | Int               | 0                 | False      | True                | True           | False           |            |        |                   |        |   |      |    |        |    |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |                   |            |                     |                |                 |            |          |  |  |  |  |  |  |  |          |     |   |       |      |      |       |  |          |     |   |       |      |      |       |  |                    |     |    |       |      |      |      |  |                    |     |    |       |      |      |       |  |        |     |   |       |      |      |       |  |               |      |       |       |      |      |       |  |         |     |    |       |      |      |      |  |                |     |    |       |      |      |       |  |
| Velocidad_Caudal_1  | Int               | 10                | False      | True                | True           | True            |            |        |                   |        |   |      |    |        |    |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |                   |            |                     |                |                 |            |          |  |  |  |  |  |  |  |          |     |   |       |      |      |       |  |          |     |   |       |      |      |       |  |                    |     |    |       |      |      |      |  |                    |     |    |       |      |      |       |  |        |     |   |       |      |      |       |  |               |      |       |       |      |      |       |  |         |     |    |       |      |      |      |  |                |     |    |       |      |      |       |  |
| Velocidad_Caudal_2  | Int               | 12                | False      | True                | True           | False           |            |        |                   |        |   |      |    |        |    |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |                   |            |                     |                |                 |            |          |  |  |  |  |  |  |  |          |     |   |       |      |      |       |  |          |     |   |       |      |      |       |  |                    |     |    |       |      |      |      |  |                    |     |    |       |      |      |       |  |        |     |   |       |      |      |       |  |               |      |       |       |      |      |       |  |         |     |    |       |      |      |      |  |                |     |    |       |      |      |       |  |
| Tiempo  | Int               | 0                 | False      | True                | True           | False           |            |        |                   |        |   |      |    |        |    |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |                   |            |                     |                |                 |            |          |  |  |  |  |  |  |  |          |     |   |       |      |      |       |  |          |     |   |       |      |      |       |  |                    |     |    |       |      |      |      |  |                    |     |    |       |      |      |       |  |        |     |   |       |      |      |       |  |               |      |       |       |      |      |       |  |         |     |    |       |      |      |      |  |                |     |    |       |      |      |       |  |
| Ciclo_volumen   | Bool              | false             | False      | True                | True           | False           |            |        |                   |        |   |      |    |        |    |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |                   |            |                     |                |                 |            |          |  |  |  |  |  |  |  |          |     |   |       |      |      |       |  |          |     |   |       |      |      |       |  |                    |     |    |       |      |      |      |  |                    |     |    |       |      |      |       |  |        |     |   |       |      |      |       |  |               |      |       |       |      |      |       |  |         |     |    |       |      |      |      |  |                |     |    |       |      |      |       |  |
| Presion   | Int               | 20                | False      | True                | True           | True            |            |        |                   |        |   |      |    |        |    |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |                   |            |                     |                |                 |            |          |  |  |  |  |  |  |  |          |     |   |       |      |      |       |  |          |     |   |       |      |      |       |  |                    |     |    |       |      |      |      |  |                    |     |    |       |      |      |       |  |        |     |   |       |      |      |       |  |               |      |       |       |      |      |       |  |         |     |    |       |      |      |      |  |                |     |    |       |      |      |       |  |
| Presion_Maxima  | Int               | 24                | False      | True                | True           | False           |            |        |                   |        |   |      |    |        |    |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |                   |            |                     |                |                 |            |          |  |  |  |  |  |  |  |          |     |   |       |      |      |       |  |          |     |   |       |      |      |       |  |                    |     |    |       |      |      |      |  |                    |     |    |       |      |      |       |  |        |     |   |       |      |      |       |  |               |      |       |       |      |      |       |  |         |     |    |       |      |      |      |  |                |     |    |       |      |      |       |  |
|   |                   |                   |            |                     |                |                 |            |        |                   |        |   |      |    |        |    |        |  |       |  |            |  |         |  |         |     |                  |  |  |  |  |  |        |               |                   |            |                     |                |                 |            |          |  |  |  |  |  |  |  |          |     |   |       |      |      |       |  |          |     |   |       |      |      |       |  |                    |     |    |       |      |      |      |  |                    |     |    |       |      |      |       |  |        |     |   |       |      |      |       |  |               |      |       |       |      |      |       |  |         |     |    |       |      |      |      |  |                |     |    |       |      |      |       |  |