

SOFREL YDRIX

SMART Remote Terminal Unit for telemetry and process control of water networks



SOFREL YDRIX: smart RTU FOR MONITORING AND AUTOMATION OF WATER FACILITIES



Pumping stations



Water Treatment Plant



Water tank



Waste Water Treatment Plant



Waste Water Lift Station



A RTU 100% DEDICATED TO WATER INDUSTRY

- **24/7 facilities remote control and management**
- **Automation functions** from simple commands to process control
- **Safe and reliable Inter-RTUs and SOFREL data loggers communication** for remote facilities control
- **Compliant with all SCADA**

SIMPLIFIED REMOTE FACILITIES MANAGEMENT AND SECURED COMMUNICATION

- ▶ Integrated 2G/3G/4G modem, Ethernet ports and VPN
- ▶ Cybersecurity
- ▶ Inter-sites M2M communication
- ▶ Communication media redundancy
- ▶ Dedicated Water use cases functions
- ▶ Integrated webserver
- ▶ DNP3 & IEC compliant



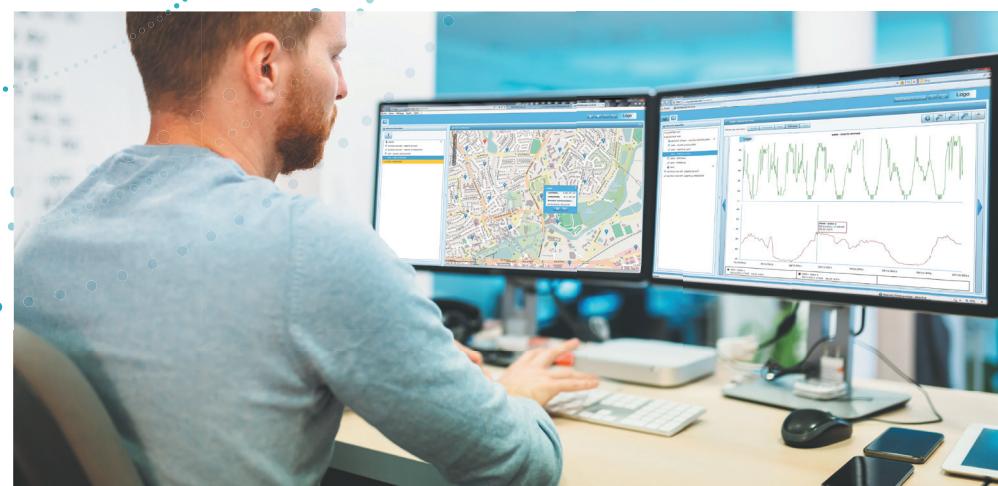
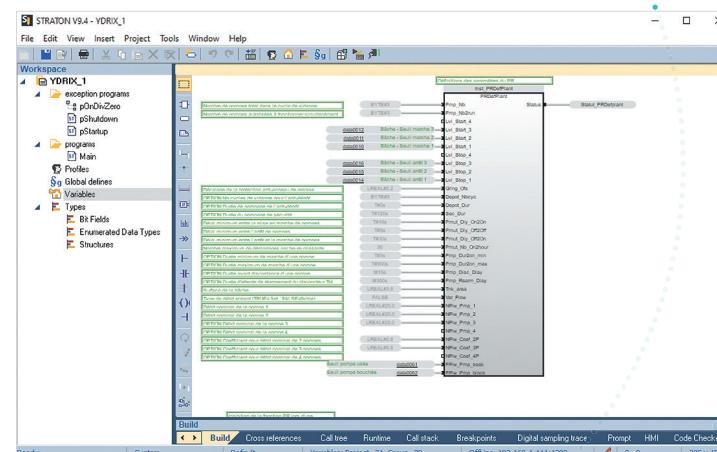
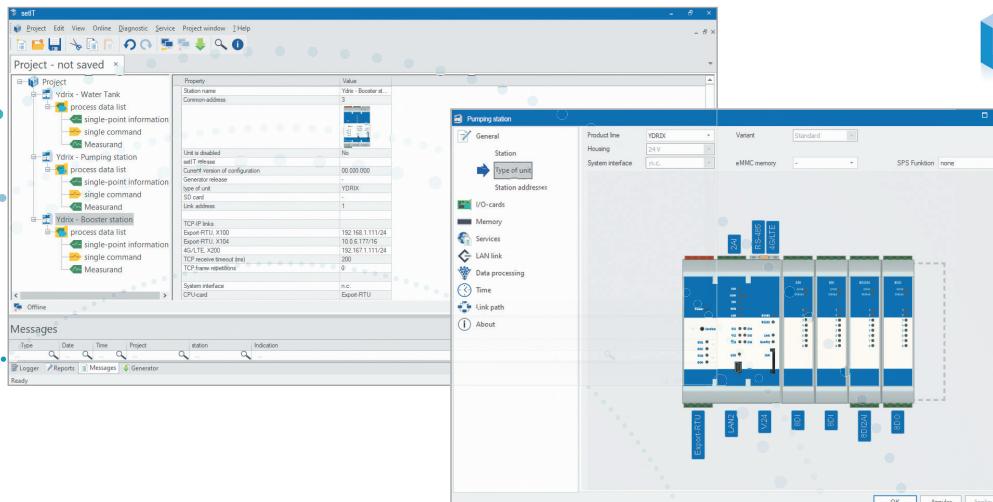
Smart software to save time in applications implementation

AUTOMATION WORKBENCH

- Program languages:
ST-Ladder-FBD-SFC (grafcet)
- Systems and water libraries: calculation,
flowrate, PID, lifting station blocs...
- Tuning tools: Simulator, debugger,
graphical analysis...

INTEGRATED WEB SERVER ON YDRIX SOFREL

- Station information
- Inputs & outputs status & settings
- System State
- Logs



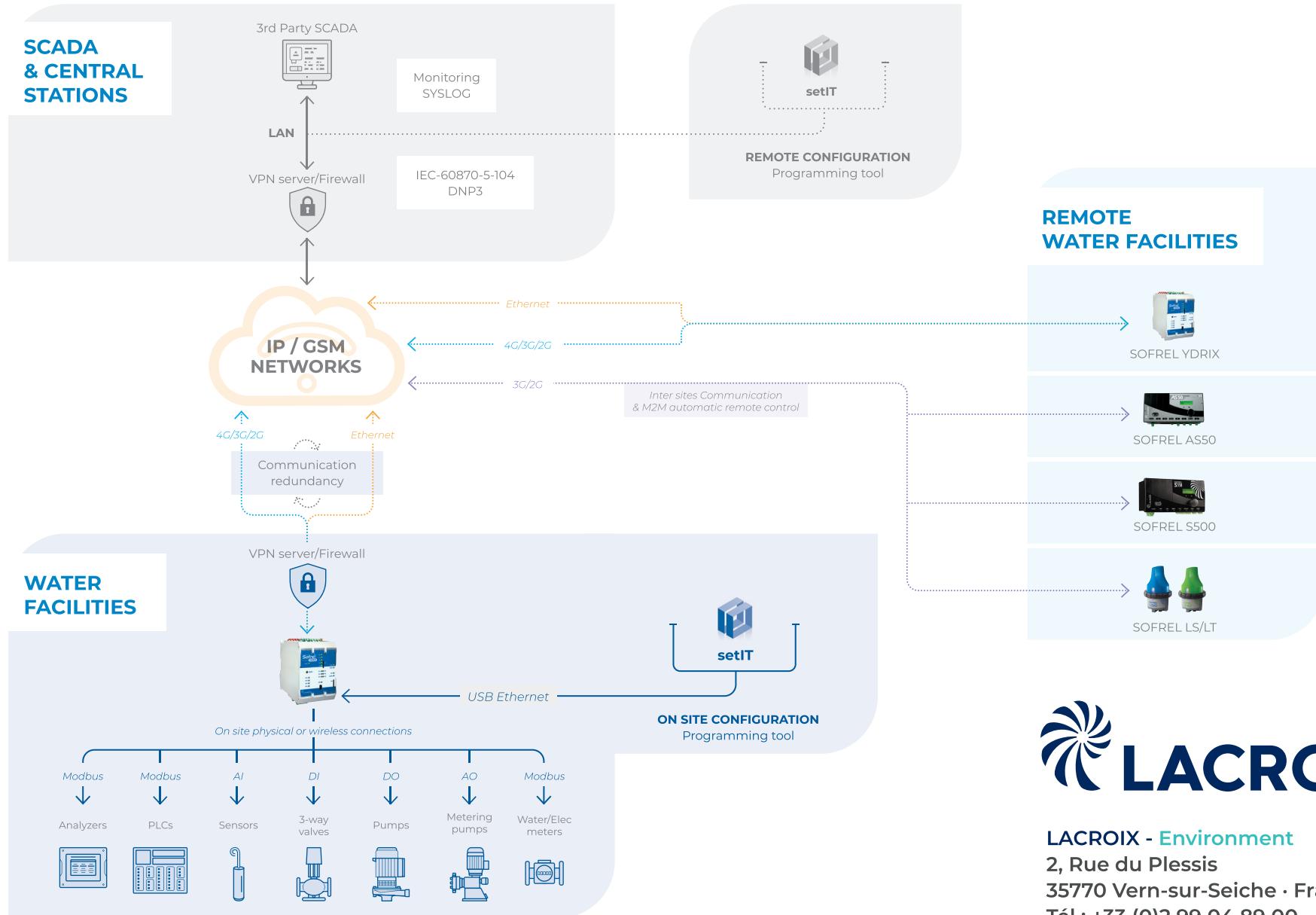
setIT: SIMPLIFIED EQUIPMENT CONFIGURATION SOFTWARE

- Product, I/O, protocols,
communication configuration
- Load/save project
- CSV import/export



Water library blocks
available (lift station, PID,
flow rates...)

Remote management network architecture



LACROIX - Environment
2, Rue du Plessis
35770 Vern-sur-Seiche · France
Tél : +33 (0)2 99 04 89 00
info@lacroix-sofreli.com

www.lacroix-sofreli.com