Centros de Control Unificados

Parte 1: La Telemetría como base del Control Unificado

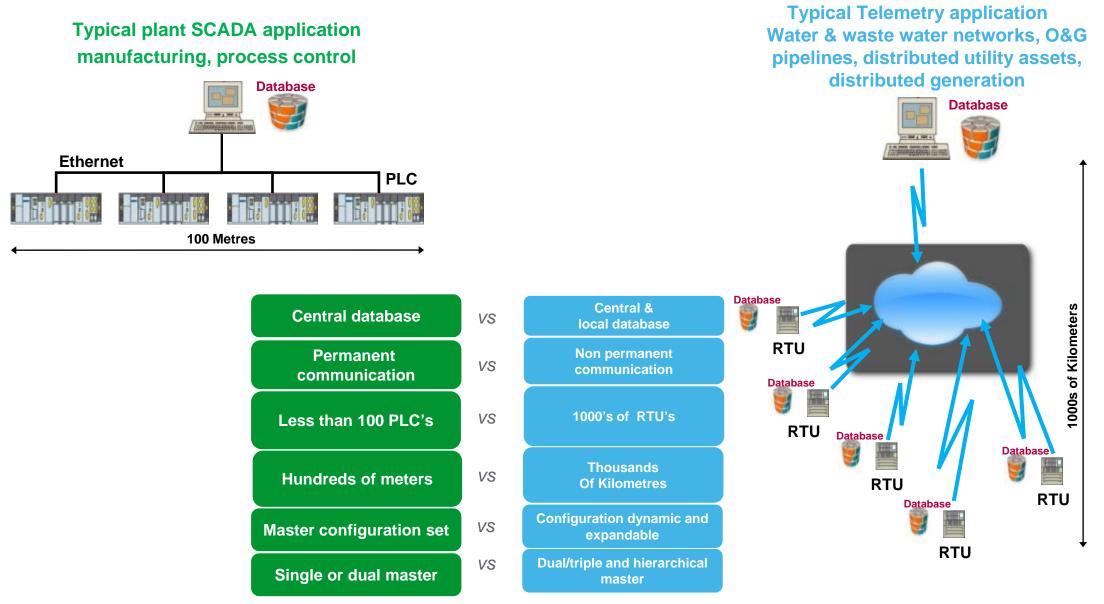
Ramón López Carreras 19 de Mayo de 2023





Confidential Property of Schneider Electric

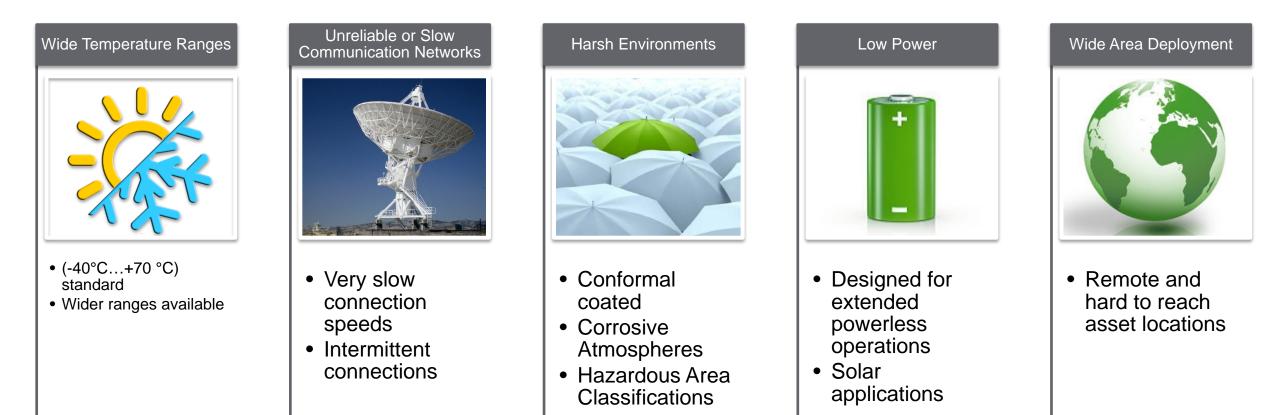
SCADA vs Telemetry / Remote SCADA



Internal

What Makes Telemetry Different?

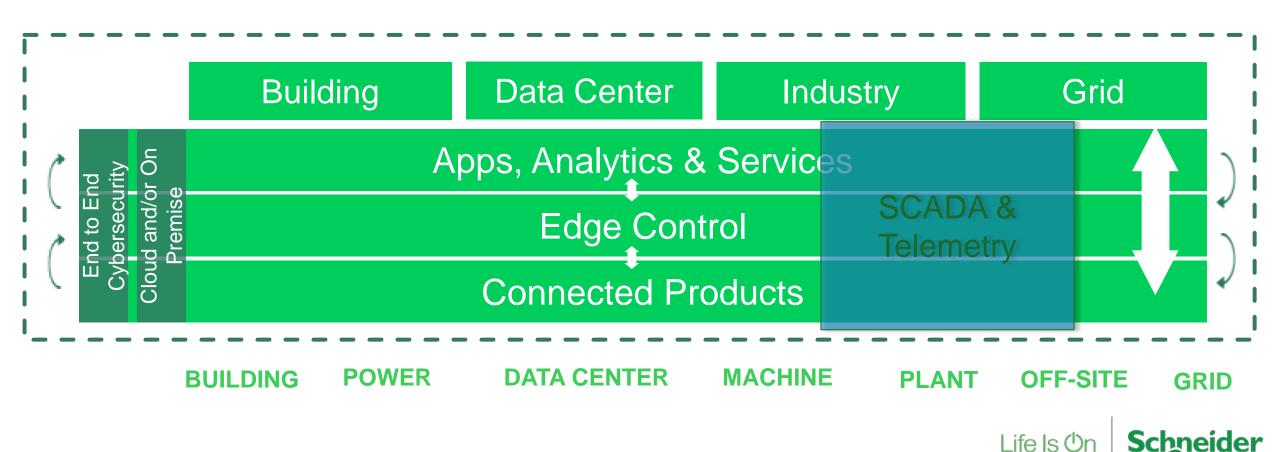
Equipment designed for the realities of Networks



Life Is On

Schneider

SCADA and Telemetry Portfolio within EcoStruxure EcoStruxure^m Innovation At Every Level



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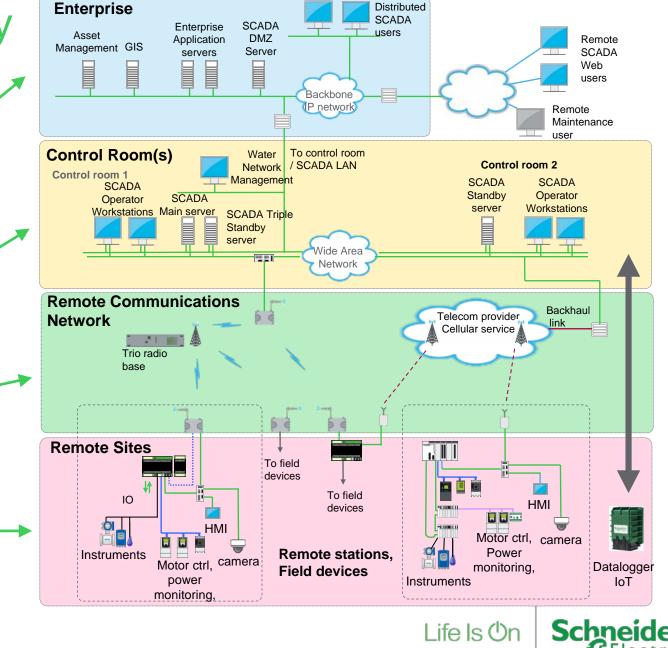
What do SCADA & Telemetry Solutions Look Like?

Making your data available to / business systems and applications

Allowing advanced control and visibility of your entire system

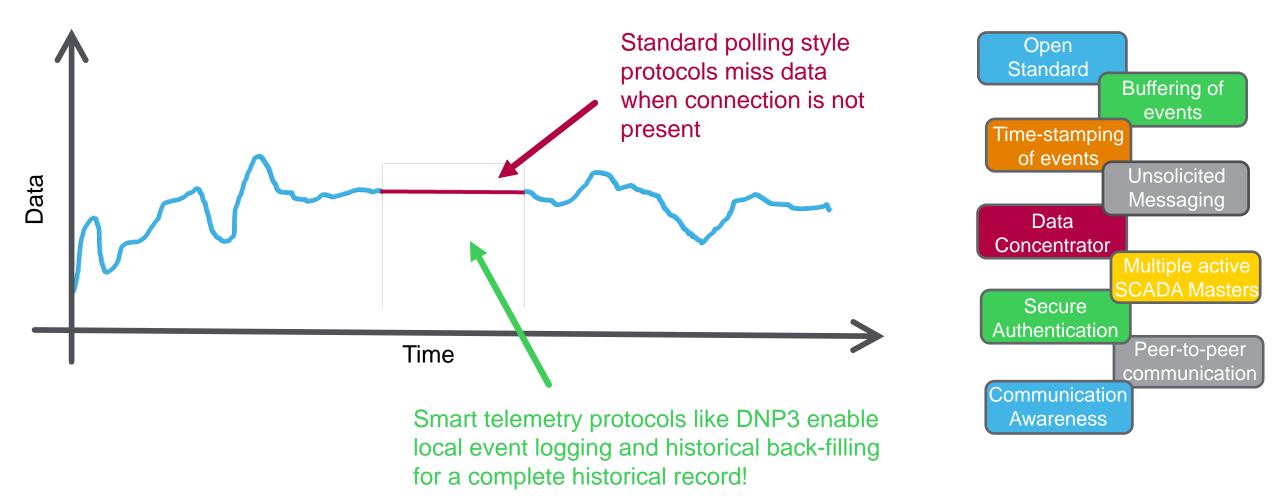
Connecting your remote stations regardless of locations

Controlling and optimizing remote station performance



Telemetry Protocols

Protocols designed for the realities of Networks

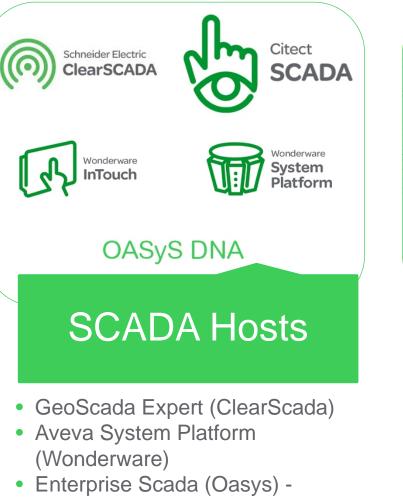


Life Is Or

How?



- SCADAPack RTU
- Modicon ePAC
- Soft dPAC
- Datalogger IoT





- UOC
- AVEVA PI

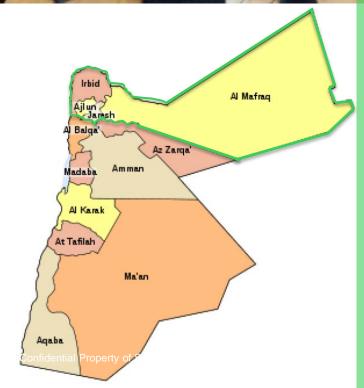


Legacy

SCADA Northern Governorates, JO

Water supply to a water- stressed region





Customer Challenge

- Supply increasing water demand driven by population and economical growth and protect very limited water resources
- Modernization of aging infrastructure and service improvement

The Solution

- LV Power Distribution: switchboards
- Motor control: MCC, Altistart soft starters
- Secure Power: UPS
- Communication: TRIO radios
- Automation & Control: Modicon M340 PAC, SCADA OASyS DNA
- Services: commissioning, maintenance

Customer Benefits

- Operation improvement
- Water loss reduction
- Cost optimization
- Water conservation

The Results: Life is On with...

> 200 facilities monitored and controlled by a distributed SCADA system, with 2 secondary centers, 4 control centers and 1 central station

"This is one of the outstanding achievements of the water sector and a national pride of Jordan for all the people of the four northern governorates" H.E. Dr. Hazim El – Naser, Minister of Water and Irrigation of Jordan Telemetry and **regional SCADA** system for water transmission and distribution networks serving **1.7M** people



Anglian Water, UK Telemetry and Water Loss Management



Customer Challenge

- Maintain position as leading innovator in leakage control and water resource protection
- Detect leaks quicker and improve response times
- Reduce the cost of outsourced leak detection
- Regulatory compliance
- Reduce the cost of ownership

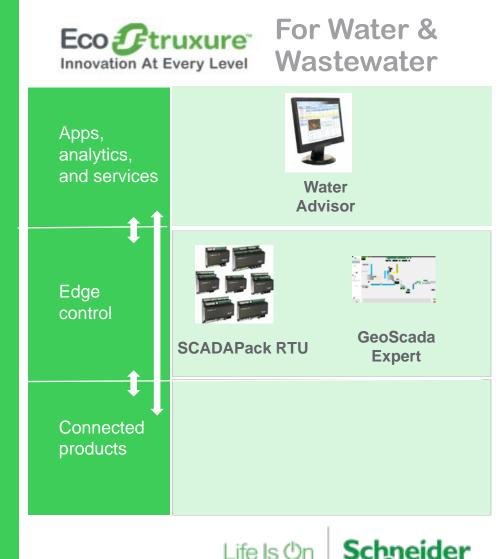
Solution

- EcoStruxure Water Advisor Loss Management (formerly Water Management Suite)
- EcoStruwur GEO Scada Expert
- SCADAPack RTU
- Third Party Offers

Customer Benefits

- Improved decision-making
- Improved water loss management
- More efficient and effective operations
- 500,000 connected telemetry data points

Anglian Water is the largest water and water recycling company by territory in England, serving 4,5 million population in the East of England



Water Control Center of Acciona (CECOA)





Technology platform, capturing and treating data to:
Optimize the management of water treatment plants, wastewater treatment plants and desalination plants
Increase efficiency

Applying disruptive technologies (big data, IoT, machine learning, and artificial intelligence):

 Improve the management of treatment plants around the world

Using AVEVA Insight and AVEVA System Platform to gather, aggregate, monitor and analyze all operational data of all plants of Acciona around the world

Life Is On

