

# Yokogawa's low power solution helps you to see the process flow more clearly

# **Minimize Installation Costs**

Solar batteries and panels dominate the installation cost. Yokogawa's low power solution is best practice for solar battery systems, even thriving under extreme ambient temperatures, from -40°C to 70°C. It's super low power enables solar panel and battery size to be kept to a minimum and it is adequate for a wide range of power to handle unstable power sources. Furthermore, even if the solar power drops out of this range, FCN-RTU can detect it.







**Save Maintenance Costs** 

Basic transmitter settings do not require a

PC but can be done on the transmitters

and the modification of applications on

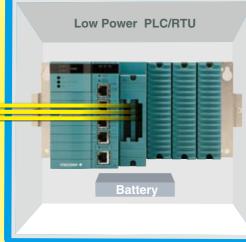
Usability is non-negotiable for

**FCN-RTU** requiring engineering

knowledge can be done from a

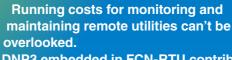
central location without interrupting control.

maintenance at site.



DNP3 embedded in FCN-RTU contributes to the reduction of running costs by sending site information using the least amount of packets over mobile networks. Also the number of site visits required to recalibrate transmitters is reduced thanks to Yokogawa's unique silicon resonant sensor technology which realizes high measurement

# **Reduce Running Costs**



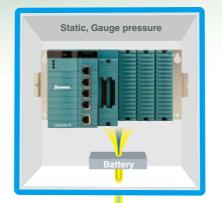
accuracy and long stability.





Supervising and control water flow over the geographically distributed area is important to prevent fluid loss and disaster for fiscal and safety reasons. However remote locations are difficult to monitor due to the lack of social infrastructure such as power or network.

Yokogawa's low power solution offers the best performance for control and monitoring variety of water applications.



One Battery



Flood Monitoring



Irrigation Monitoring



Water Loss Monitoring



Pump Station Control





valve control







**Pressure** 

**Temperature** 

# STARDOM Low Power RTU FCN-RTU





# **Specifications**

Built-in I/O	12 AI (1 to 5 V DC), 2 AO (4 to 20 mA), 16 DI, 8 DO, 2 PI (0 to 10 kHz), 1 AI (0 to 32 V DC) for battery power monitoring
Communication	One Ethernet, Three RS-232 (up to 115.2 kbps for one port), One RS-422/RS-485 (up to 115.2 kbps)
Supply voltage	10 to 30 V DC
Power consumption	1.6 to 2.9 W
Expansion	Up to 3 modules
Reliability	ECC memory and Power fail-safe file system
IT technology	Web server and data logging
Communication	DNP3 and Modbus embedded

# EJA-E Low Power Transmitter with HART 7



# **Specifications**

Output signal	1 to 5 V DC with HART 7
Supply voltage	9 to 28 V DC
Power consumption	27 mW (Current consumption 0.96 mA to 3mA)
Wiring	Three or four
Output load	1 $M\Omega$ or greater
Reference accuracy	± 0.055% of span
Stability	± 0.1% of URL per 7 years
Measurement range	Up to 70 MPa (Direct mount type)









VigilantPlant is Yokogawa's automation concept for safe, reliable, and profitable plant operations. VigilantPlant aims to enable an ongoing state of Operational Excellence where plant personnel are watchful and attentive, well-informed, and ready to take actions that optimize plant and business performance.

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