Empowered workforce

Provide mobility to workers
Take teams efficiency to the next level

**Acquire knowledge & experience**
Train users with eLearning, training simulators or Virtual Reality to minimize risk and improve efficiency

**Be guided in complex operations**
Guide users on complex tasks realization using Augmented Reality

**Provide mobility to workers**
Bring remote and cybersafe decision support solutions to improve workforce productivity

**Share best practices & know-how**
Break silos between your organization by allowing knowledge sharing and collaboration

**Plan best teams to meet demand**
Manage your staff in an efficient way, taking into account their qualifications and constraints

**Optimized training costs**

**Improved operator safety & polyvalence**

**Secure remote access**

**18% increase in worker productivity**

**70% time saving on schedule’s development**
Provide mobility to workers
Bring remote and cybersafe decision support solutions to improve workforce productivity

Provide remote alarm notification
- Increased reliability of alarm notifications, operations efficiency and insight into frequent alarm occurrences.
- Reduce downtime, operating costs and material costs. Improve alarm response time and personnel and public safety.

Digitize the remote workforce
- Empower your remote workforce with reliable mobile solutions
- Achieve greater visibility and make your existing plant data available to your workforce from any location
- Secure access to your process anytime, anywhere, from any device

Allow secure remote access and monitoring
- Ensure reliable and secure connection between remote display units on the work site and computers or smart devices in the office
- Ensure remote access to programming, diagnostics, control and monitoring.
- Speed up machine operation, perform troubleshooting and repair remotely upon request to reduce machine downtime

Watch webinar
Remote Alarm Notification

Ensuring the right alarm gets to the right person at the right time on the right device

The solution

• **Software** delivering machine alarms and critical data via smartphone apps, SMS text messages, phone calls, plant annunciation, and email – reducing production risk, downtime and costs.

Business value

• **Increased reliability** of alarm notifications, operations efficiency and insight into frequent alarm occurrences
• **Reduced downtime**, operating costs and material costs
• **Improved alarm response time** and personnel and public safety

Learn more
Customer Challenges
• To build the "world’s best nutritional plant"
• Traceability of product manufacturing
• Process batching
• Drilling under the Mataura River to run MV supply cables (11kV to 33kV)
• Maintain power supply integrity

Solutions
• Full EcoStruxure solution for automation and power systems, with integrated software
• Delivered by OEM partner with knowledge to meet customer requirements for batching, traceability, and seamless dataflow across the complex manufacturing process
• Strong service support

Customer Benefits
• Ease and flexibility to increase product portfolio & volume to meet growing demand
• Reduced OPEX budgets compared to conventional systems
• Cleaner power
• More cost-effective power
• Connected & integrated facility

The Results: Life Is On with ... 20% faster time to market

Chinese-controlled $240 million plant in New Zealand turns out high-quality dairy products

EcoStruxure® For Food & Beverage

Apps, Analytics, & Services

Edge Control

Connected Products

- Modicon M580 & M340 PLCs
- Altivar ATV 630 & 660
- Accusine harmonic filters
- iMCC
- Switchgear
- Power metering
- TeSys U

AVEVA System Platform*
AVEVA Batch Management*
AVEVA Manufacturing Execution System*

*The Schneider Electric industrial software business and AVEVA have merged to trade as AVEVA Group plc, a UK listed company. The Schneider Electric and Life is On trademarks are owned by Schneider Electric and are being licensed to AVEVA by Schneider Electric.
Customer Challenges

- Ensure critical alarms can be monitored remotely
- Ability to acknowledge alarms from a notification
- Software solution that seamlessly integrates with the existing control software

Solutions

- AVEVA InTouch for the plant monitoring and WIN-911 Interactive for the remote alarm notifications.
- WIN-911 provides alarm notifications over SMS, Email, and Smartphone Apps.

Customer Benefits

- A single alarm notification solution that seamlessly monitors the existing control software.
- The flexibility to notify key stakeholders through SMS text messages, emails and smartphone app alerts.
- Enables the remote workforce to collaborate and interact with the system through alarm acknowledgements, chats, and team visibility

The Results: Life Is On with ... Empowered workforce with remote solution

Learn more at Exchange

Chinese-controlled $240 million plant in New Zealand turns out high-quality dairy products
Mobile Solutions

Digitize the remote workforce

The solution

Reliable and cost-effective mobile solutions to empower a remote workforce. Make your existing plant data available to your workforce in self-service dashboards.

Mobile Access:
• Access to pre-built mobile applications
• View real-time data
• Reliable, safe, and secure
• Compatible with mobile devices

Access Your Existing Plant:
• Leverage data from an existing plant
• Natural secure integration with AVEVA InTouch HMI, AVEVA Historian, AVEVA System Platform, Citect SCADA (Plant SCADA)
• Minutes to set up a secure, one-way connection for data from plant to mobile

Certified Cyber Secure Approach
• Cyber secure architecture
• Proven validation
• One-way data out of the plant

AVEVA™ InTouch Access Anywhere

AVEVA™ Insight
Mobile Application for Analytics

Learn more
Mobile Solutions

Digitize the remote workforce

Business value

• **Achieve greater visibility** of plant floor data (graphics, performance, alarms, trends) from any location.

• **Secure access** to your process anytime, anywhere, from any device:
  - Rapid Return on Investment
  - Fast to set up
  - Minimal impact on plant and existing systems
  - No installed infrastructure
  - Low monthly cost
  - High visibility and return
Customer Challenges
- Improve uptime
- Scalable & expandable solution
- More operational information
- Local support & expertise
- Process control optimization not possible
- Reliance on external resources, skills on obsolete equipment

Solutions
Complete EcoStruxure Plant solution, with integrated software and domain expertise, designed and delivered by highly experienced Master Alliance and Certified Wonderware partner system integrator.

Customer Benefits
- Enabled technology (simplified process optimization)
- Modern, high performance PLC system with high availability in RIO & Hot Standby
- Reduced downtime (site received most improved division award)
- Improved operational information thanks to new software standards
- Expert local support
- In-house first line support

The Results: Life Is On with...
a reliable and flexible automation system that facilitates 20% increase in plant’s throughput

Customer story video
Solution video
Web page
PDF

• Close partnership with Master Alliance Partner, Control Software Solutions, modernizes & digitizes aging sugar mill
EcoStruxure Secure Connect Advisor

Allows operators to remotely access program and monitor machines securely

The solution

Secure connection between remote display units on the work site (via SiteManager Embedded) and computers or smart devices in the office (via LinkManager) over a secure central server (GateManager). Remote access and troubleshooting and repair can also be performed remotely upon request.

Business value

- Efficient and easy to use: remote access to programming, diagnostics, control, and monitoring. Speed up machine operation and reduce machine downtime
- Easy to scale whenever you need
- Works everywhere for everyone
- Reliable and safe: cybersecure (end-to-end) for both OEMs and end-users. Secure access for remote devices over the internet. Compliant with industry level standards for security, including IEC 62443-3-3

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Customer Challenges
• Reduce environmental impact with high-performing sewage treatment
• Control energy costs of the process

The Solution
Building on its strong, established relationship with Schneider Electric, Kuban-Vino selected a full EcoStruxure Machine solution, including the logic and motion performance of the new Modicon M262 controller and TeSys island digital motor control & protection system, together with digital services. The solution was delivered by Alliance Machine Integrator partner Art Technology.

Customer Benefits
• Over 70 control devices and 1500+ monitored parameters
• Automation of sewage water treatment system
• Cybersecure remote access to program & monitor water treatment unit
• Effective energy management system
• Single vendor for complete solution

One of the largest wineries in Russia, with three plants producing 56 million bottles of wine a year

EcoStruxure® For Machinery

Apps, Analytics, & Services
- EcoStruxure Secure Connect Advisor
- EcoStruxure Machine SCADA Expert

Edge Control
- Modicon M262

Connected Products
- Altivar Process
- TeSys island
- Modicon TM3 Bus Coupler

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Customer Challenge
- Master completely the supervision of their machine
- Customer faced limitations with simple HMI solution, as some business was previously lost due to functionalities
- Traceability
- Direct remote access to Modicon M340 (Existing machine)

Solution
- EcoStruxure Secure Connect Advisor: used to provide secure remote access directly to the Modicon M340.
- EcoStruxure Machine SCADA Expert: used as a complete supervision software with traceability features.

Customer Benefits
- Secure access to the machine at a customer site.
- Direct access to the PLC
- Typical configuration, commissioning, calibration and online diagnostic analysis done remotely
- Quality graphs combined with traceability features available

The Results
Life is On with... Complete supervision with secure remote access and traceability
Energy efficiency and better productivity through remote monitoring of pump applications for fish-farming.

Customer Challenge
- Need to optimize pump applications with remote and secure connection to drives in real time, in order to avoid inefficiencies, failures and downtime
- Initially only a traditional solution based on machines that were neither remotely connected, nor predisposed for this
- Employees had to physically go to the site to access drives and pumps data and could not remotely monitor it or provide a digital service to the end customer

Solutions
- Drives from SE can now be monitored at any time, from anywhere remotely with a "cyber-secure" connection, via:
  - Machine Advisor
  - Secure Connect Advisor

Customer Benefits
- Faster and more efficient maintenance and management of the pumps, with real-time notifications (alarms, errors, anomalies)
- Reduced risk of downtime thanks to faster advanced diagnostics and trouble-shooting with remote assistance
- Prepare maintenance actions with accurate diagnostics and reduce unexpected costs
- Real-time control (access to the drives at any time)
- Cybersecure solution
- Expected energy savings

The Results: Life Is On with... Faster and more efficient maintenance
Let’s talk about
EcoStruxure™
for Food & Beverage