

Smart-Idler®

Case study

Company

Vayron Customers

Standalone

Local Server Integration

Solution

Customers precluded from utilising cloud-based servers to process or store operational and condition monitoring data may still utilise the Vayeron Smart-Idler® system, with a local server integration.



Integration

The Vayeron system can integrate into multiple types of vendor Industrial Control System (ICS) and historians using the Kepware KEPServerEX connectivity platform.



Communication

This solution uses OPC and IT communication protocols to communicate with a wide variety of hardware and software devices. Communication between devices is also possible.



Encryption

A modbus or OPC firewall is used with all connections to the customer's industrial network. Where possible, all communication between the local Vayeron server and end devices will be encrypted end-to-end with SSL/TLS.

Challenges

The Industrial Internet of Things (IIoT) sector is growing rapidly however the security protocols of some organisations prohibits integration with cloud-based infrastructure.

To meet this challenge Vayeron has developed a secure local architecture solution.

Results

Customers can continue to realise reductions in unscheduled conveyor breakdowns with Vayeron's secure local Smart-Idler® architecture solution.

Benefits

increased
Security
reduced risk

Secure network with no internet connectivity vastly reduces the risk of security breaches.

both
scalable
+ integrated

No data is stored on infrastructure shared with other companies.

A site-specific solution is both scalable and easily integrated with other customer systems.