

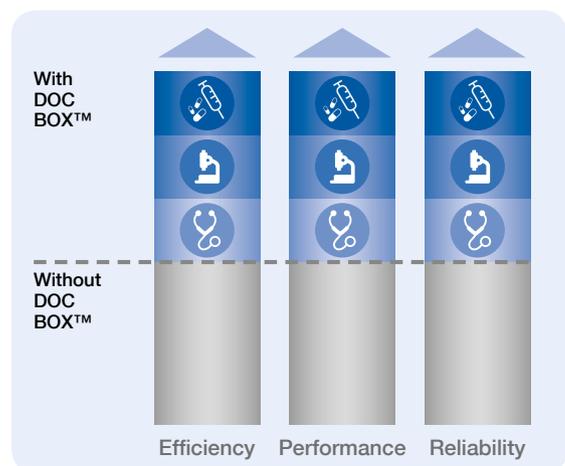


- Troubleshoot pumps that are not instrumented
- Identify root causes for unreliable and inefficient operation
- Reduce downtime and optimize process

The DOC BOX™ by Sulzer

Pumping systems may suffer from various issues throughout their operational lifespan - often these are hidden. High vibration, temperature, pressure pulsations and other factors may affect your equipment - causing it not to run as expected. It may even have undergone several interventions, yet a solution remains elusive. This is a significant challenge as performance issues with any pump can cause a big impact on productivity.

It takes a specific combination of technology, know-how and experience to finally alleviate your pumps from suffering. Call your 'pump doctor' for a precise diagnosis of your critical assets. Our experts address the root cause which is more effective than treating the symptoms.



DOC BOX by Sulzer is a set of services to help you to optimize your pumps' reliability, efficiency and performance

As a true value enabler, DOC BOX is temporarily deployed to problem pumps that are insufficiently instrumented, collecting data whilst in operation, and transforming it into insight. Sulzer engineers will provide expert advice on targeted actions. DOC BOX can be applied to your Sulzer and 3rd party pumps.

- allowing root causes to be systematically identified and eliminated
- reducing operational risk
- minimizing unproductive downtime
- optimizing the asset lifespan

DOC BOX has the potential to deliver significant savings and improve your overall profitability by:

The prescription for a healthier pumping solution - your Sulzer DOC BOX.

The DOC BOX consists of three modules provided by Sulzer experts:



Data acquisition | to evaluate the actual efficiency and reliability

- Fast temporary installation on site
- Real-time data collection
- Secure data handling and remote access



Data analysis | experts identify bad performer and actor pumps

- Systematic data processing and analysis
- Detection of anomalies
- Identification of root causes

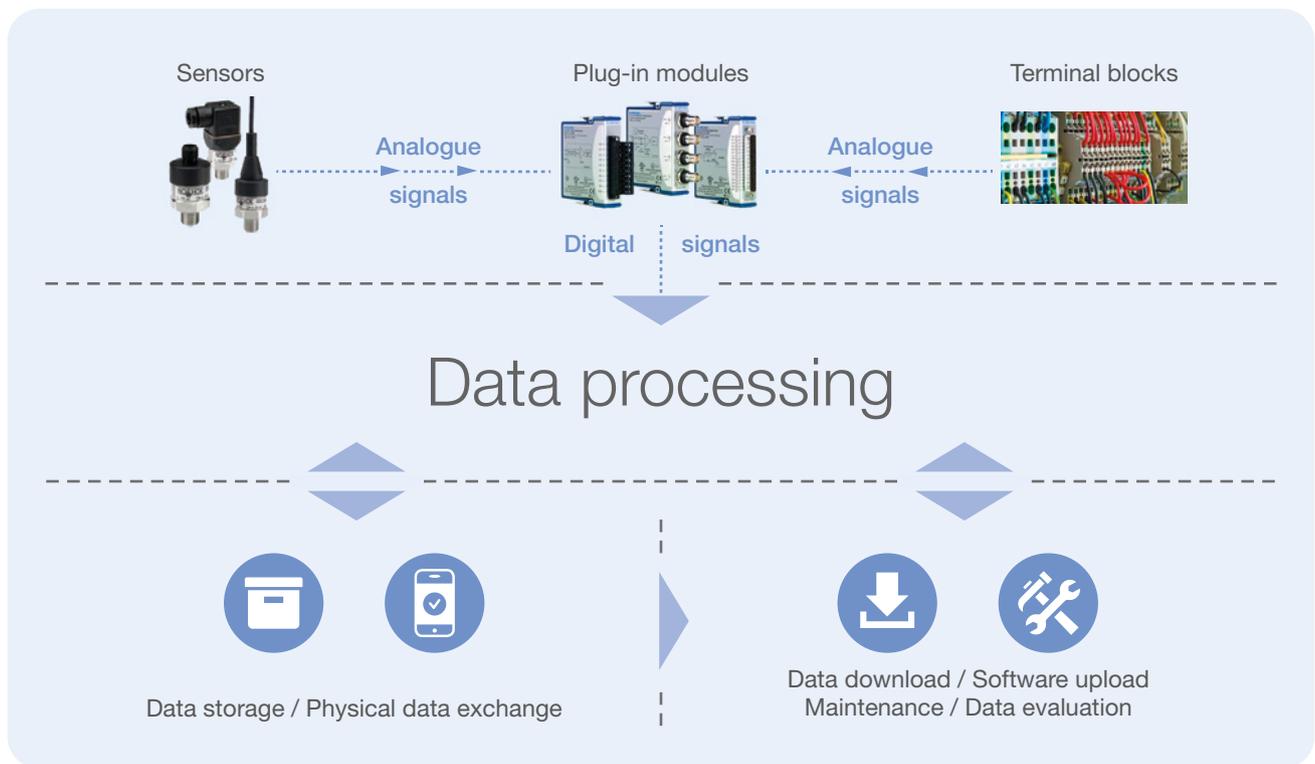


Targeted actions | experts modernize equipment through retrofit

- Standard and cost-effective repair or maintenance
- Customized retrofit with minimal disruption
- Replacement



Diagnosed after DOC BOX installation: The pump is running outside its performance range



Complementary to DOC BOX, a permanent remote monitoring and analytics system with customized dashboards and reports can be beneficial to your operations. Visit www.sulzer.com/bluebox.

For further information please contact our Digital Solutions team
Email: docbox@sulzer.com and find out more at www.sulzer.com/docbox