



**SULZER**



# Sulzer Pumps On Site and Remote Monitoring

Diagnostic and consulting services

**motralec**

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The **Heart**  
of Your  
Process





# Performance Through People

## On Site and Remote Monitoring

Sulzer Pumps is one of the world's leading manufacturers of centrifugal pumps. Renowned for high quality products, services and innovative solutions, we are dedicated to improving your processes and business performance. Our Customer Support Services team will quickly respond to your service needs and is focused on ensuring reliability for all your rotating machinery. Our global network of service centers makes Sulzer Pumps your ideal local service partner.

### Ensure peak performance

Pumps are a major user of energy in many industrial processes. Additionally, they often prove to be the weak link in a process being one of the major reasons for maintenance shutdowns and emergency repairs. It is therefore imperative pump users are assured their equipment is delivering peak performance.

Sulzer Pumps provides monitoring and diagnostic services designed to deliver key benefits to end users:

- Optimized energy consumption
- Pump performance matched to process needs
- Extended or eliminated scheduled service intervals
- Remove 'bad actors'
- Minimize the risk of emergency shutdowns due to pump failures

### Data converted to knowledge

On visiting a customer site, experienced engineering staff will typically review the following parameters

- Flow
- Dynamic head
- Power absorbed
- Efficiency
- NPSH available/required
- Temperatures
- Vibration levels
- Piping interfaces
- Bearing support and lubrication
- Seal arrangement including piping arrangements

Optimize  
energy  
consumption.





These measurements can then be used either as a benchmark to detect future fall off in performance or provide the basis for re-rating the pump and its associated accessories. On going measurement of pump performance provides a map by which the need for maintenance can be predicted rather than relying on averaged recommended time intervals.

Such measurements can be taken by our engineers visiting the site to audit the equipment on a one off basis, by repeated visits on a pre-agreed basis or by remote monitoring. Remote monitoring, although more expensive to set up in the first instance, has the advantage of being continuous and automated. This makes the process more reliable, giving earlier warnings of a fall off in performance or potential failure.

**Minimize  
unplanned  
shutdowns.**

### **Eliminate under performance**

Having a picture of the performance of all pumps within a process is the first step to producing an action plan to improve the worst performing units.

Once formally identified, a problem pump can have its original design reviewed and weaknesses corrected. Often process changes from the original operating condition create problem pumps and the design review also takes this aspect into account.

To learn more about Sulzer Pumps monitoring services please contact your local Sulzer Pumps representative.

**Stay  
in  
control.**





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