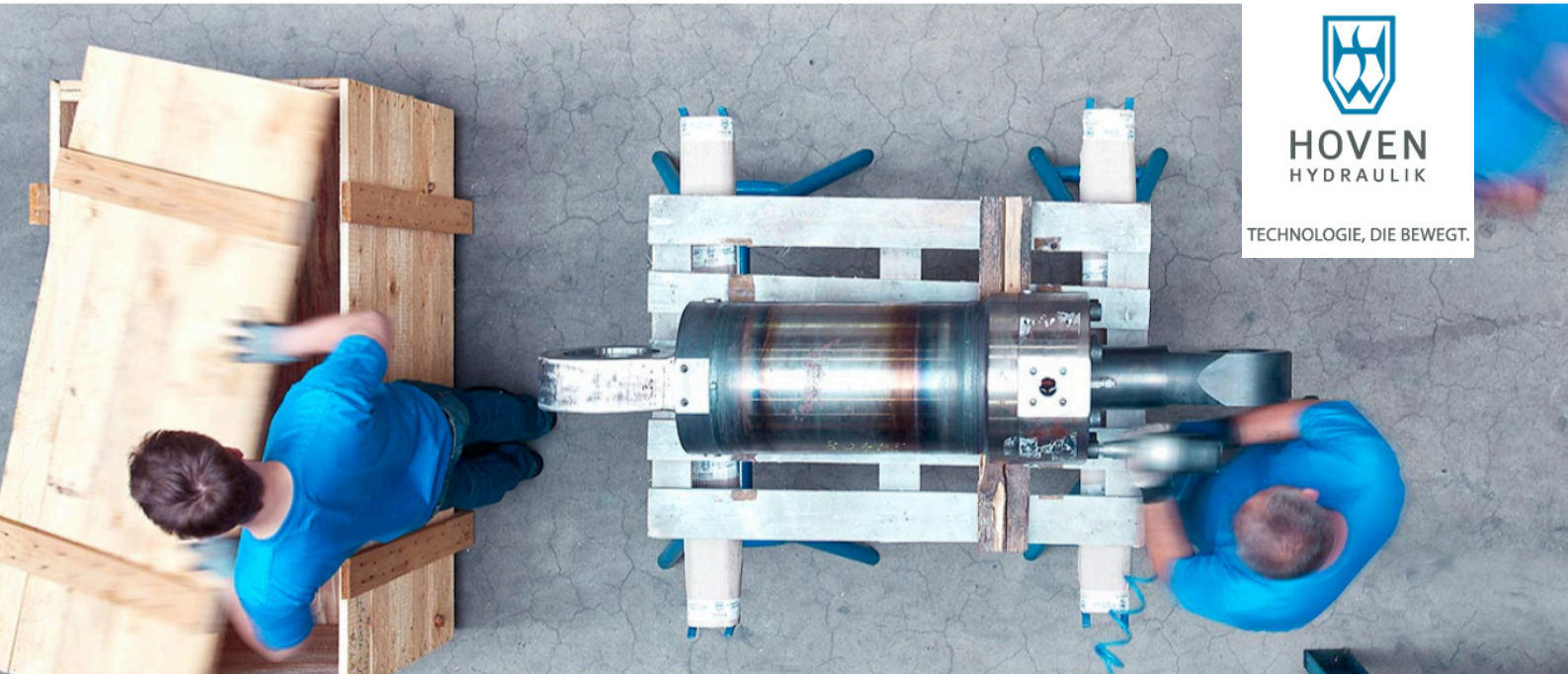


# CASE STUDY



Hoven - Hydraulic Cylinders & Power Units  
S-series installation



**HOVEN**  
HYDRAULIK

TECHNOLOGIE, DIE BEWEGT.

## 01 CUSTOMER BACKGROUND

## 02 CHALLENGE

## 03 SOLUTION

## 04 RESULTS

### 01 CUSTOMER BACKGROUND

Hydraulic cylinders have driven the company's success for years. Their cylinders are used worldwide to press, lift, push, and pull — and when they stop, entire machines stop. Reliability is therefore key to the productivity of complete systems and value chains.

At HOVEN Hydraulik, they take this responsibility seriously. The company specializes in small series and highly reliable custom-made designs, including the construction of power units and the "Recyclindering" concept for overhauling used cylinders and components. An above-average number of engineers ensures their high technical competence.

## 02 CHALLENGE

For their present application, a lubricating oil system they were looking for high reliable, robust flowmeters with direct reading scale and a switch to shut-off the system in case of failure – to avoid dry run.

In future applications they are investigating also additional electrical output (4-20mA) and maybe a flowmeter w/o indication.

They were looking for pure mechanical devices with good readability display and switches for low/high flow alarms and/or shutdown of the system Quite high viscous medium, lubricating oil at 1000 cP

### Summary

- Monitoring high viscosity lubricating oil at 25 – 80°C
- Need high capacity switching functionality
- Future applications may require 4-20m output



## 03 SOLUTION

Eletta sold S2 flow monitors that met Hoven Hydraulics specific needs. Hoven is very satisfied with the S2 series, it equals their philosophy of reliability.

Furthermore Hoven was impressed by the easy maintenance, the possibility of changing flowrates by just exchanging the orifice plate and the flow switch setting as well as the modularized system on which they can easily modify existing meters to new capabilities (e.g. 4-20ma). Future applications may require a 4-20mA output and a digital reading so we also quoted D5.



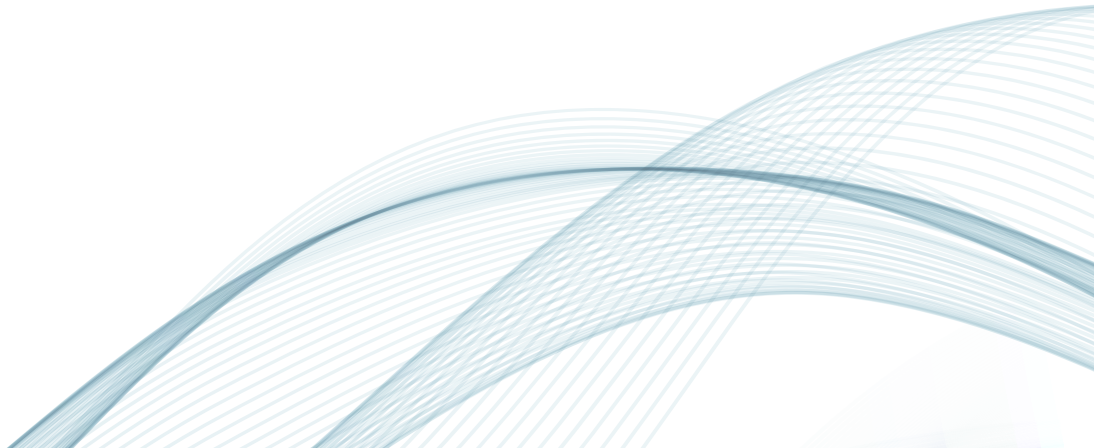
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## 04 RESULTS

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With the S2 flowmeter Hoven has the perfect match in all aspects for their application, robustness, reliability high capacity switching and modularity. Presently we also suggested direct reading scales for this application – which Hoven appreciated.

Hoven has quoted several power units to their customers – Eletta's flowmeters are fixed in their design. Sales will continue depending on their sales.



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