

HYDRAULIC LIFT

LIVE MONITORING

PROBLEM

Many building owners and facilities management companies have no visibility of the condition or performance of their hydraulic lifts because the systems are not being actively monitored. Existing solutions focus on lift controllers, leaving critical components such as the hydraulic unit and oil tank without any real-time oversight.

Without access to live operational data, identifying developing faults or performance issues is virtually impossible. This leads to reactive maintenance, unnecessary downtime, and higher service costs, while reducing confidence in the reliability and availability of hydraulic lift installations.

CHALLENGE

The challenge was to develop a secure monitoring system capable of collecting real-time pressure and temperature data directly from hydraulic lift equipment, providing continuous visibility of the hydraulic tank and its operating conditions.

As the solution would connect to critical lift infrastructure, it also had to incorporate robust cyber security measures to protect against unauthorised access, safeguard operational data, and ensure monitoring could be carried out without compromising the safe and reliable operation of the lift.



	LAST DATA RECEIVED:	14/06/2026 13:52:00 BST
Room Temperature	30.3 °C	
Room Humidity	68% RH	
Hydraulic Temperature	30.3 °C	min 30.3 °C max 30.4 °C
Hydraulic Pressure	12.0 bar	min 12.0 bar max 24.4 bar
Alarms	Low Pressure	

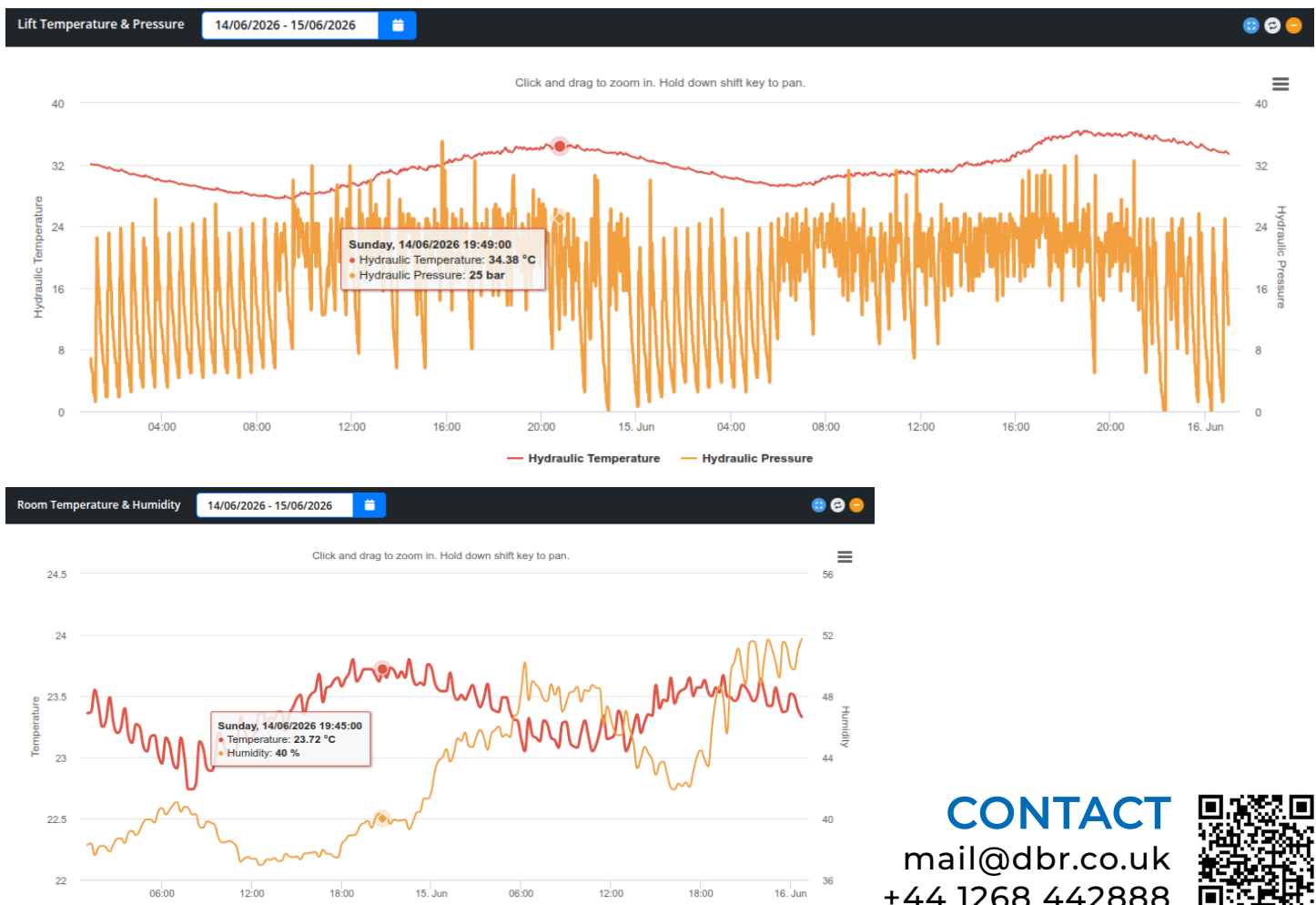
SOLUTION

Pressure and temperature sensors were installed on the hydraulic tank and valve assembly to continuously monitor critical operating conditions. The data is captured in real time and securely transmitted to our cloud-based platform for processing and analysis.

Users can access live readings, historical trends, and alarm status from any web-enabled device through a secure, password-protected interface. Data is transferred via a tightly controlled, one-way communication channel, preventing any unauthorised access back to the monitored lift system while maintaining the highest standards of cyber security.

BENEFITS

- Enables pre-emptive maintenance by identifying hydraulic issues before they lead to lift failure.
- Reduces unplanned call-outs and reactive maintenance costs.
- Improves lift reliability and availability by providing continuous visibility of hydraulic system performance.
- Minimises business disruption and downtime through early fault detection and data-driven maintenance planning.



CONTACT
mail@dbr.co.uk
+44 1268 442888

