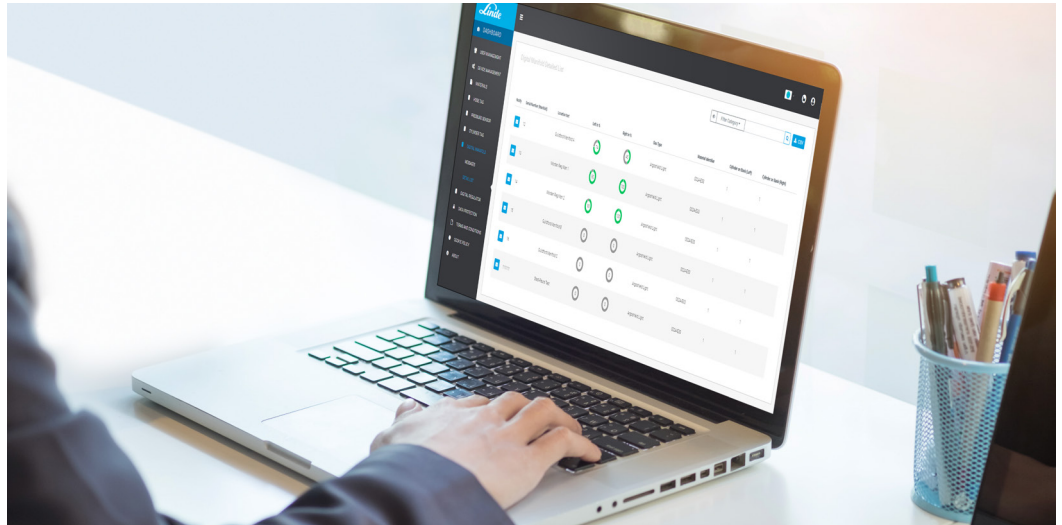




# DIGIGAS<sup>®</sup>

## Smart gas management system

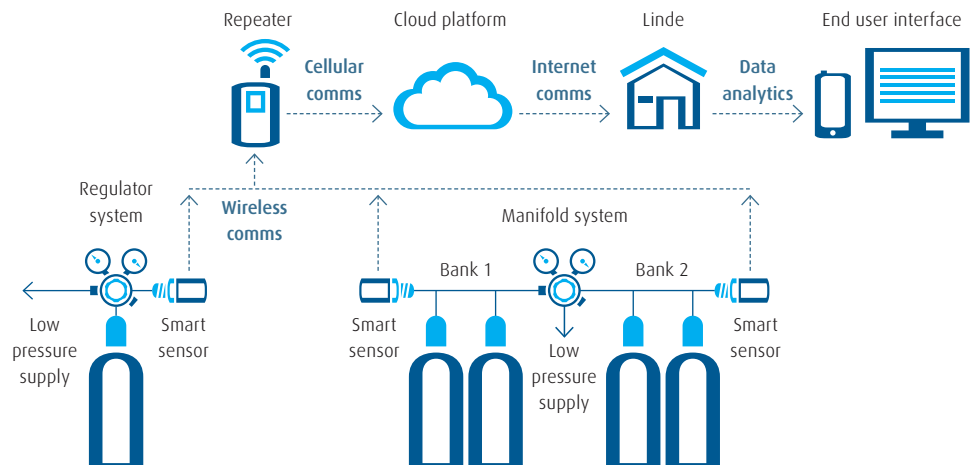


**Challenge** Tracking gas consumption and replenishing stocks can be a time-consuming activity. However, it is an essential task for applications that rely on gas supplies, and especially for process-critical applications that rely on an uninterrupted supply of gas. This applies for example to industrial or analytical applications where unplanned downtime could be extremely costly. For many companies, it is typically a hands-on, labor-intensive and costly activity, with operators regularly having to manually monitor their contents of the cylinders.

**Solution** DIGIGAS, can be used with manifolds and regulators. It has been designed specifically to simplify gas management. This cost-effective solution digitalises cylinders by simply connecting them to the smart contents platform. It is a fast, zero hassle plug-in solution that can be attached to new installations or easily retrofitted to existing manifolds, regulators or smart sensor adapters in a matter of minutes. With this smart gas solution, customers can monitor/manage their gas holdings remotely. This intelligent manifold or regulator is ideal for all institutions/companies, especially ones with remote locations which may be unmanned, large inventories that require regular checking or process-critical applications where continuity of supply is a must.

**How DIGIGAS works** For manifolds, smart sensors on each cylinder bank determine how much gas is available on each manifold and send a wireless signal to the Linde cloud via a locally positioned repeater device. Linde's intelligent analytics tools turn this raw data into actionable insights that customers can easily access via their cloud-enabled dashboard. In addition, customers can set up numerous users whom can enable email and SMS notifications when gas levels fall below a certain threshold so they can be sure that they never run out of gas. These thresholds can be set individually. The same applies for regulators although only one sensor is required and depending on the regulator, a smart sensor adapter.

Schematic of entire DIGIGAS system



### Key features

- Low cost, plug-in solution for fast, easy digitalisation of gas cylinders – installed in a matter of minutes with no wiring required
- Push notifications with gas type, number of cylinders and SAP material code for easy reordering
- Instant insights into gas content levels via intuitive dashboard
- Individual definition of notification and alert thresholds and windows
- Intuitive and customisable dashboard also offering instant insights into:
  - Live contents of each manifold bank or regulator
  - Serial number and location description of each manifold or regulator
  - Gas type, number of cylinders and SAP material code (for reordering)

### Benefits

- Instant access to gas content levels through transparent, cloud-enabled dashboard
- Cost/time savings with hands-off remote monitoring/management of cylinder holdings
- Continuity of supply for process-critical applications thanks to customisable email or SMS notifications once gas levels fall below a set level
- Simple to install – the smart sensor can be easily retrofitted to existing or new manifolds, regulators or smart sensor adapters that fit between the cylinder and the regulator
- Easy to deploy – Linde experts can help set up and configure the service
- Easy to maintain – smart sensors with long-lasting battery only need to be replaced as part of the planned manifold or regulator maintenance schedule. Battery life in excess of 5 years

### Specifications

No need to download an app – the analytics data is accessed via a weblink.  
Approved for all Linde owned or customer-owned manifolds or regulators.



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