







Optimized maintenance through data analysis

By continuously monitoring the device state, it is possible to plan the maintenance deployments much more efficiently, e.g. grouping maintenance tasks. State-dependent maintenance also eliminates unnecessary servicing. The fault causes are known before an on-site service deployment needs to be carried out.



Evidence of compliance with standards and requirements

The states of the devices before and after interventions are documented thereby making it easier to prove or document compliance with standards or requirements.



High availability

With the Monitoring Box from SICK, you can take timely action before a device failure occurs. This significantly increases the availability of the devices in the tunnel.



Predictive maintenance

Changes in the tunnel devices during a particular time period can be monitored and informative prognoses made. By processing and analyzing historical data, it is possible to predict the device state and the required maintenance tasks.



Efficient use of resources

Different maintenance tasks can be grouped depending on the status. You know which servicing tasks are required for which devices before you get to the device in the tunnel.

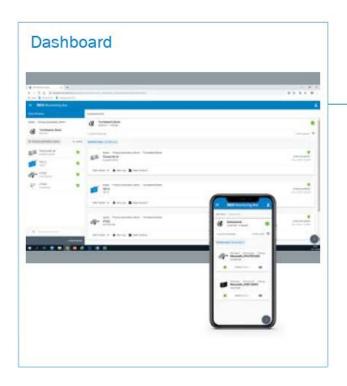


Increase in performance

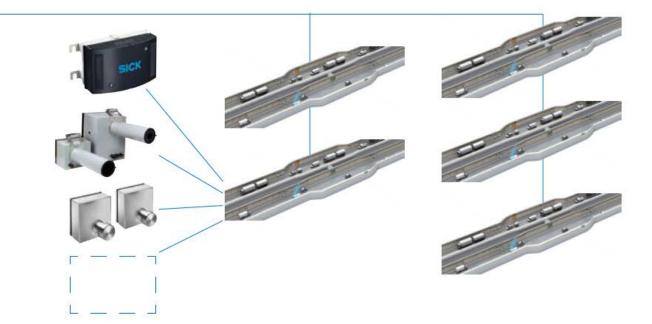
You always operate your devices in the optimal performance range.

Overview





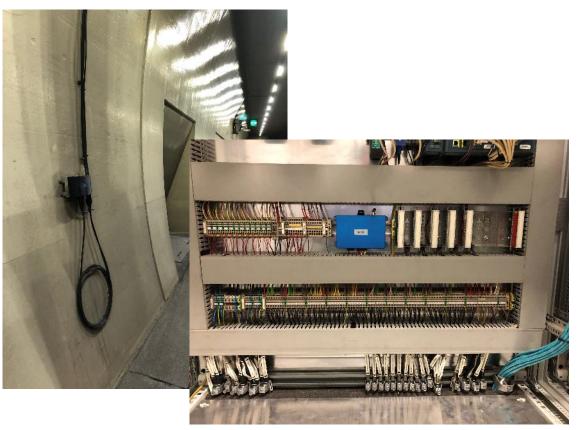
Gain an overview of all tunnels and tunnel sections within one dashboard



Tunnel in Austria



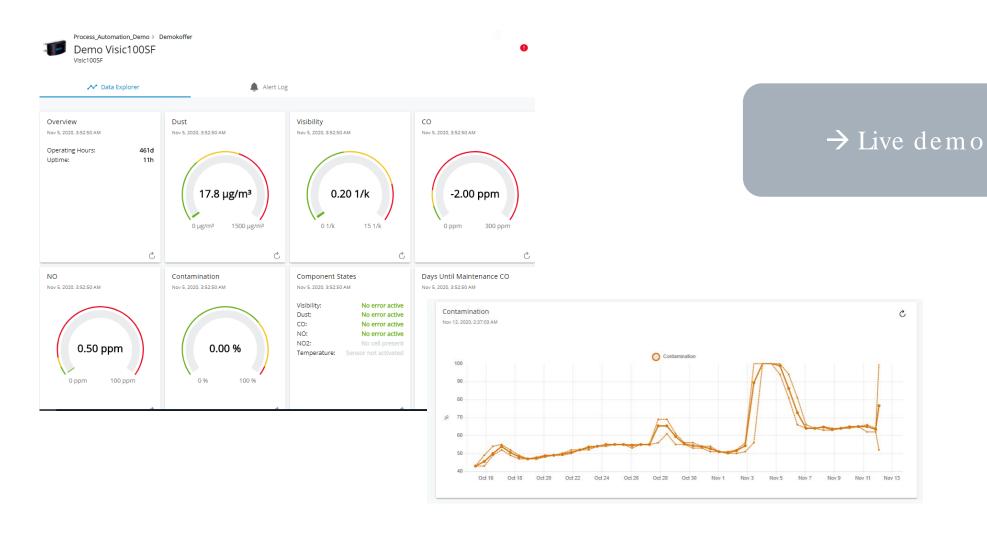
Successful pilot installation with live data!



- Monitoring Gateway collecting data from the VISIC100SF
- > Data is sent to the cloud located in Germany
- > Data will be interpreted and visualized in a web based dashboard
- Dashboard is accessible from all end user devices that are connected to the internet (PC, Smartphone, Tablet)

SICK Sensor Intelligence.

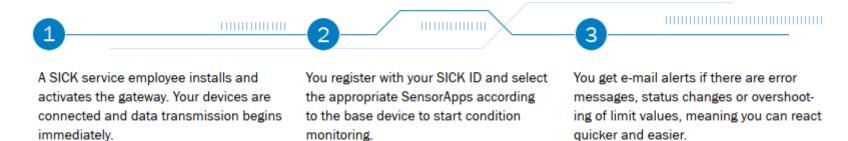
The Dashboard





Customer journey

JUST A FEW STEPS TO A DIGITAL OVERVIEW





Thank you for your attention