

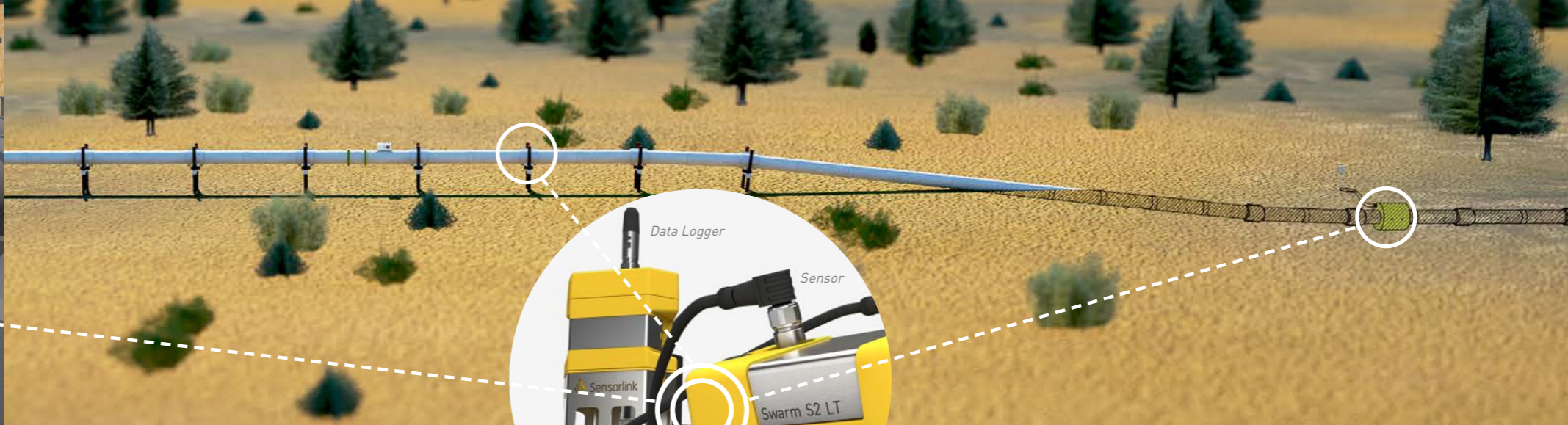
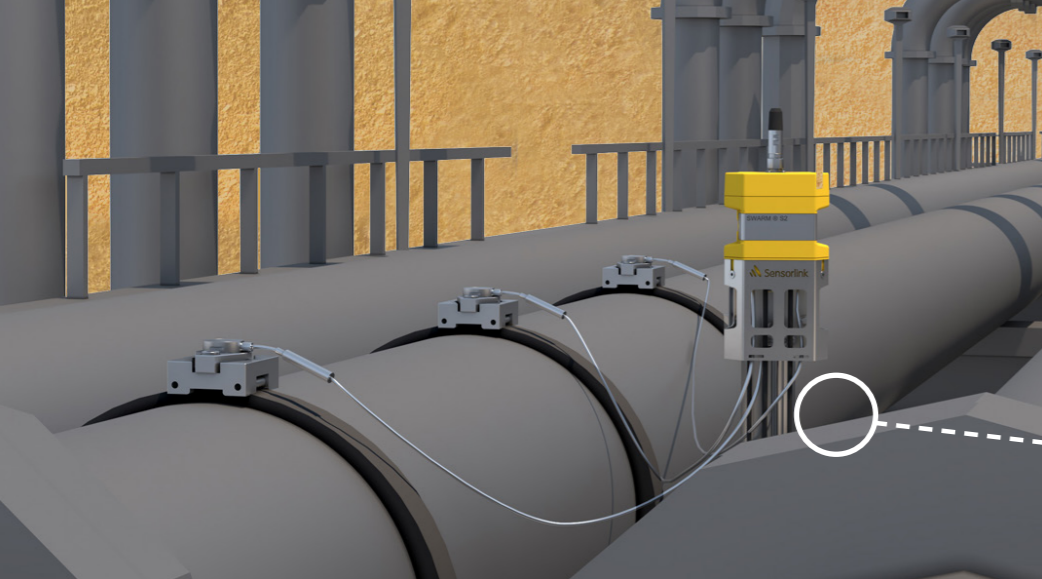
# PipeMonit® Swarm S2

Improve your decisions with high resolution ultrasonic erosion and corrosion monitoring.

**We provide the industry's most accurate wall thickness measurements.**

Choose the wireless PipeMonit® Swarm S2 for better, safer and more proactive decisions in your pipeline management. With a temperature range up to 550°C and wireless communication through ISA 100, PipeMonit® Swarm S2 is the corrosion engineer's favorite tool.

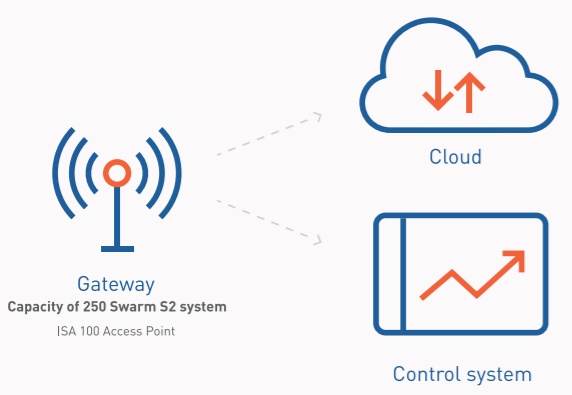
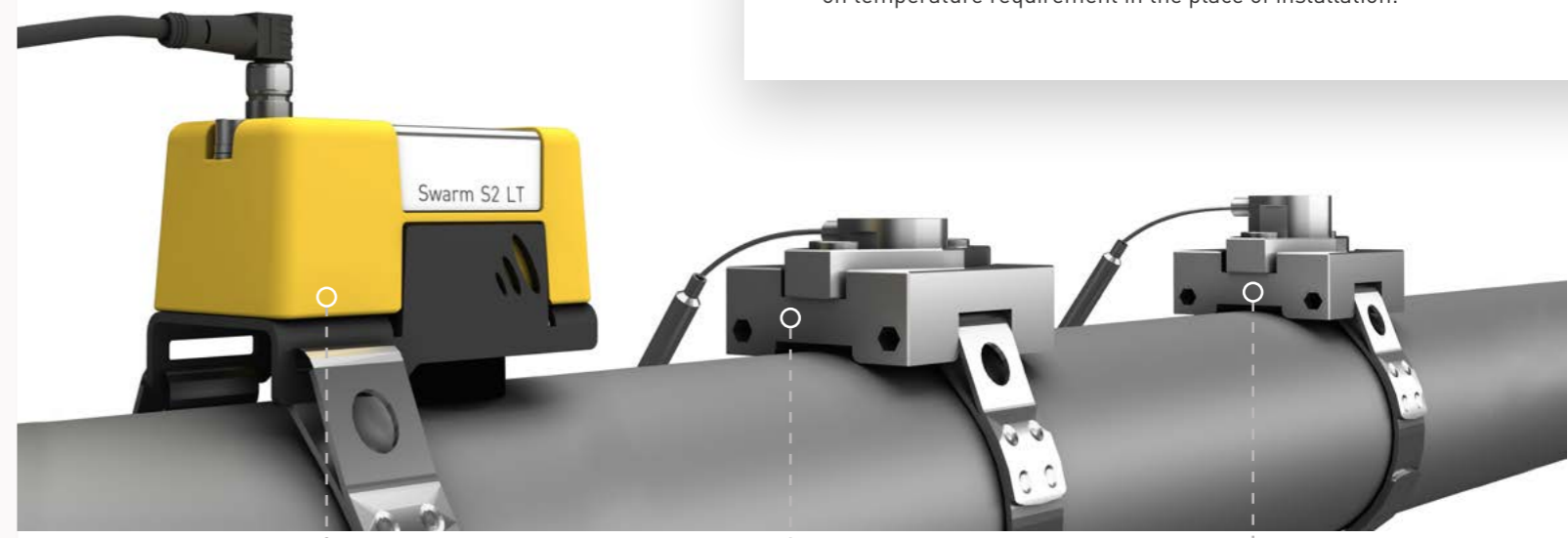
- Non-intrusive.
- Highly accurate wall thickness measurements.
- Accurate wall loss history.
- Fast, simple and maintenance free installation.
- Efficient wireless data collection.



**A PipeMonit® Swarm S2 system** typically consist of a Swarm® S2 datalogger/transmitter unit and 1-4 Swarm® S2 sensors. The Swarm® S2 datalogger/transmitter unit is available in two versions, one with ISA 100 + Bluetooth and one with only Bluetooth.

## Sensor Types

There are three different Swarm® S2 sensors pending on temperature requirement in the place of installation:

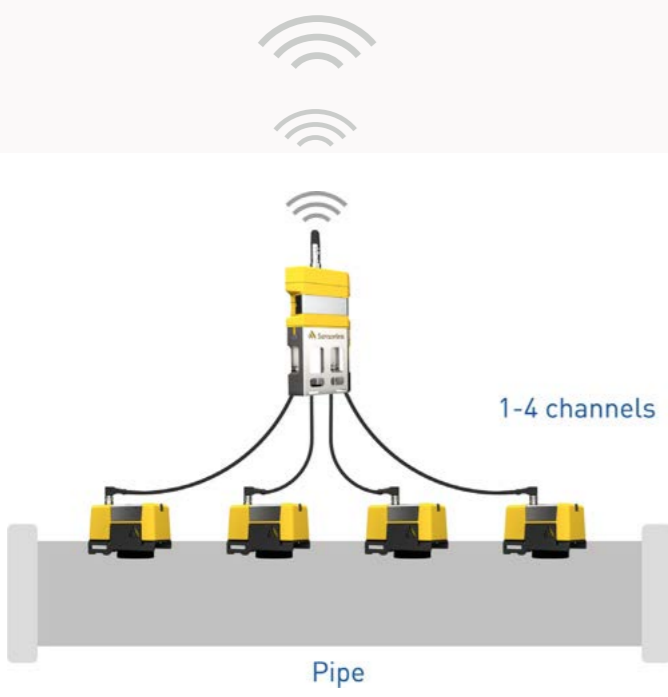


**Wireless communication** through ISA 100 will give easy access to data from the system. A prerequisite for ISA 100 communication from the PipeMonit® Swarm S2 system is that the location has ISA 100 infrastructure with access points.

Our open approach to data collection and data transfer make utilization of data for IoT and Big Data purposes easy.

## Data Collection

There are two ways of gathering data from the PipeMonit® Swarm S2 system: ISA 100 wireless communication directly to the client CCS/DCS or Bluetooth to a PDL(Portable Data Logger). Data from the PDL is easily transferred to the client CCS/DCS through cable or Bluetooth.



**Swarm S2 LT (Low Temperature)**  
- for temperatures up to 150°C



**Swarm S2 HT (High Temperature)**  
- for temperatures up to 350°C



**Swarm S2 UHT (Ultra High Temperature)**  
- for temperatures up to 550°C



# Sensorlink.no/topside

## Some key advantages of the Swarm® S2 monitoring tool:

- Stand alone system or online and wireless option is available.
- Accurate erosion/corrosion feedback increases the service life of pipelines.
- Real-time feedback on the effectiveness of corrosion inhibitors makes a significant OPEX saving.
- Accurate wall loss history enables reduced inspection and intelligent pigging activity.
- Accurate and direct sand erosion monitoring.
- Monitoring of selective weld corrosion and heat-affected zone (HAZ) corrosion.
- Fast and maintenance free installation.
- Being retrofittable, the Swarm® can be relocated without expert support.
- Approved for EX Zone 1 operation.



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