

### Overview

SITRANS store IQ is a Siemens MindSphere based application used to monitor and manage inventories in process and discrete industries.

### Benefits

- Manage entire inventory network from a central location.
- Reduce overhead required to monitor and plan stock levels.
- Avoid unnecessary downtime and cost associated with unexpected shortages.
- Increase transparency of measurement reliability.

### Application

Inventory management is a necessary task in virtually every value chain. Inventories are required whenever material is processed, produced, or assembled. SITRANS store IQ is an inventory management app based on Siemens MindSphere, that records measurements and data from various types of instrumentation, including a level device at a process tank or scales mounted in storage shelves. SITRANS store IQ also monitors auxiliary measurements, helping to better characterize inventories, for example, with temperature readings or binaries.

SITRANS store IQ records readings and visualizes them in a customizable way, offering structuring with hierarchies, map views, and graph views. The acquired data can be used to create proactive alarms via email or SMS, exactly as required for your application. The SITRANS store IQ app can be used on a desktop computer or mobile device.

### Design

- A reliable and accurate record of inventory data from anywhere.
- A flexible structure for configuring an inventory network of any size.
- Provides a visualization of an inventory mix, with material breakdown.
- KPI thresholds to easily assess inventory levels.
- Custom alarms for proactive notifications.
- Based on MindSphere and MindSphere connectivity solutions.
- Open to virtually every measurement technology.
- Ability to monitor any process values, including humidity, temperature, digital inputs.

### **The following standard SITRANS store IQ packages are available:**

SITRANS store IQ is distributed via the MindSphere Digital Exchange: <https://www.dex.siemens.com>

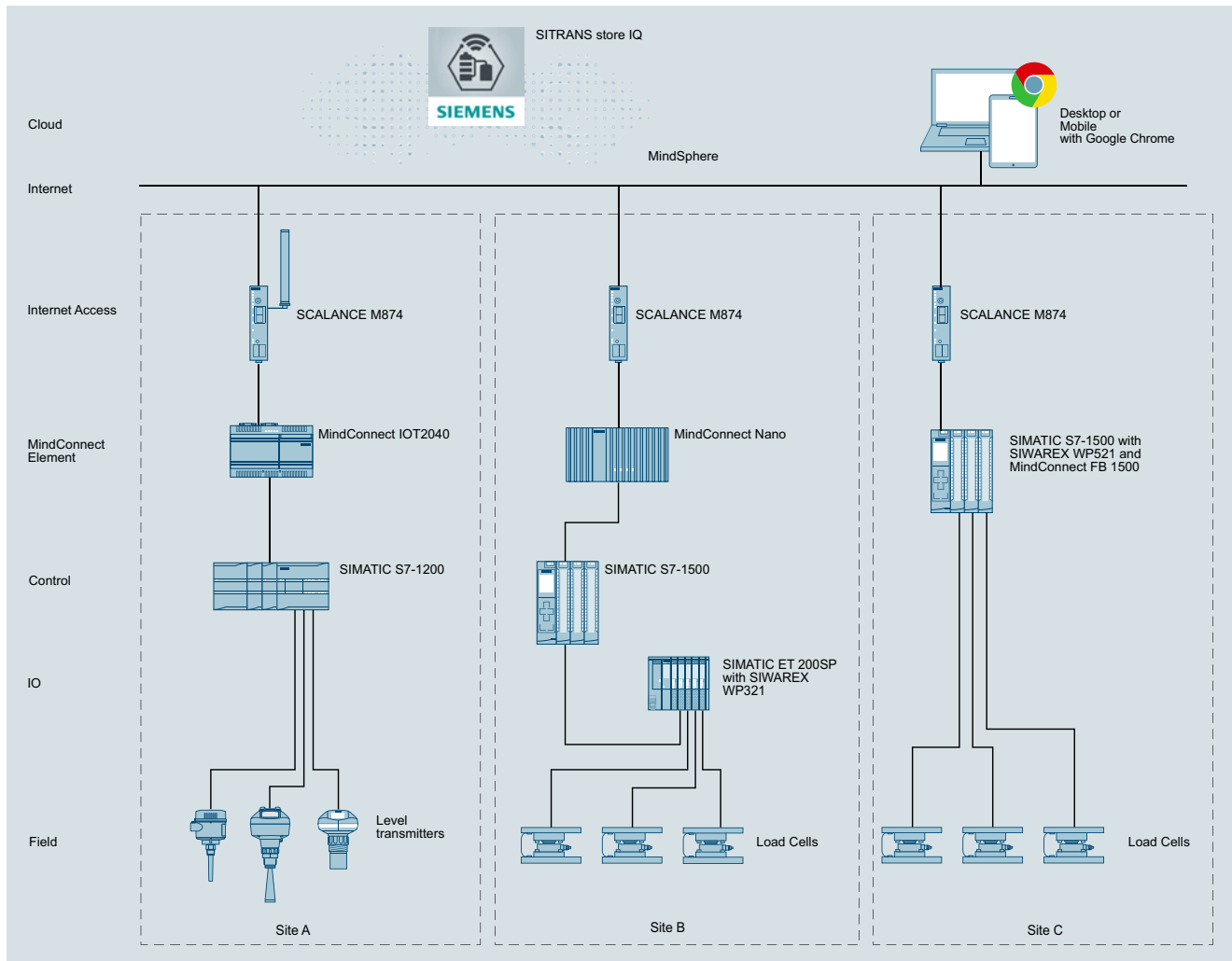
Software packages	Entry	Small	Medium
<b>MindSphere base tenant includes:</b>	✓	✓	✓
MindSphere users	2	2	5
Agents	1	2	10
Data ingest rate	0.01 kB/s	0.05 kB/s	0.1 kB/s
Data storage	0.5 GB	0.5 GB	5 GB
<b>SITRANS store IQ application includes:</b>			
Monitored assets	3	10	100
<b>License type</b>	Subscription with 12-month initial subscription term. The 12 month subscription will renew automatically if not cancelled 60 days before the end of the first subscription term.		
<b>License upgrade options</b>			
<b>Asset upgrade</b>			
Additional monitored assets	10		
Additional data ingest rate	0.1 kB/s		
Additional data storage	0.5 GB		

# Digitalization and Communication

## Apps for Process Instrumentation

### SITRANS store IQ

#### Integration



SITRANS store IQ is based on MindSphere and supports various possibilities to onboard instrumentation devices and acquire data. The figure shows several integration examples.