

### **Problem** → solution

#### Customer Problem

- Lack of visibility on water usage in process/utility at a plant level
- Manual data collection
- Old data management system
- Need to meet water saving and sustainability goals
- Increasing cost of water and strict discharge limits
- Water scarcity

#### Nalco Solution

- Automated data collection
- Real-time visibility to enterprise, plant & asset operations
- Expert service and alarms on flow anomalies
- Leverage NW water managing expertise to identify water savings opportunities
- KPIs on program execution to drive accountability & improvement
- Reduction of TCO

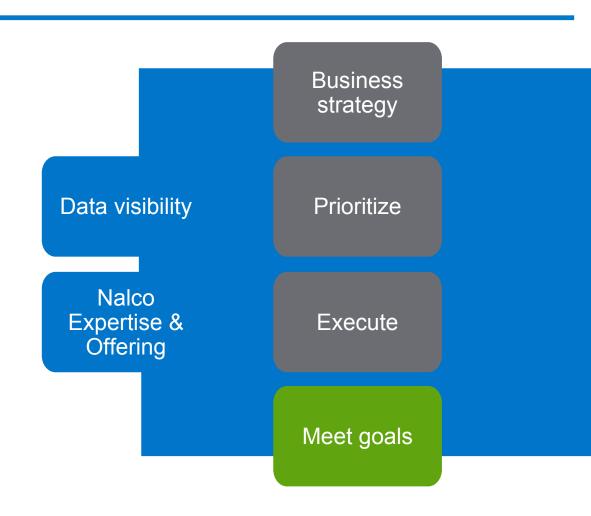


### Value proposition

 Data visibility to prioritize water reduction initiatives, focusing on the big consumers

 Executing tasks thanks to Nalco expertise and the product portfolio

 Track results and performance with dashboards and data analytics



### Water Flow Intelligence

Powered by **ECOLAB3D**™

Sensor network
wirelessly
connected to critical
plant processes





Water usage data

stored **securely** in

the cloud

Actionable, data-driven intelligence accessible anytime, anywhere

**Benchmark** performance across plants and assets

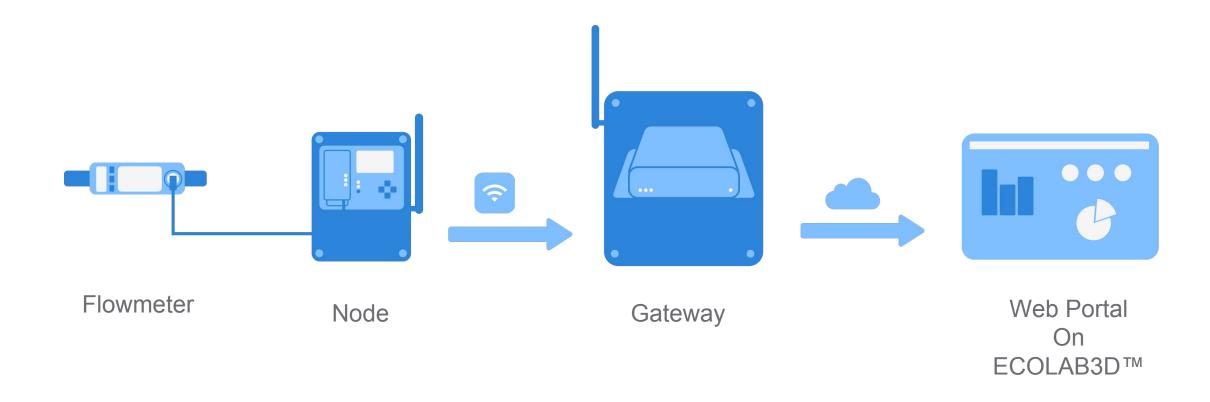
Proactive alerts and alarms

Regular follow-up and reporting— enterprise rollups and drilldowns, and service to support water savings opportunities



## Equipment

### key components



# Water Flow Intelligence

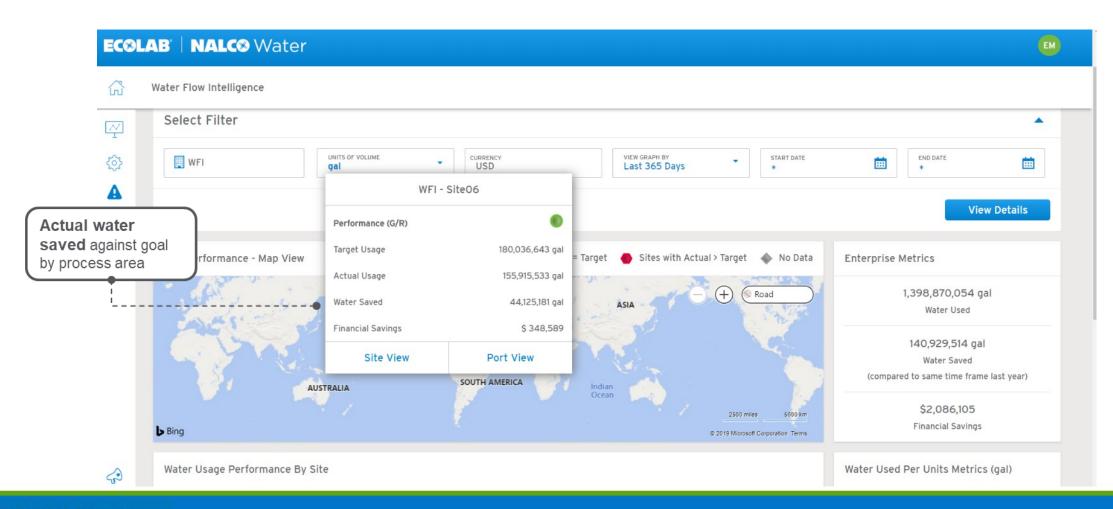
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## **WEB** portal





## **Enterprise view**





### **KPI** and performance

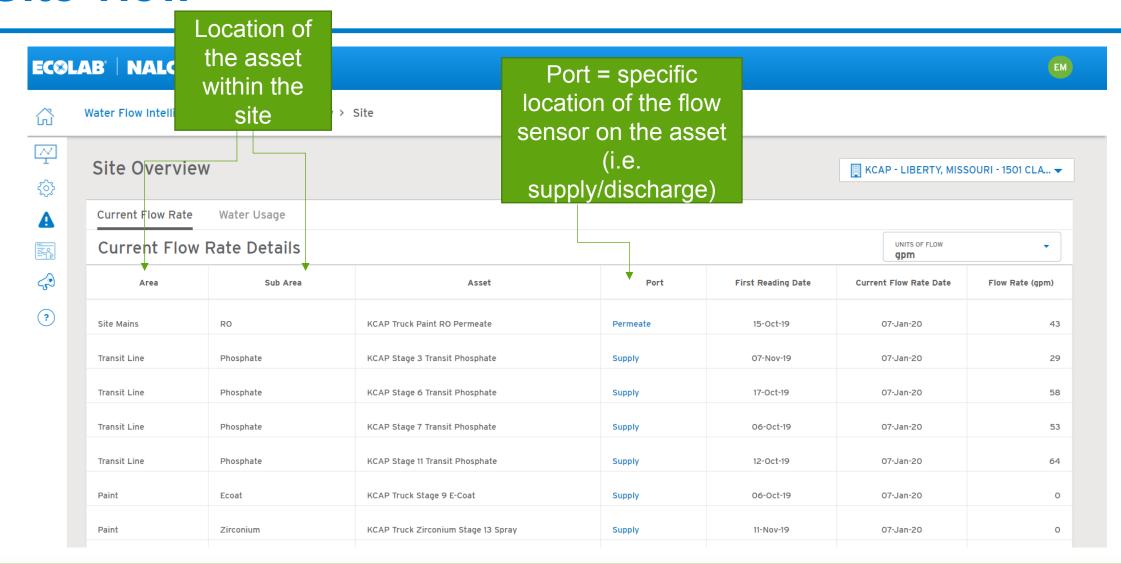
#### Production per units



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### Site view



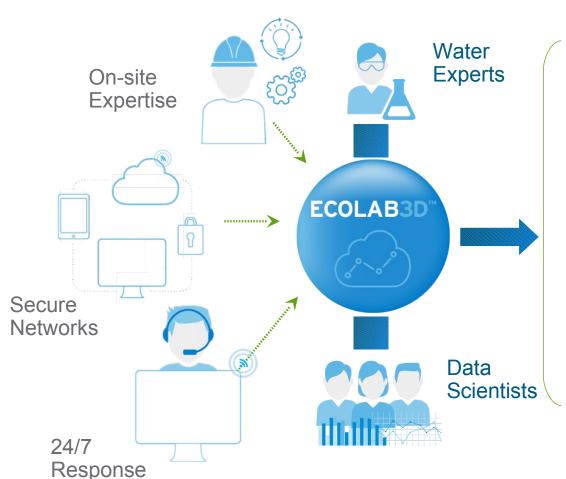


### **Port view**





### How water flow intelligence is different









Visibility to real-time water usage at enterprise & plan

Benchmark progress made toward sustainability goals

Expertise to identify & execute water savings projects



