TranscodX™: A New Generation of Full Stack Environmental Data Acquisition System

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# The Problem(s) with Dataloggers

## DEPLOYMENT
- Cost
- Learning Curve
- Deployment Time

## DATA QUALITY
- Quality Control
- Quality Assurance
- Field Network Diagnosis

## DATA MNGMT
- Data Management
- Controlled Vocabularies
- Data Search Discovery

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**DATA STEWARDSHIP**
SENSAQ’s Full Stack Solution

The Transcoder

The Software Platform

Tools and Services

TranscodX™

DMAP
(Data Management & Analysis Platform)
TranscodX™: A three-step deployment process

1. Connect
2. Configure
3. Deploy
Connect: TranscodX™ and Sensors

**SERIAL**
- USB 2.0
- I2C
- SPI
- 1-Wire
- ModBus

**WIRELESS**
- WiFi 802.11b/g/n
- Bluetooth 4.0 LE
- Zigbee

**SENSORS**
- DS18B20
- HydraProbe II
Configure: TCAST
Deploy: TranscodX™ Slave and Master
Data and Network Performance Analytics
The Software Ecosystem

TCAST
(Transcoder Configuration & Auto-programming Software Tool)

DMAP
(Data Management & Analysis Platform)

Advanced Data Analytics and Network Diagnosis

Data Search/Data Discovery

API-based Field Data and Metadata Submission
## Products and Features Comparison

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