



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*

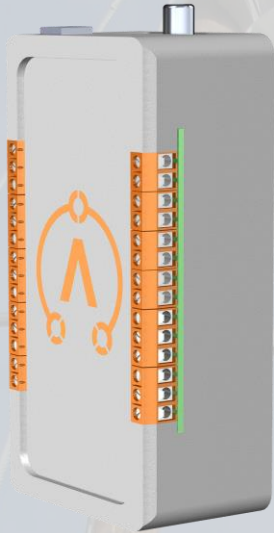
DATA MNGMT

- *Data Management*
- *Controlled Vocabularies*
- *Data Search Discovery*

DATA STEWARDSHIP

SENSAQ's Full Stack Solution

The Transcoder



TranscodX™

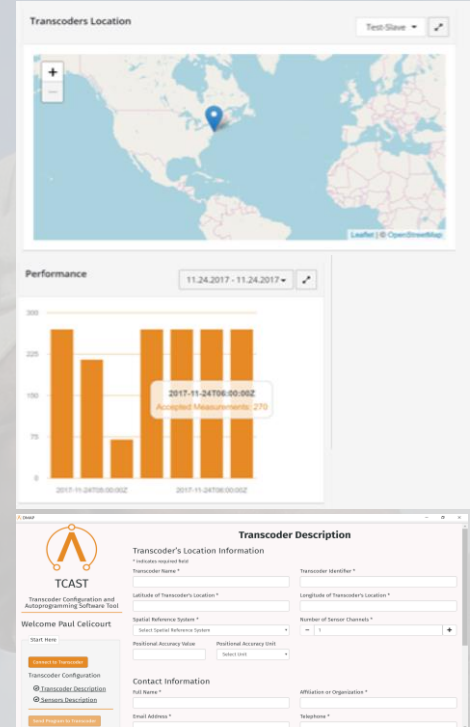
The Software Platform



DMAP

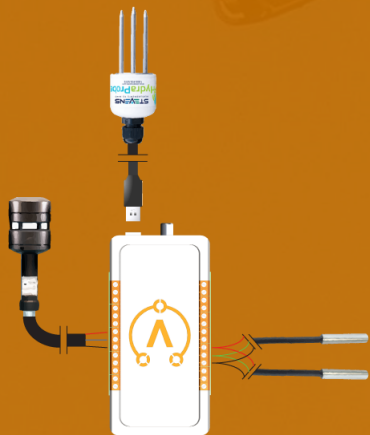
(Data Management & Analysis Platform)

Tools and Services

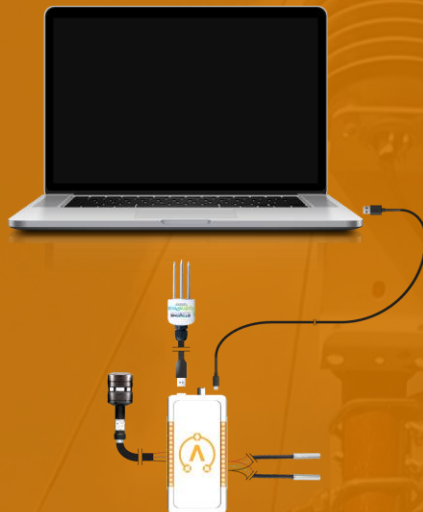


TranscodX™: A three-step deployment process

Connect



Configure



Deploy



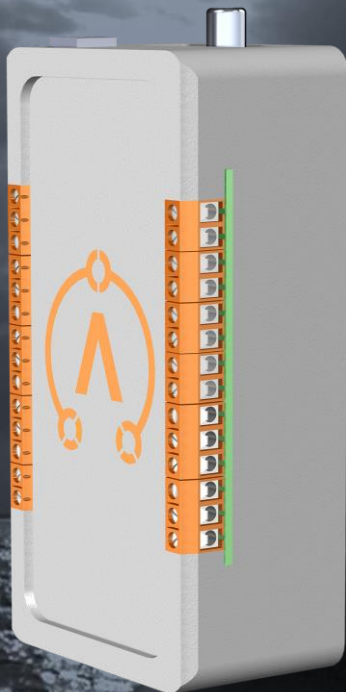
Connect: TranscodX™ and Sensors

SERIAL

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

WIRELESS

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



SENSORS

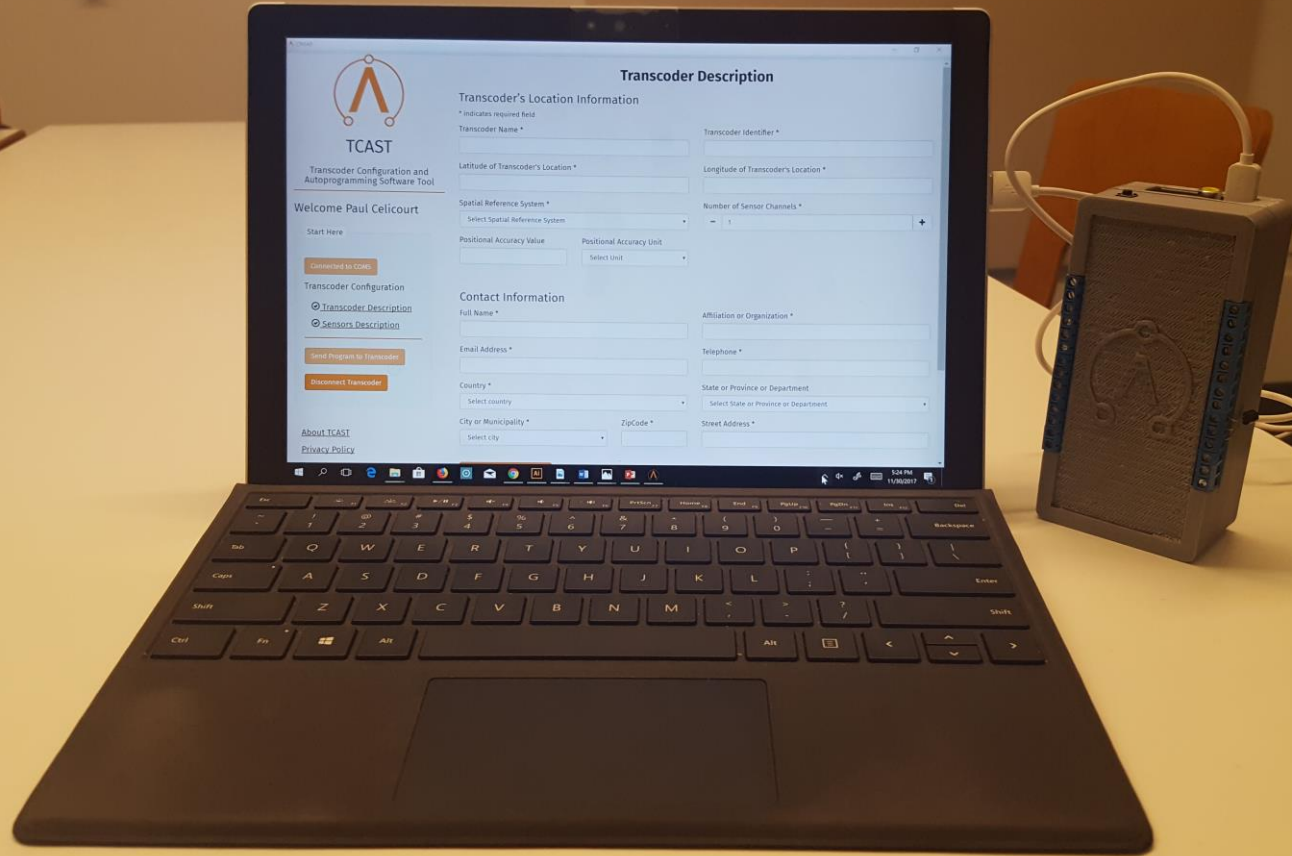
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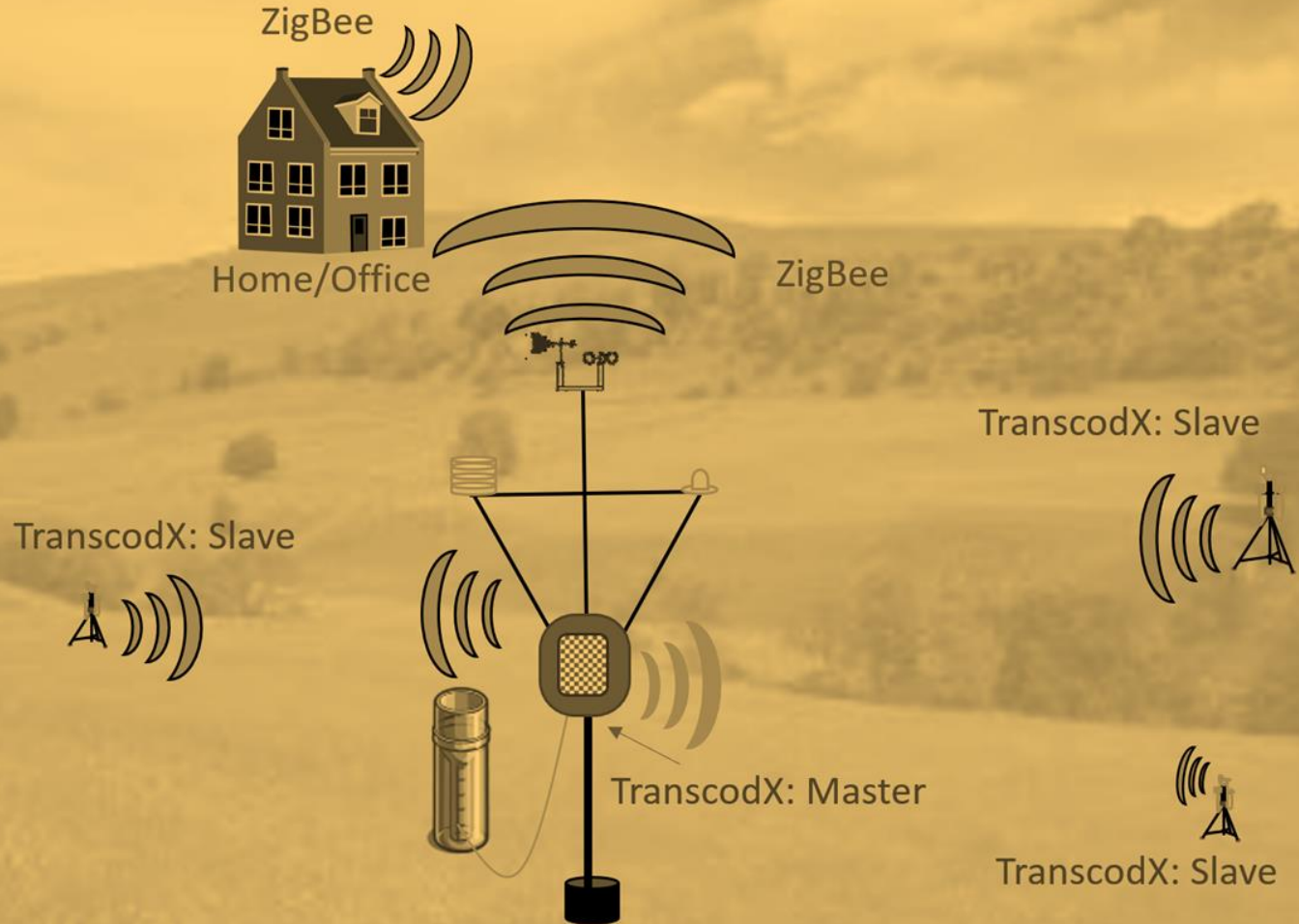
HydraProbe II



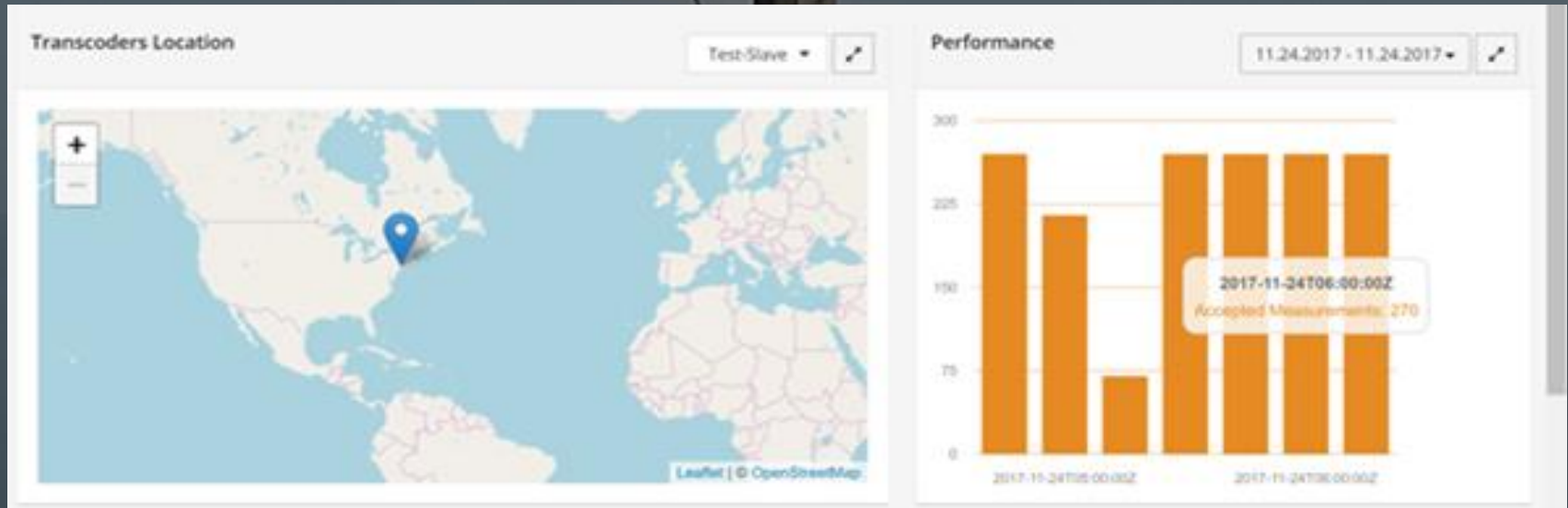
Configure: TCAST



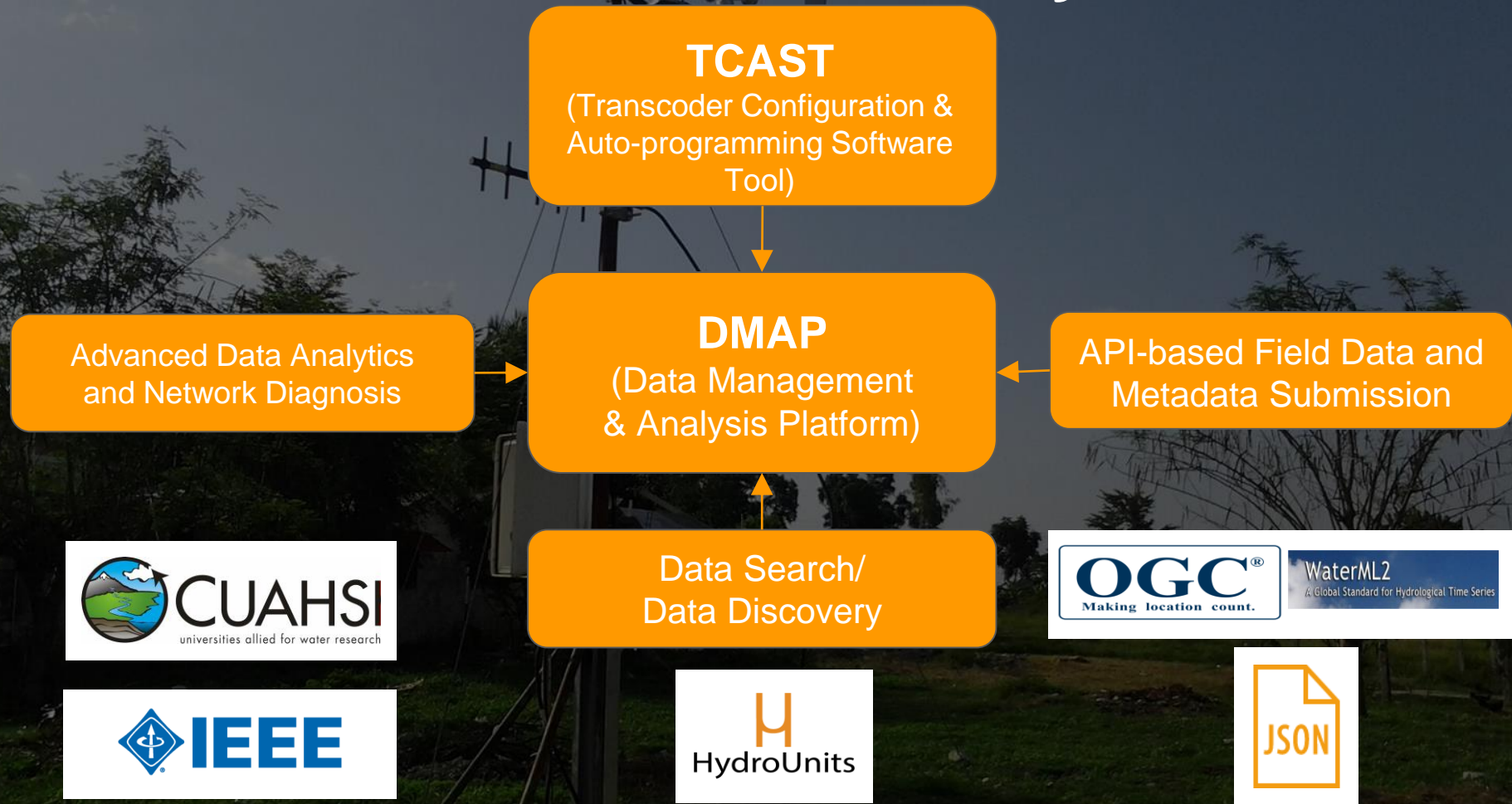
Deploy: TranscodX™ Slave and Master



Data and Network Performance Analytics



The Software Ecosystem



Products and Features Comparison

Features	SENSAQ	Campbell Scientific	Onset Computers	Davis Instruments	Decagon Devices /Meter Group
Short Learning Curve	X		X	X	X
Short Deployment Time	X		X	X	X
Controlled Vocabularies	X				
Std. Data Management	X				
Data Publication	X				
Remote Network Diagnosis	X		X	X	
Data QA/QC	X				
Data Visualization	X	X	X	X	X
Remote Access	X	X	X	X	X
RF transmission	X	X	X	X	X
Devices	TranscodX	CR6, CR1000, CR300	HOBO RX3000	EnviroMonitor	EM50 Family