

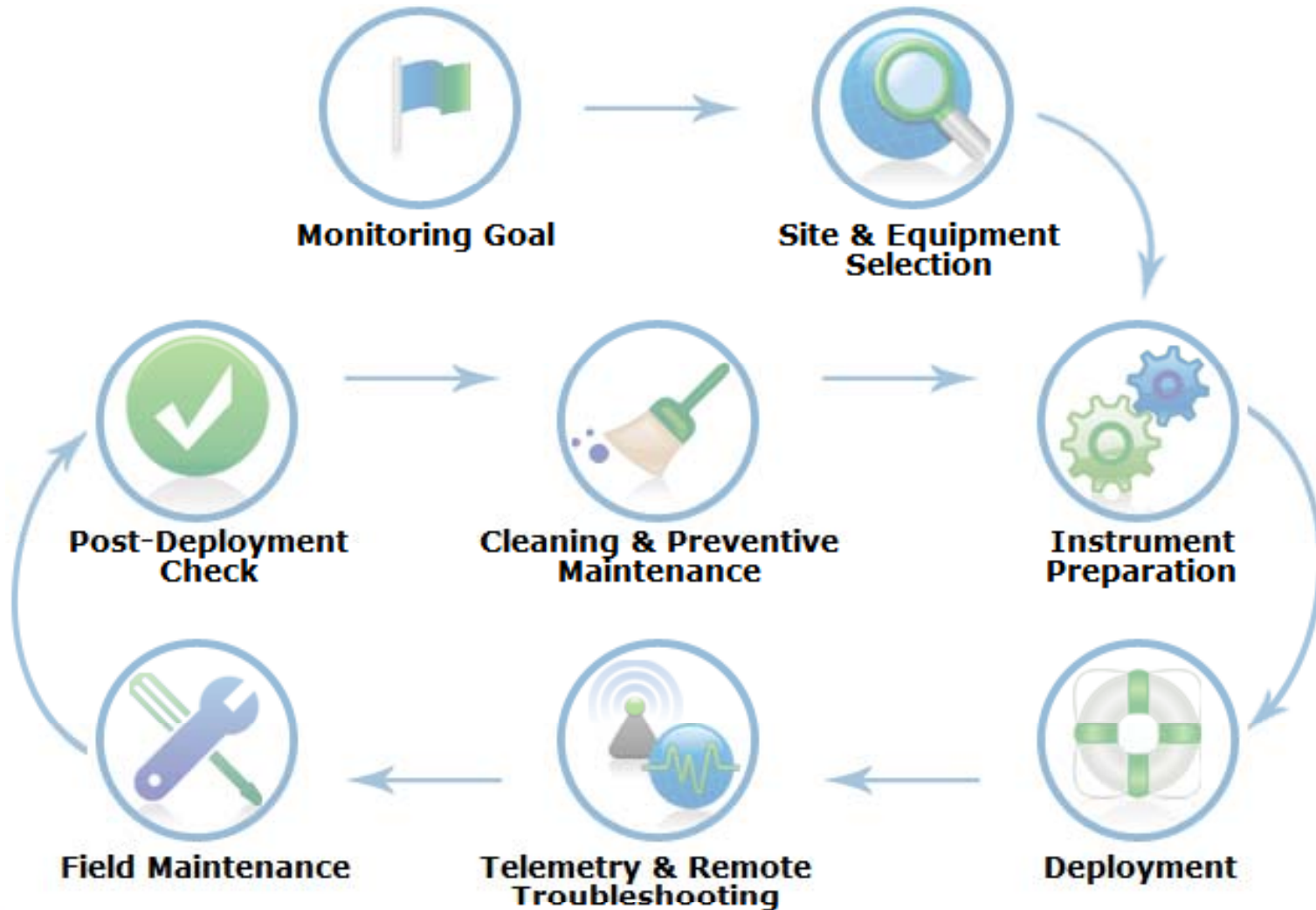


Novel Sensing Platform to Enable Increased Data Density of Physiochemical and Biological Properties of Water in Small, Power- efficient Package

Tim Finegan
YSI Inc



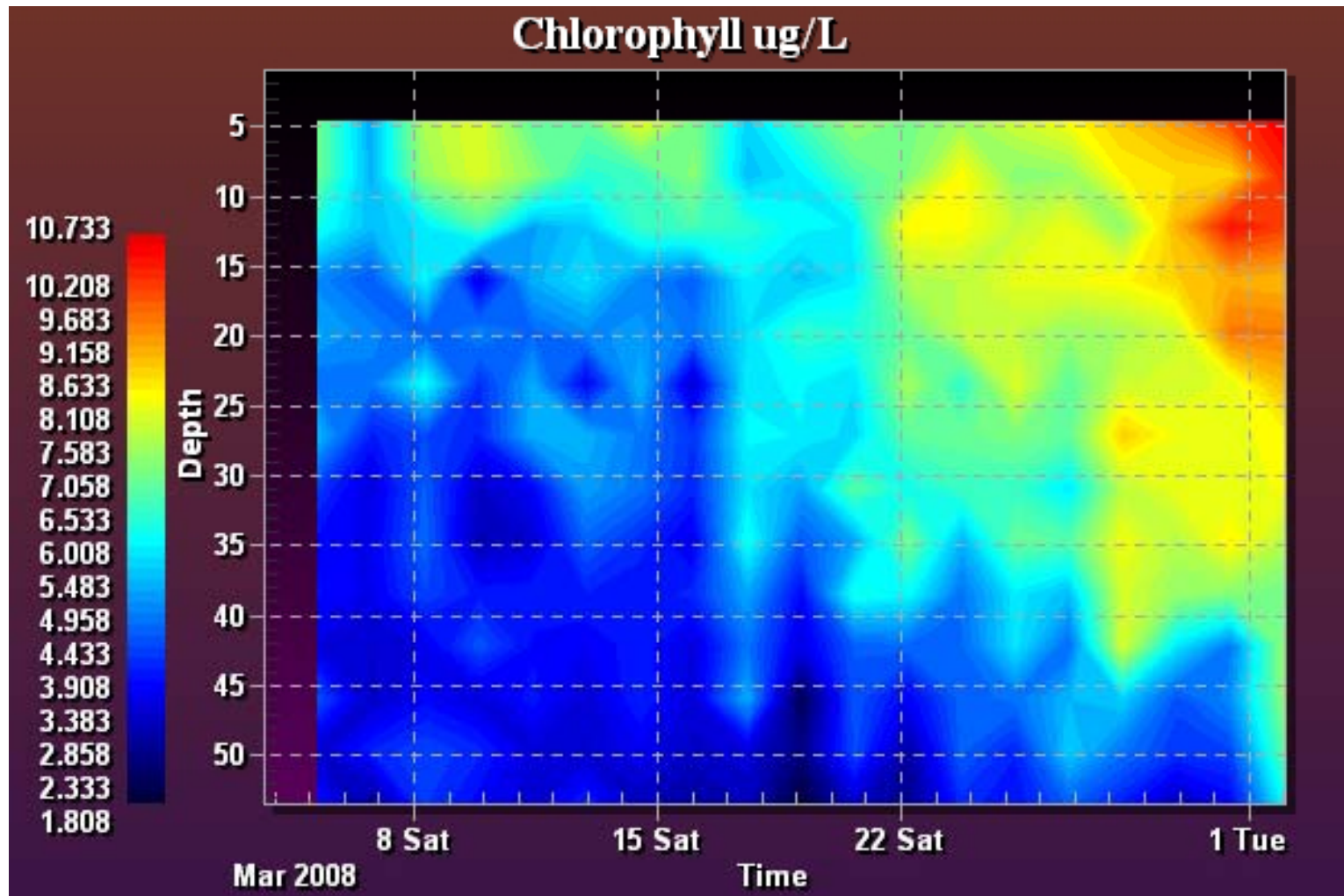
Challenges of In-situ Monitoring



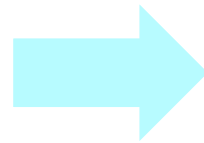
Increased data density challenges



Increased Data Density

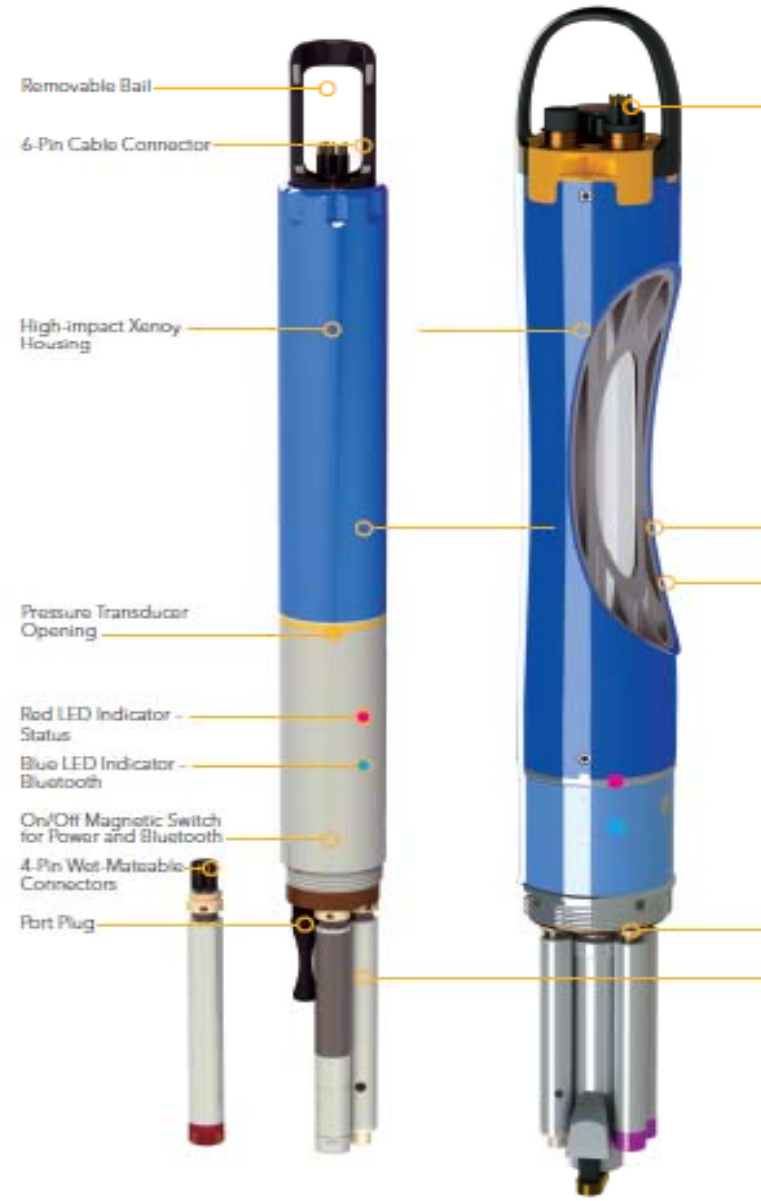


Materials



Xenoy
Titanium
Ultem
Urethane
Lexan EXL
Sapphire

Small Platform

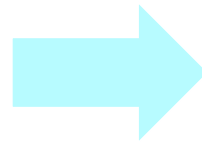


Biological and Physiochemical Sensors



Technology Driving Data Density

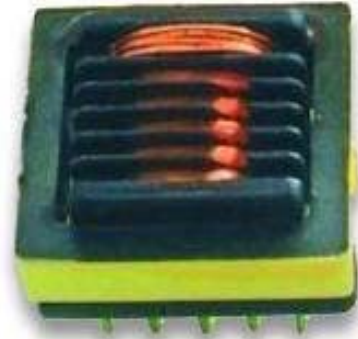
Optical Luminescent DO Example



SmartQC



Power Efficiency



Measuring more with less

- Calibration reagent reduction
- Few labor resources
- New users
- One platform many applications
- Expansion





a xylem brand

Questions