











### February 15, 2013 VIMS Industry Partnership Meeting



**Dave Marsell** (757) 766-4530



Dave.Marsell@meas-spec.com



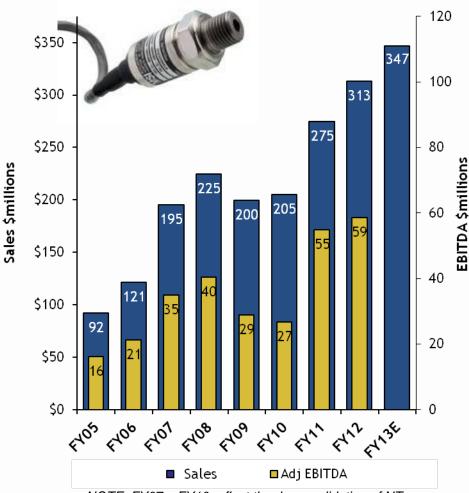




#### **MEAS Overview**

- Publicly traded on NASDAQ: MEAS
- Design/manufacture wide variety of sensors serving virtually all end markets; global footprint with infrastructure in NA/EU/Asia
- Products measure a broad range of physical characteristics, and are designed into medium/high volume OEM products.
- Focus on highly engineered, application specific solutions, where our product breadth/technology, willingness to customize and low cost operating model provide us strategic advantage.
- Heavy investment in new programs & acquisitions continue to drive sales. 7 year CAGR (FY05 to FY12) is 19%.
- Vision: Be the supplier of choice to OEMs and select end-users for all of their physical sensing needs

#### Aggressive Profitable Growth



NOTE: FY07 – FY10 reflect the deconsolidation of NT, our JV in Japan with retrospective adoption in fiscal 2011.

## Diversified & Integrated



Acquired brands are core to growth/technology expansion...









Piezofilm Sensors















celesco

















...integration is key to present one face to the customer.



### Worldwide Resources



#### 2,895 employees worldwide 410 U.S., 554 Europe, 1,931 China

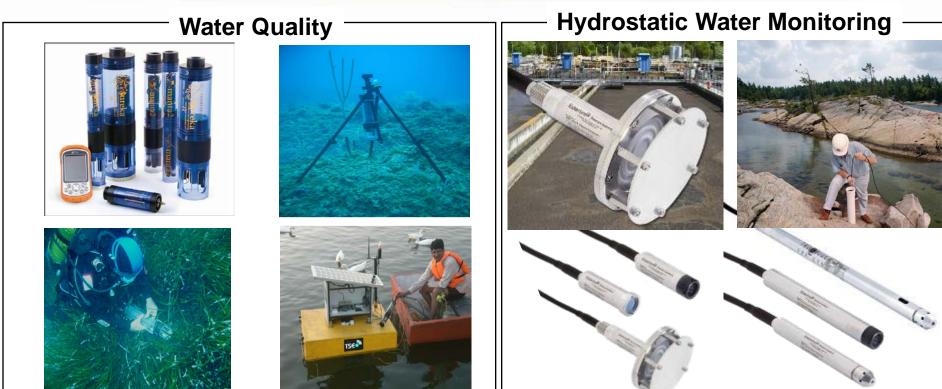


Aerospace: AS9100B, EN9100, ESA & NASA qualified

Medical: ISO13485

### **Environmental Capabilities**





- Multi-parameter water quality analyzers (formerly Eureka Environmental)
- Process and environmental water level, temp and conductivity (formerly Pressure Systems/KPSI)

# VIMS Industry Partnership



### May 2011, MEAS was seeking....

- Local experts for collaborative deployment and evaluation of our environmental monitoring products
- Local well field for beta testing of new groundwater
  Remote Monitoring System
- Opportunities for case studies and other publications
- Opportunities to get product exposure with researchers and students soon to enter the workforce

# VIMS Industry Partnership

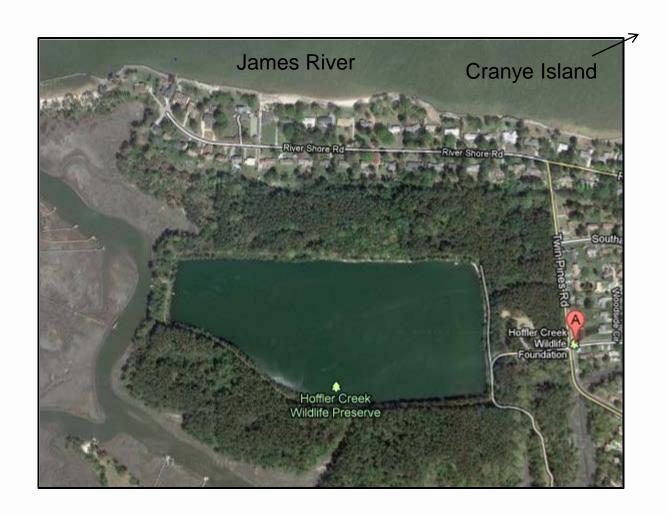


### Solution - VIMS Partnership Networking

- Contacts sought through Mark Patterson for beta and collaborative work. Resulted in contact with Jim Perry of VIMS
- Rapid introduction to and communications with numerous researchers in the Hampton Roads academic community with opportunity for collaborative work
  - Jim Perry, VIMS
  - Greg Hancock, William and Mary
  - Rich Whittecar, ODU
  - Rob Atkinson, CNU



## ODU Collaboration Hoffler Creek Wildlife Preserve



### ODU Collaboration



- Collaborating with Rich Whittecar, Department of Ocean, Earth and Atmospheric Sciences
- CTD Sensors at Hoffler Creek Wildlife Preserve (late 2011)
  - Later expanded to include TruBlue Telemetry System
- Used for senior level OEAS 441-442 Field Study class for Ocean and Earth Science majors









### William and Mary Collaboration Jamestown Island Settlement



# William and Mary Collaboration



- Collaborating with Greg Hancock, Department of Geology
- CTD Sensors at Jamestown Island research site (January 2012)
  - Remote Monitoring System deployment Spring 2013
- Used in
  - GEOL316: Environmental Geochemistry (Fall 2012)
  - Field seminar (Spring 2013)
  - Jamestown settlement research project

# Jamestown Settlement Research



- Research theory that high mortality rate at the Jamestown Colony was related to poor quality of drinking water.
- Monitoring ground water for
  - Salinity
  - James River tidal and seasonal aquifer impact
  - Contamination flow from human waste, graves, etc.
- Funded by National Geographic Society grant
  - Possible feature magazine article??
- <u>http://www.history.com/news/did-jamestowns-settlers-drink-themselves-to-death</u>

# Summary



### A mutually beneficial partnership for universities and Measurement Specialties

#### For the university...

- Free instrumentation use
  - Classroom teaching resource
  - Research tools
- Hands-on experience for students

#### For Measurement Specialties...

- Product feedback from practical field use
- New product suggestions based on research needs
- Product experience and MEAS brand recognition by students soon entering the workforce
- Company marketing and prestige through acknowledgement in research publications