

# Specifying, Optimizing and Maintaining CEMS equipment.

**Presentation by:**  
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**STI Cems Services**

# **My Biography:**

**17 years experience in the Cems industry.**

**Started STI Cems Services 6 years ago.**

**Married to Mandy and have two children, Mason and Kylee**

**What are your Cems or  
Continuous Emissions  
Monitoring Needs?**

**Most of you have a need  
for.....**

**Existing Cems**

**Will be purchasing new  
Cems**

**Replacing aged Cems**

**Adding Monitors**

**When Specifying a  
Cems you need.....  
The Right tool for the  
job!**

# **4 Key Areas to Consider**

- 1. Sample Probe**
- 2. Analyzers**
- 3. Data Acquisition**
- 4. Maintenance Plan**

# Sample Probe

- Dilution or full extractive?
- Wet or dry?
- Sampling Technology

# Analyzer

- What Brand?
- Long term strategy
- Support Capabilities



# Data Acquisition

- Local or Third Party
- Long term strategy
- Support Capabilities

# Maintenance Plan

- The key to uptime is preventative maintenance.
- Proper spare parts on site
- Partner with a good service group.

# Optimizing Your Existing Cems

- Replace Specific Equipment
- Add Analyzer for Production
- Bring in a consultant

# Maintaining Your Cems

- Good PM Schedule
- Need to Replace Parts
- Training
- Third party Service Support

**The single largest cause of downtime on Cems equipment is a lack of preventative maintenance.**