Applying Situational Awareness in the Control Room

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> A control center is basically a Situational Awareness Cell
  > Massive amount of data is transformed into useful information for the controller
  > Each control center console provides controllers with adequate information to maintain awareness of the operations of their pipeline facilities
  > Controller must have confidence in the tools that maintain their awareness
    > SCADA system reliability
    > Alarming
    > Controllers’ knowledge of the physical assets for which they are responsible

> Control Room Situational Awareness is usually stratified or layered
  > Controller’s SA is typically at the tactical level
  > Control center leadership’s SA usually grows to strategic level
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> Control Room Environment
  > Distractions
  > Acoustics
  > Lighting
  > Console Configuration and Displays

> Control Room Management Rule is Mostly Focused on Situational Awareness
  > Controller Roles & Responsibilities
  > Adequate Information
  > Fatigue Mitigation
  > Operating Experience
  > Training
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**OODA Loop**

- **Observe**: Collect data or information
- **Orient**: Analysis of information to form the *current* perspective
- **Decide**: Course of action determined based on that perspective
- **Act**: Engaging or playing out the course(s) of action decided upon
Questions?