

Digital Technology to Improve Plant Status Control



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Today's Challenges

How do we continue to improve human performance?

What role can digital technology play?

Human Performance – Current Direction

- Great Gains - using human performance tools targeting individual behaviors
- Less Effort – using technology to improve human performance
- Current Reminder – from INPO SOER 10-2 (*Engaged, Thinking Organizations*) that human performance is a significant factor in the cause and/or complication of events
- Growing Impact – in the cost of improving human performance along with the burden on the humans



Tomorrow's Business

License renewal opens up a business opportunity for Duke

When choosing to invest, we have twin measures of success

Reliability

Safety

Twin Success Measures

Are we?

Reliability

- Maximizing production - key to long term operation
- Making investments to keep equipment running
- Making investments to keep people engaged

Safety

- Reducing number of consequential events - key
- Working less in fear of making error and more in confidence with supportive and guiding processes and systems
- Protecting public & employee confidence by operating safely

Catawba Welcomes Research Opportunity

- Catawba is joining with the Idaho National Laboratory to investigate the role digital technology can play as we invest for our future
- At the January kick-off
 - Jim Morris, Catawba Vice President, and his senior staff shared a clear, supportive vision for this effort
 - Catawba team includes a number of folks across work disciplines, ages and experience ranges
 - Team engaged from the first day, ideas exchanged, and hopefulness that technology could hold the key
- Many eyes will be on the progress of this research

Catawba Project Research Path

