

HUMAN PERFORMANCE CONFERENCE – 3/27/18

Augmented Reality



Westar Energy - Renewables

In 2017, more than half of the power to the homes and businesses we serve came from emission-free sources —renewables and nuclear power



Voltage Regulator Maintenance

Current process

- First responder troubleshooter or agent
 - Controller call out relay tech
 - Regulator bypass for line crew
- Incorrect initial assessment = additional truck roll
- Most repairs are minor issues
- Extremely inefficient!













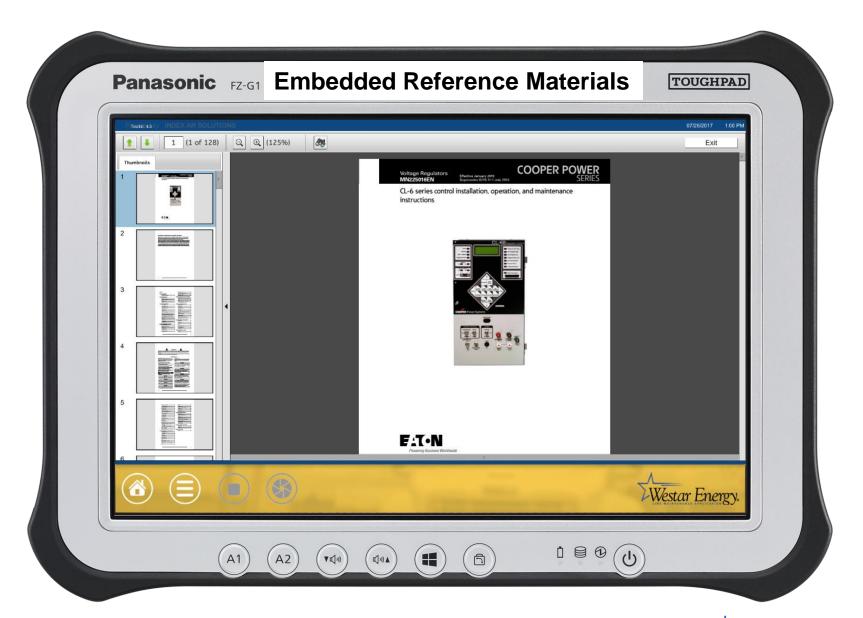
Controller Identification

Line-Assist troubleshooting

- Identifies model of controller
- Queues specific troubleshooting steps
- AR enhanced view
- Extremely easy to use









Line-Assist Benefits

- Change the medium to reach a new generation
- Direct the right information to the people who need it, when they need it
- On-site refresher for infrequently performed tasks
- Leads to improved safety and productivity





Core Project Team

Kyle Robertson	Engineer, Substation Maintenance	Westar (Project Manager)
John Wistuba	EDS, Central Region	Westar (Project Manager)
Jim Kokenge	Subject Matter Expert, Relay Tech	Westar
Dexter Lilley	Executive Vice President & COO	Index AR Solutions
John Arczynski	Director of Operations	Index AR Solutions
Dan McDonald	AR Engineer	Index AR Solutions



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