Increase your awareness with Citect SCADA 2018

Release Overview
Brad Shaw – Product Manager Citect SCADA
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From this… 😞

…to this 😊
Context-Aware Workspace
- Workspace templates for 1080p and 4K screen resolutions
- In-built context system that updates faceplates and information zone for selected equipment
- Context driven navigation
- Multi-monitor support

Comprehensive Library
- Wide selection of symbols that follow industry best practices for Situational Awareness / Abnormal Situation Management
- Configurable, out of the box
- Can be applied to both greenfield and brownfield installations

Alarm Management
- Shelve alarms for a period of time, record reason why, auto / manual un-shelve & re-shelve support
- Define cause / response for every alarm including “time to respond” & consequence for no action
- Native Alarm Indicators, showing alarm border and flag for equipment in alarm
Situational Awareness

The perception of the elements in the system, the comprehension of their meaning, and the projection of their status in the near future.

Put simply, it’s knowing what’s going on around you
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Dedicated Situational Awareness Workspace for HD and UHD 4K

▲ Workspace
  ▲ Layout
    ▲ Navigation Zone
    ▲ Faceplate Zone
    ▲ Information Zone
  ▲ Context
  ▲ Autofill
  ▲ Menu-driven Navigation
    ▲ With Alarm Counts
  ▲ Alarm-based Navigation

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Dedicated Situational Awareness Workspace for HD and UHD 4K

▲ Alarm Page
  ▲ Filtering by Alarm Severity
  ▲ Filtering by equipment hierarchy
  ▲ Cause & Response information presented for selected alarm
  ▲ Alarm-based Navigation
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Dedicated Situational Awareness Workspace for HD and UHD 4K

▲ Trend Page
  ▲ Equipment Filtering
    ▲ Partial Name Search / Filtering
    ▲ Alarm Counts / Priorities / States
  ▲ Select Trends, Alarms, Tags from any equipment
    ▲ Up to 16 pens
  ▲ Standard Process Analyst functionality

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Dedicated Situational Awareness Workspace for HD and UHD 4K

- Multi-monitor Support
  - Out of the box support for multiple screens
  - Define your resolutions
  - Define layout for each screen, and what content
  - Link screens, or make them independent
  - Configure multiple profiles for the same project

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Extensive Library of Configurable Objects

- Drives
- Valves
- Meters
- Data and UI Elements
- Mining Objects
- Polar Star
- Bar Graph
- Wind Compass
- And more…
Convey important information without distracting operator

Careful use of colors, fonts that are easy to read, indicate optimal range

Efficient use of screen space

Alarm Borders and Alarm Indicators
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Improving Operational Efficiency

▲ Alarm Shelving
  ▲ Shelve alarms for a period of time
  ▲ Record the reason why
  ▲ Auto and Manual un-shelve
  ▲ Re-shelve support
  ▲ Appear on alarm border and navigation buttons

▲ Cause & Response
  ▲ Define up to 8 cause and responses
  ▲ Define consequence of no action, time to respond
  ▲ Operators access information in one click
Elevating the operator’s perspective from…

1. **Perception**, to
2. **Comprehension**, to
3. **Projection**
# Bringing It All Together

How can I benefit from Citect SCADA 2018?

<table>
<thead>
<tr>
<th>Feature</th>
<th>Using SA</th>
<th>Not Using SA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workspace, using new &amp; existing pages</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Alarm Borders, Indicators</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Alarm Cause &amp; Response</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Alarm Shelving</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Alarm-Based Navigation</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Situational Awareness Library</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Configuration Efficiencies (graphics editing, etc)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Performance &amp; Quality Improvements</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

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Final thoughts...

- **Engineering Efficiency**
- **Operator Awareness**
- **Efficiency & Productivity**
## Citect SCADA 2018

### Value Propositions

<table>
<thead>
<tr>
<th>BENEFITS</th>
<th>FEATURES</th>
<th>VALUE PROPOSITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Cost Reductions</td>
<td>• New situational awareness library based on new composite genies concept</td>
<td>• “Out of the box” symbol library significantly reduces time building graphics while giving the flexibility to customize objects to suit your unique needs.</td>
</tr>
<tr>
<td></td>
<td>• Pinned windows, named animations, animated polyline vertices to simplify engineering experience</td>
<td>• Improvements in graphics system and new workspace concept substantially reduces time building complex layouts</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• New approach to building genies saves time on complex genie layouts and permutations</td>
</tr>
<tr>
<td>Operator Awareness</td>
<td>• Navigation zone for a quick visual alarm summary</td>
<td>• Operators are able to instantly grasp which area of the plant requires their attention the most</td>
</tr>
<tr>
<td></td>
<td>• Alarm indicators to easily draw operators attention</td>
<td>• Operators are able to navigate to the plant area and instantly understand which equipment needs to be investigated</td>
</tr>
<tr>
<td></td>
<td>• Equipment references and alarm shelving linked with workspace and alarm indicators</td>
<td></td>
</tr>
<tr>
<td>Productivity Increases</td>
<td>• New contextual workspace to simplify operator’s experience</td>
<td>• Minimum visual distraction and workspace layout designed to ensure timely decision making that reduces the risk of downtime</td>
</tr>
<tr>
<td></td>
<td>• Alarm cause and responses help operators identify and respond to alarms</td>
<td>• Instant just-in-time guide for operators saves time in decision making when alarms occur</td>
</tr>
</tbody>
</table>

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More Information

- Support Portal: https://www.citect.schneider-electric.com/
- Website: http://software.schneider-electric.com/products/citect-scada/

- General Product Inquiries
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