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Implementing Digital Permitting and Safe Work Processes

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Agenda

- Industry Guidance and Trends
- Common Causes of Incident
- Introduction to ePAS
- Digitalising the Process
- New Developments
- What's Next?

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Industry Guidance and Trends

Industry Guidance and Trends

- HSE Guidance on Permit to Work Systems https://www.hse.gov.uk/pubns/priced/hsg250.pdf
  - Clear visibility of ongoing / upcoming permits
  - Thorough training on processes
  - Ensuring one activity does not create danger for another
  - Clear roles and responsibilities throughout the process
  - Identification of hazards and controls

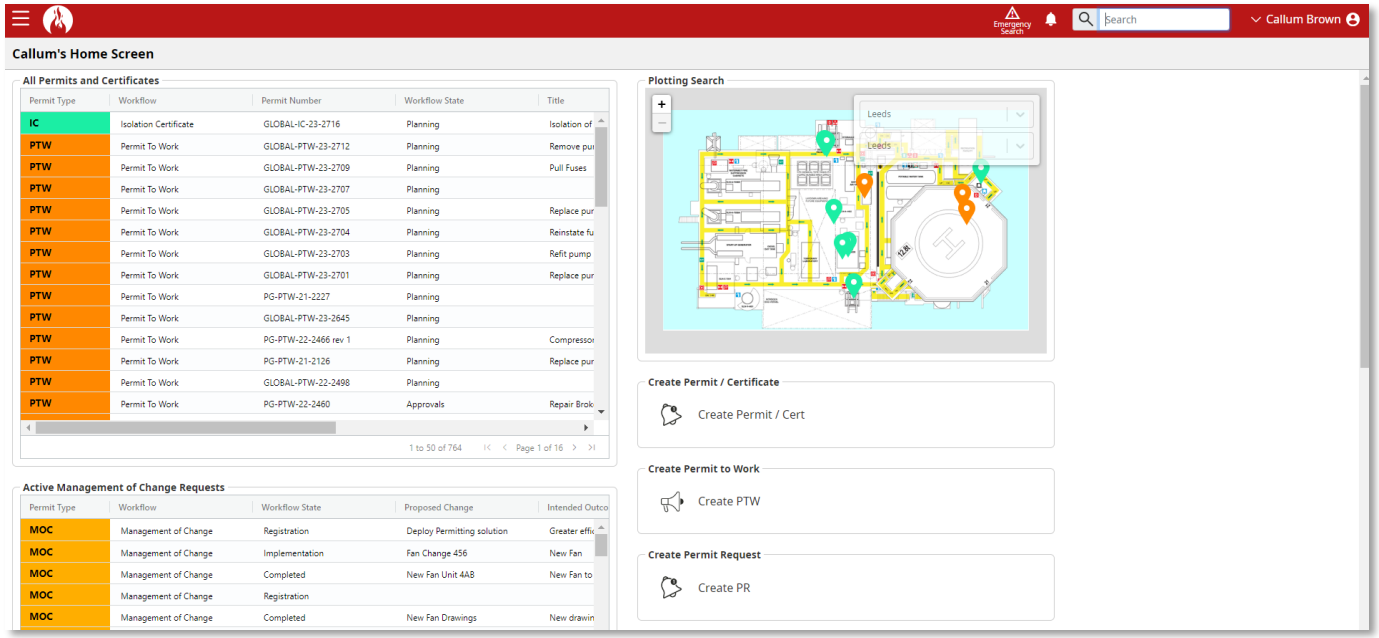
Most Common Causes of Incident

- Some of the most commonly cited causes of incident include:
  - Inadequate training
    - System roles, competencies
  - Inadequate communication
    - Integrated solutions
  - Poor working practices
    - Driven processes / no short-cuts
  - Rushed preparation
    - Templating

Introduction to ePAS

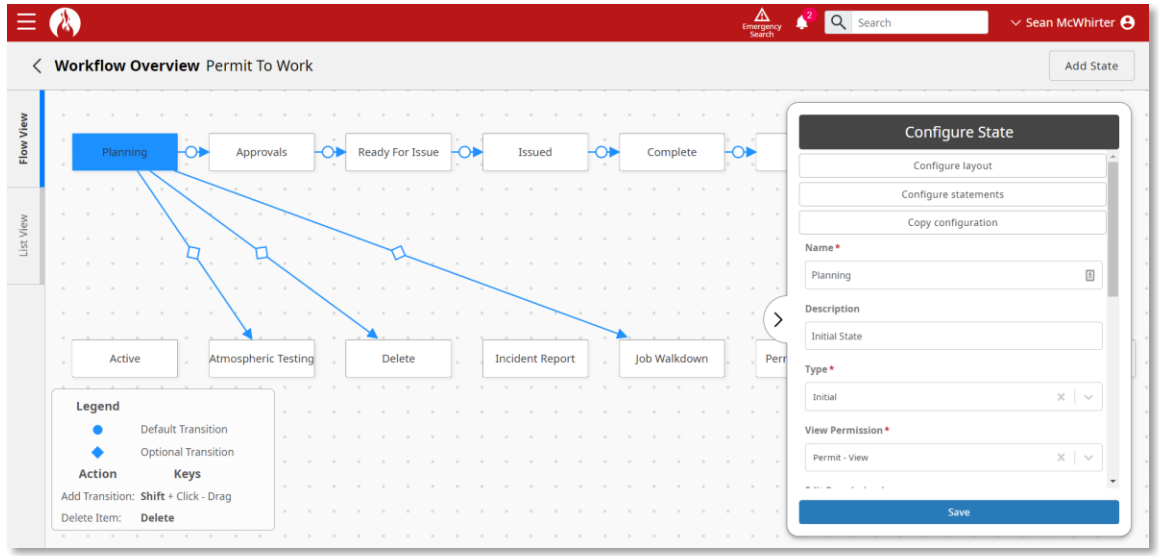
Introduction to ePAS

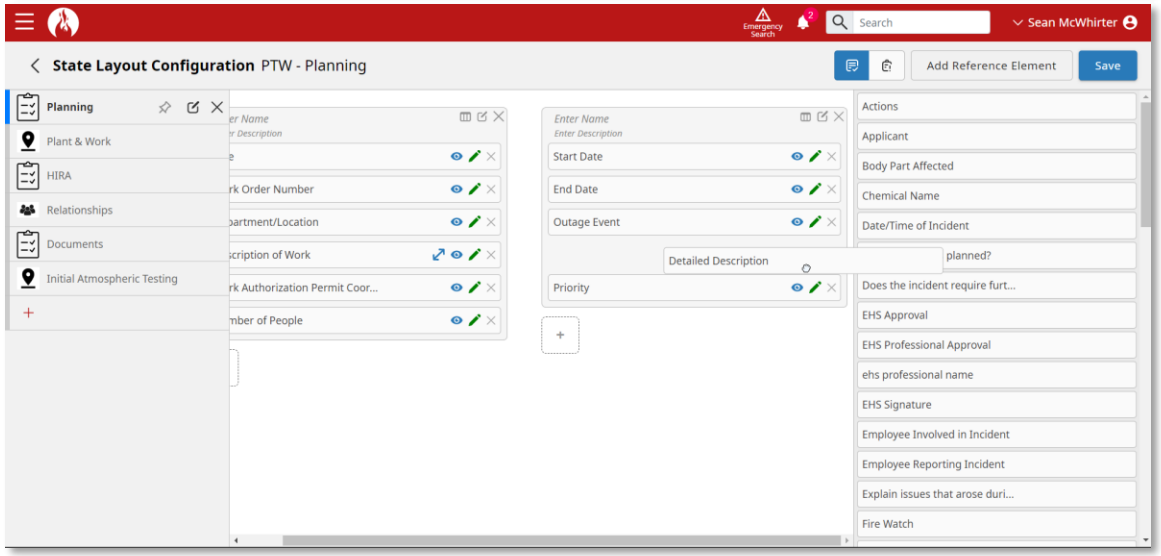
- All encompassing Health and Safety solution
- Integrated with the EAM
- Configurable workflows
- Mobile capabilities
- Intuitive and user friendly



Workflow Designer

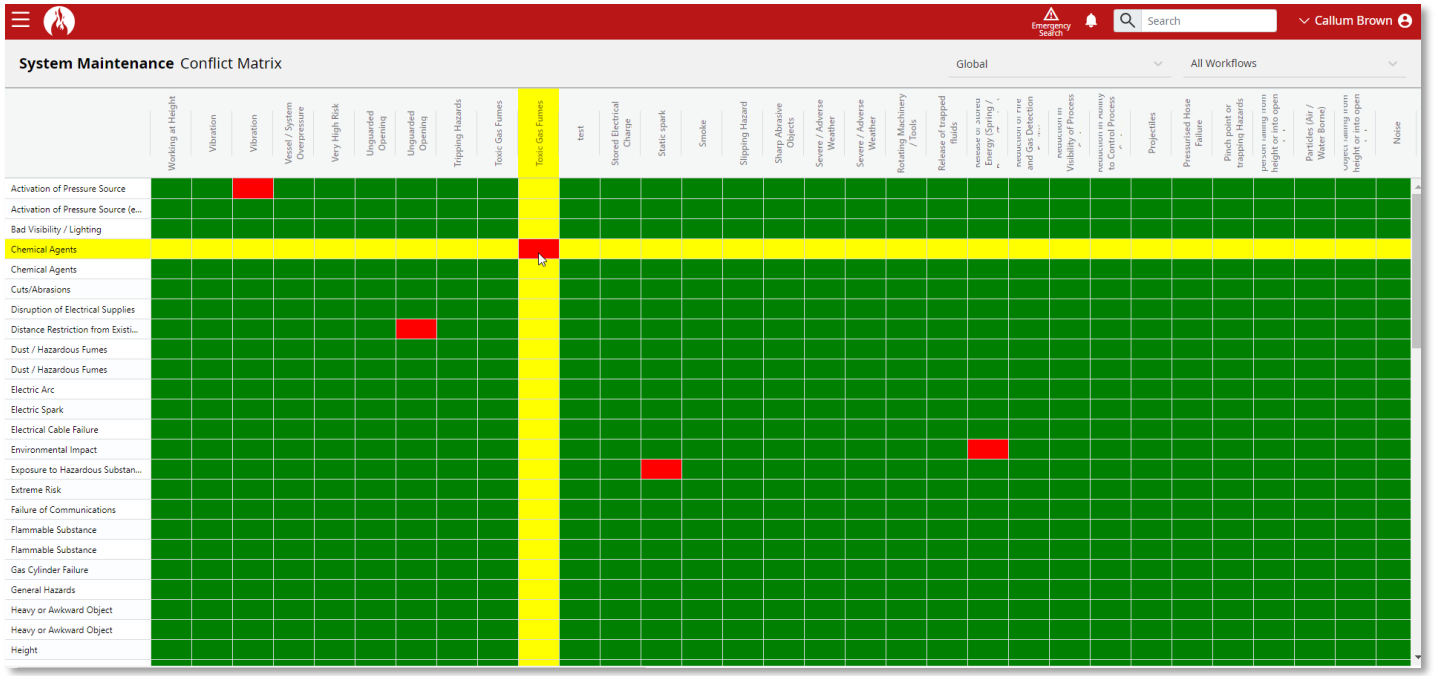
- Permit to Work
- LOTO
- CSE
- Incident Reports
- MOCs





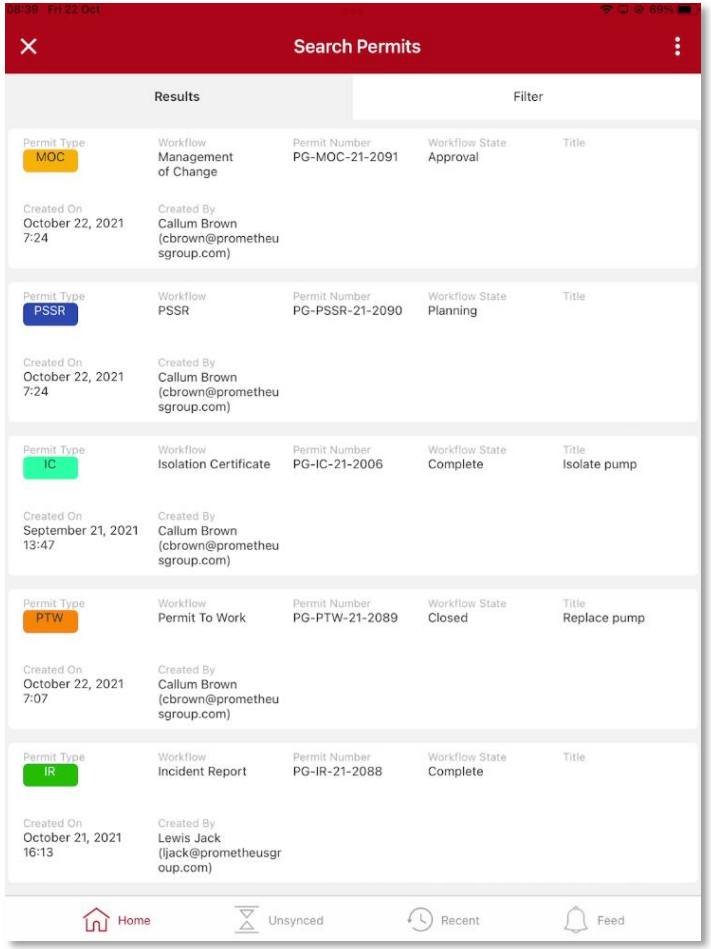
Conflict Management Slide

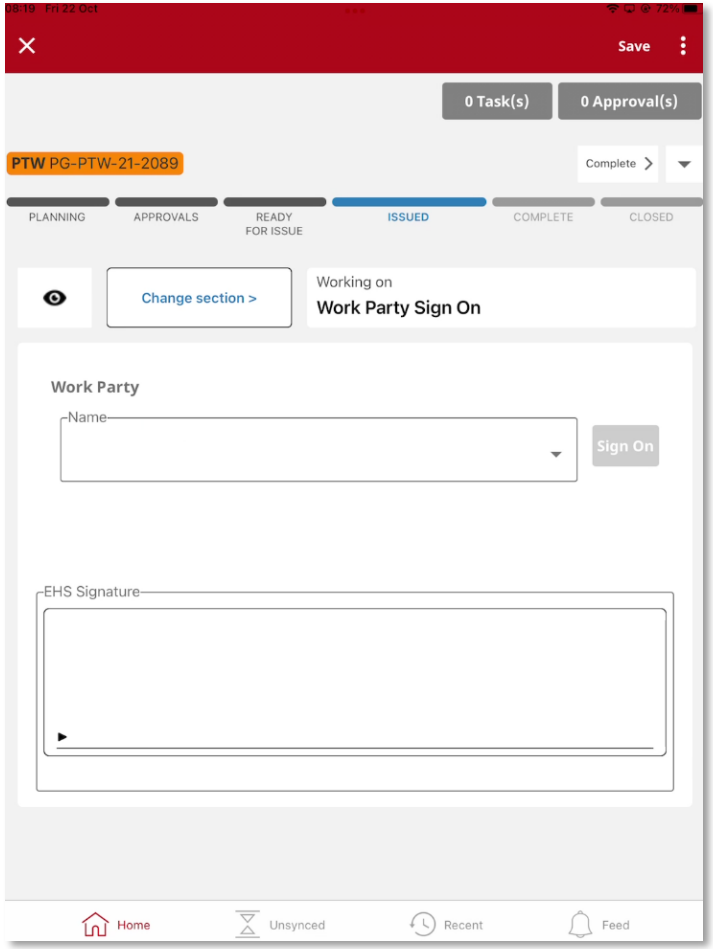
- Identify potential conflicts / simultaneous operations
- Works based on location, planned dates / times (as well as if issued now) and hazards
- Prevents the issuing of a permit if conflicts are found
- Less reliance on human beings and therefore less likely to encounter mistakes
    - Reduction of incidents



Mobile Capabilities

- Online / Offline
- Device Agnostic (iOS, Android, Windows)
- Follow the complete workflow through
- Simplified User Interface





Digitalising the Processes

Project Initiation

- Many new project types
  - Not just permit to work and LOTO
- Phased approach and change management
- Fit for purpose workflow application
  - Workflow designer and localized content

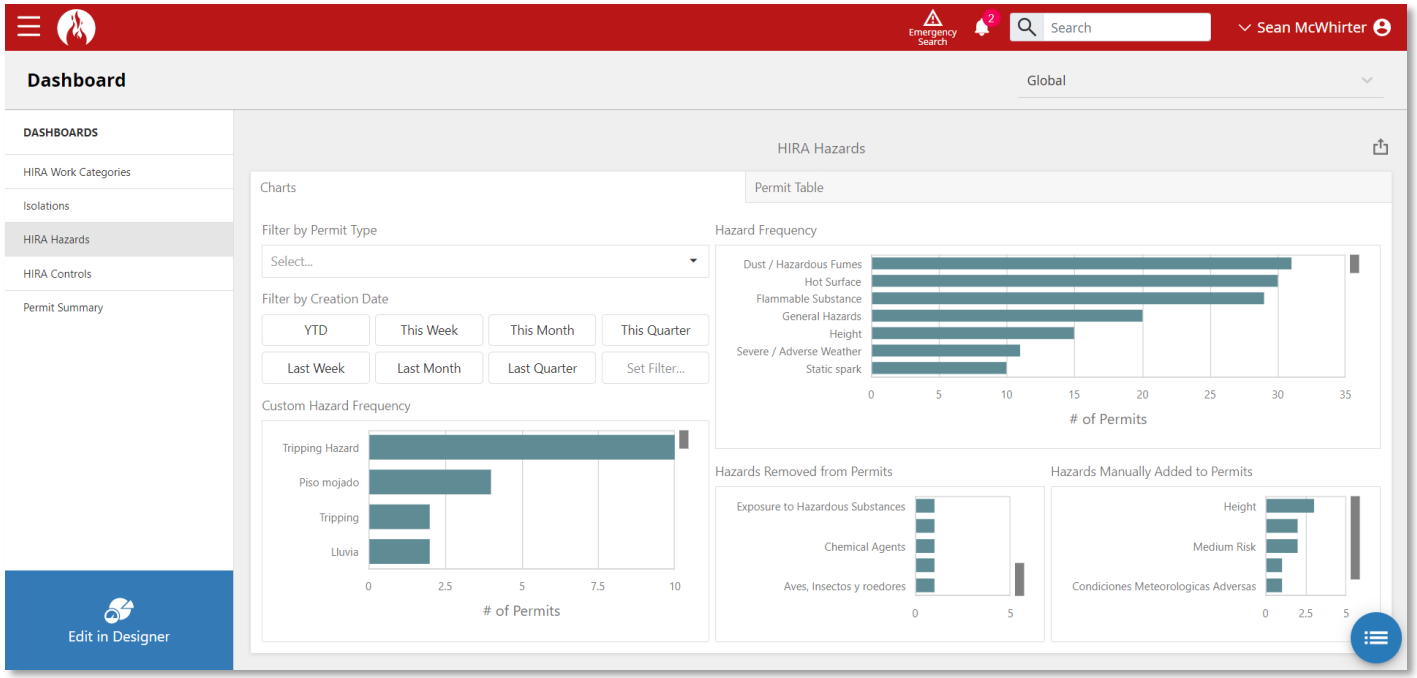
Considerations when moving to a ISSOW

- What are our biggest challenges that we want to address?
- Do we want to be mobile enabled?
  - Do we have network coverage across site?
- Do we need integration with our EAM and what should that look like?
- Who would need access to the system and what level of access?
- Which workflows do we want to digitalize?
  - PTW, LOTO, CSE, Incident Mgmt, MOC, etc.?
  - Do we want to start with all, or just some workflows and scale out?

New Development

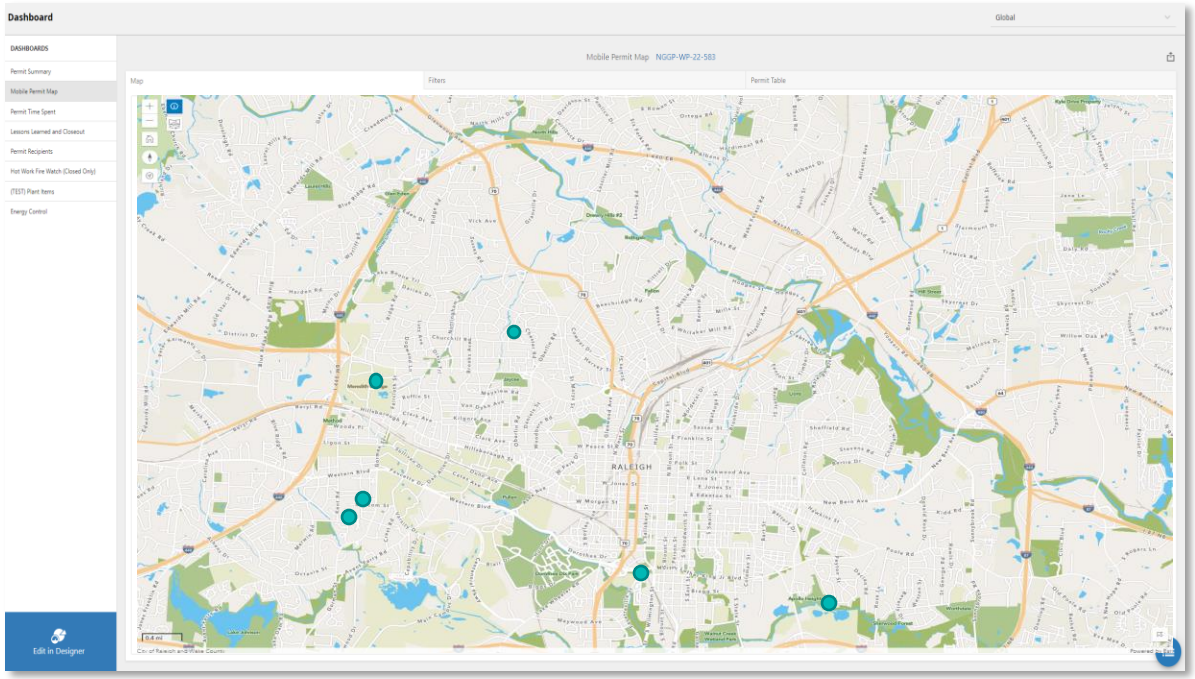
Embedded Reporting

- Dev Express Reports
  - No more crystal reports requirements
- In-app Analysis
- Map Extension
- Location and Role Dashboards



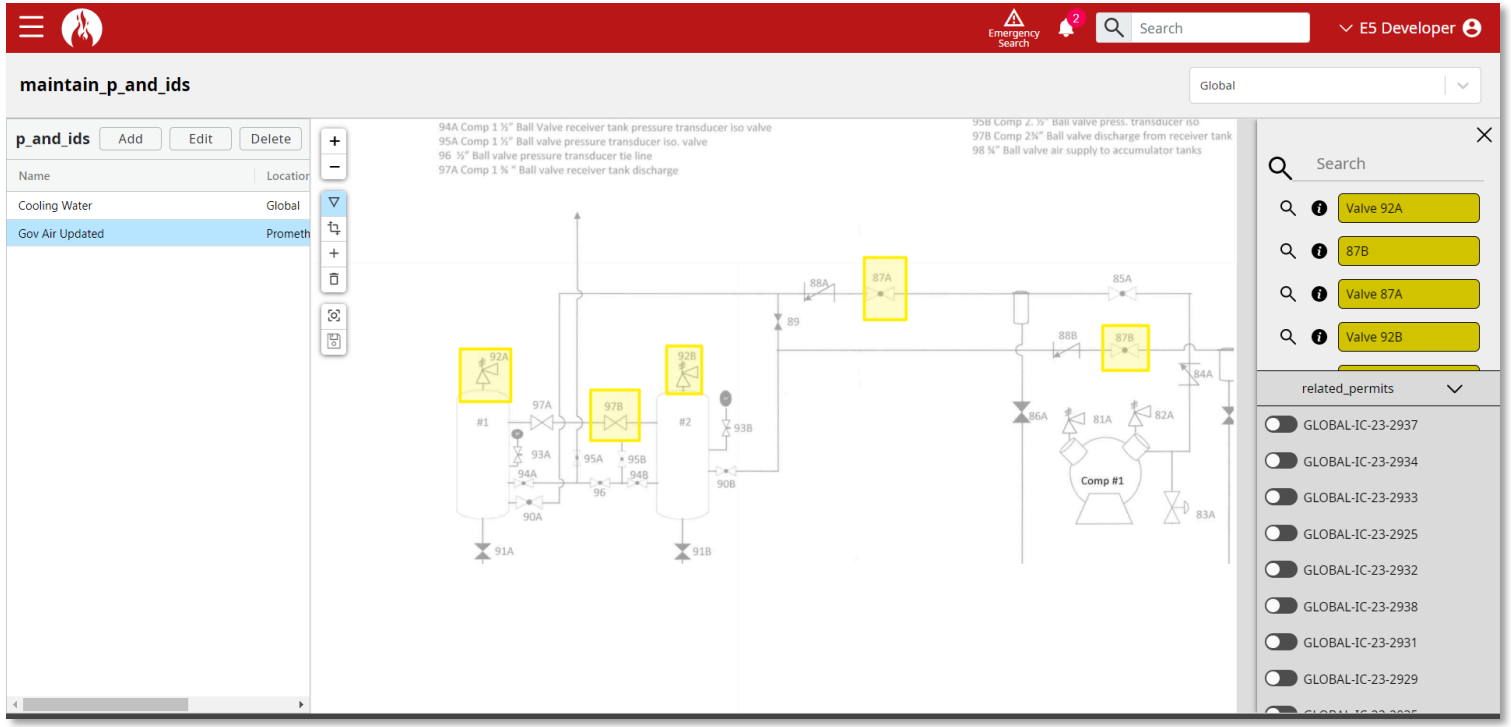
GIS Improvements

- Audit trail coordinates
- Mobile integration
- Enforce walk-down processes



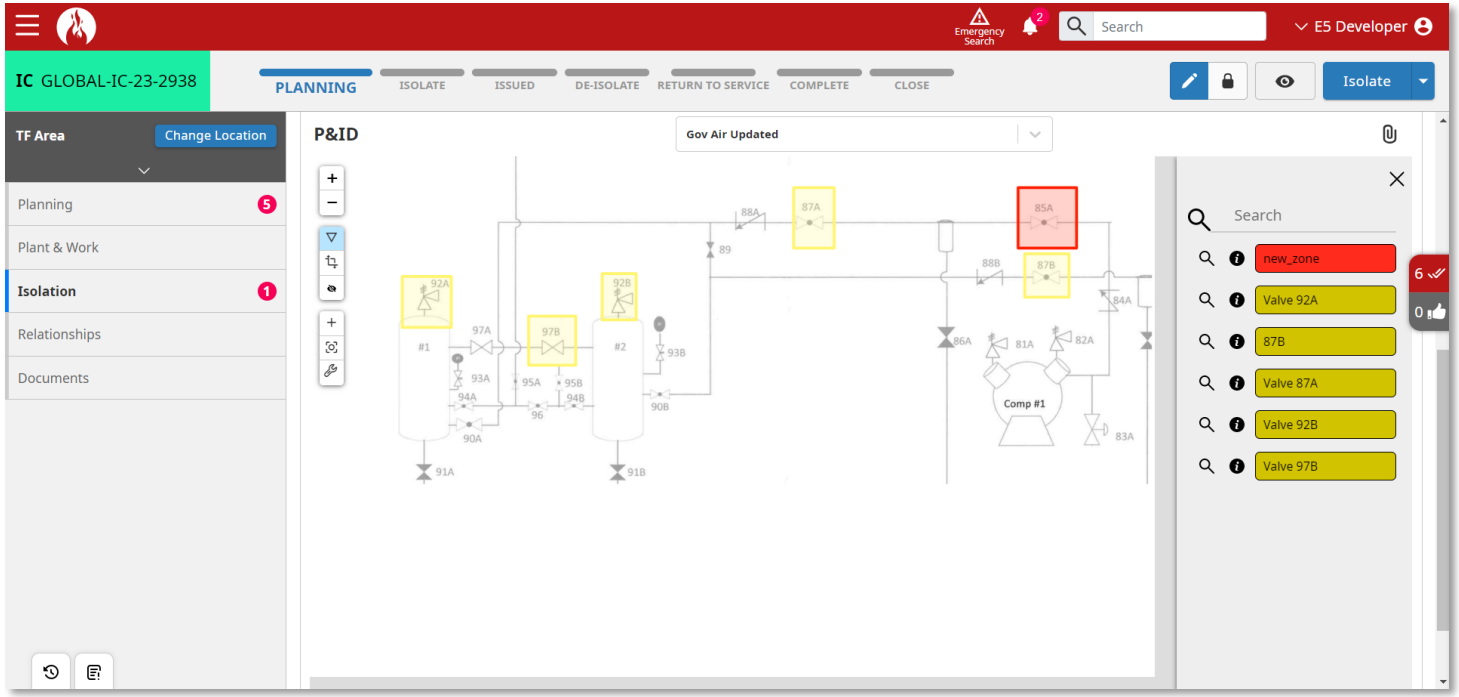
Maintain P&IDs

- Manage Drawings
- Pre-save Isolation Points
- View records



Apply P&IDs in Isolation Certificates

- Use pre-drawn points
- Add temporary points
- Automatically create isolations



What's Next?

Upcoming

- Plotting Zones
- Automated plot points
  - Based off GIS coordinates / ArcGIS
- Broader Mobile PM Integration
- Integration with RiskPoynt
- Notification Extensions

Questions?

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Thank you

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