

# Emergency Relief System Workflow with Process Safety Enterprise®

**A web-based workflow process and project management solution**

Process Safety Enterprise® is the ultimate enterprise system that administers workflows, manages data and documents, enables knowledge sharing, and enhances communication and collaboration.

## Streamlining Workflow and ERS Design

The integration between Process Safety Enterprise® and Process Safety Office™ SuperChems™ component equips pressure relief safety professionals and operating companies with a complete emergency relief systems (ERS) life-cycle management solution.

Process Safety Enterprise® provides a centrally-structured database and workflow system to ensure all ERS projects are effectively executed, while SuperChems™ delivers a powerful and reliable simulator for all aspects of emergency relief design. Detailed pressure relief valve reports and supporting documentation are managed on an accessible platform. Maintaining ERS documentation in Process Safety Enterprise® also contributes to successful compliance with industry and corporate recommended practices and standards.

## ERS Modules

Built with powerful backend dynamic forms, Process Safety Enterprise® with ERS Workflow includes the following modules:

### ERS Workflow

Provides business process workflow for each operating unit under study or for the entire facility

### Individual Relief Device Workflow

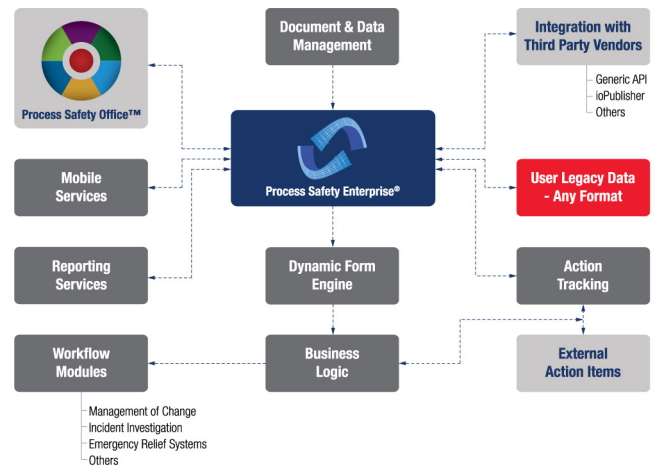
Provides business process workflow for each relief device included in the ERS Workflow

### Relief Device Module

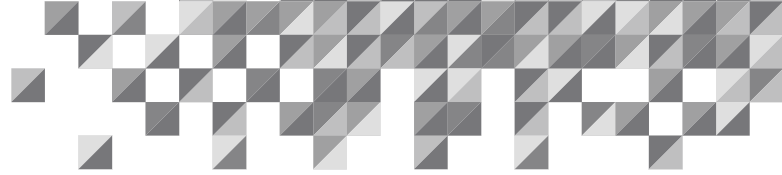
Records for each relief device, along with mechanical information and calculations, are linked from the library

## Features

- |                        |                       |                                       |
|------------------------|-----------------------|---------------------------------------|
| Auditability           | Document libraries    | Centralized action-item tracking      |
| PSM compliance         | Dynamic forms modules | Enterprise configuration capabilities |
| Action tracking module | Reporting             | Web-based application                 |
| Workflow management    |                       |                                       |



Process Safety Enterprise® Architecture



## About ioMosaic Corporation

Through innovation and dedication to continual improvement, ioMosaic has become a leading provider of integrated process safety and risk management solutions. ioMosaic has expertise in a wide variety of areas, including pressure relief systems design, process safety management, expert litigation support, laboratory services, training and software development.

ioMosaic is an integrated process safety and risk management consulting firm focused on helping you manage and reduce episodic risk. Because when safety, efficiency, and compliance are improved, you can sleep better at night. Our over 300 years of combined industry expertise allow us the flexibility, resources and capabilities to determine what you need to reduce and manage episodic risk, maintain compliance and prevent injuries and catastrophic incidents.

Our mission is to help you protect your people, plant, stakeholder value, and our planet.

- Auditing
- Chemical reactivity management
- Combustible dust hazard analysis (DHA) and testing
- Due diligence support
- Effluent handling design
- Pressure relief and flare system design
- Facility siting
- Fire and explosion dynamics
- Incident investigation, litigation support, and expert witness
- Liquefied natural gas (LNG) safety
- Pipeline safety
- Process engineering design and support
- Process hazard analysis (PHA)
- Process safety management (PSM)
- Quantitative risk assessment (QRA)
- Risk management program development
- Structural dynamics
- Training
- Software solutions
  - Process Safety Enterprise®
  - Process Safety Office™

For more information on ioMosaic, please visit: [www.ioMosaic.com](http://www.ioMosaic.com)