

FOCUS ON THE BIG PICTURE BY AGGREGATING HISTORICAL PHA DATA FOR MACRO-LEVEL ANALYSIS

# WE'RE CHANGING THE GAME

#### How consistent are your PHA's for:







DO THEY HAVE SIMILAR Causes, consequences, or risk levels?

THE SAME

**PROCESS?** 

PHA Central<sup>™</sup> enables you to answer
 these questions by addressing the
 structure and accessibility
 limitations of current
 PHA data:

# PRODUCT FEATURES

- Categorization Approach Allows for Robust Comparison & Analytics at a Macro-Level
- Easily Generate and View Risk Profiles & Matrices
- Flexible Enterprise Deployment
  Options (Cloud or Onsite)
- Unlimited Users with Controlled Data
  Editing Access
- Import Support for Historical PHA File Formats

2. Consistency allows for Analysis

3. Analytics direct and support Decisions

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## VALUE PROPOSITION OF PH▲ CENTRAL<sup>™</sup>

PHAs are the petrochemical industry's primary and most comprehensive method to identify and mitigate process-based risk.

While there are many PHA facilitation and data management software options, PHA Central<sup>™</sup> is the only advanced PHA data analytics solution that combines multiple PHA data sets into a categorized database with built-in analytics tools.

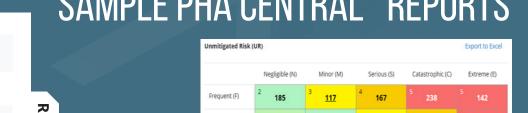
PHA Central<sup>™</sup> aggregates all PHA data into one system and allows users to:

Overall – Corporate Risk Profile

- Create PHA data consistency which allows for accurate, meaningful comparisons
- > Enable better investment stewardship based on risk by preventing overand under-mitigation
- > Provide accessible, actionable PHA data analysis for smarter. faster decision making

Retain current PHA system customizations

- **Capture Historical** Industrial Knowledge in a Usable. Accessible Interface
- > Enjoy Simple Enterprise-Level Implementation with Software Support
- > Import Support for All **Historical PHA File** Formats on the Market



| Unit 1 | Risk Pr | ofil | е   |   |      |          |
|--------|---------|------|-----|---|------|----------|
|        | URV     |      | MRV |   | RRV* | R        |
|        | 2.0     | •    | 1.4 | = | 0.6  | RISK     |
| Unit 2 | Risk Pr | ofil | e   |   |      | PROFILES |
|        | URV     |      | MRV |   | RRV* |          |
|        | 3.4     | -    | 1.9 | = | 1.5  | LES      |

1.7

1.0

### SAMPLE PHA CENTRAL<sup>III</sup> REPORTS

| Occasional (O)    | <sup>1</sup> 233 | <sup>2</sup> 183 | <sup>3</sup> 313 | <sup>4</sup> 460 | <sup>5</sup> 259 |
|-------------------|------------------|------------------|------------------|------------------|------------------|
| Remote (R)        | <sup>1</sup> 24  | 1<br>13          | <sup>2</sup> 12  | <sup>3</sup> 50  | <sup>4</sup> 22  |
| Improbable (I)    | 1 0              | 1 0              | 1 0              | <sup>2</sup> 0   | <sup>3</sup> 0   |
| Extr. Improb. (E) | 1 0              | 1 0              | 1 0              | 1 0              | 2 0              |

#### **SCENARIO DISTRIBUTIONS**

