



## The Problem

- ER Expertise is not always available or is expensive to keep available 24-hrs a day.
- ER Decisions must be made under pressure; missing even a single factor could be disastrous.
- Employee turnover results in the constant need to train new people in Incident Command and ER issues.
- High-level expertise is needed to augment the knowledge of junior ER personnel.
- ER factors are constantly changing; it is very hard for a person to keep on top of them all and make consistently accurate decisions.
- Retirement or turn-over of senior ER managers makes capturing and preserving their expertise very important for the company.

## What is PlantSafe/TeleSafe?

- Client/Server
- Emergency Response Decision Support System
- Real-Time Expert System
- Advisory to Incident Command Team
- Automated Emergency Notification System
- Connects to Distributed Control Systems (DCS)
- Part of Plant Security
- Realistic Computer-Based Training

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## Unique PlantSafe NT Features

- . Expert Rules Base
- . "Clickable Buildings" With Associated Databases and CAD files
- . Performance Timeclocks
- . Training Simulation Mode
- . Autopage (Alphanumeric) from sensor activation
- . Custom Report Generator-Autologging feature
- . Instant Access to Database files on network
- . GeoSphere Provides Automatic Updates of Industry Standards/Rules Base

## Materials Needed for PlantSafe Implementation

Area GIS  
Maps/AutoCad  
Diagrams, etc.

MSDSs

Notification Lists

Emergency Response  
Plans and Procedures

- Response Time  
Performance Limits
- Emergency  
Operations  
Procedures
- Checklists for ICS  
Members

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## Key Benefits

- **Computerizes Incident Command Functions**
- **Preserves Scarce Human Expertise in ER**
- **Makes High-Level ER Expertise and Company Rules Available to ER Staff Night and Day**
- **Improves Consistency and Accuracy in ER**
- **Provides Realistic On-Site IC Training at Lower Costs**
- **Provides Expert Advice to Multiple IC Members, Simultaneously**
- **Reduces Notification and IC Response Times**
- **Improves Public Trust**

## PlantSafe Locations

- Dow Freeport, TX
- DuPont, Orange, TX
- Exxon, Baton Rouge
- Rhone Poulenc,  
Freeport, TX
- Rhone Poulenc Rorer,  
Collegeville, PA
- PPG La Porte, TX
- . Bristol-Myers Squibb,  
Stamford, CT
- . Rohm and Haas  
– PA, KY, France
- . Polaroid, Waltham, MA
- . Hoechst, Germany
- . Zeneca (three  
locations)

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