

DISASTER CONTINGENCY SYSTEMS

Disaster Contingency Systems



Background & Demand Analysis

Natural Disaster



Major Event



Information Island

Data often belong to different government departments or enterprises, which forms the information islands.

Inefficient Communication

Some organizations are still using outdated communication or management methods which will lead to incomplete and un-timely delivery of information, which affects incident handling.

Big Data

When faced with massive amounts of data, it is relatively inefficient to rely solely on human resources for investigation and retrieval, and it is difficult to discover the truly important data.



System Introduction

Across Software System-Data Fusion Services

Based on existing data sources for various applications

Don't affect the independent operation and development of the original systems, but only participates in the guidance of data interaction standards

The data of emergency management system application is sorted out to realize normal

business application of emergency management and reduce costs

To provide integrated services for the application platform of the emergency management system and realize the comprehensive interconnection platform architecture

Monitoring & Early Warning

Disaster prevention and relief, fire management, forest fire prevention, flood prevention and a series of emergency management work into the whole supervision system.

Command & Control

Build system covering the whole process of emergency rescue and disposal to realize the rapid response to accidents and disasters and the efficient emergency command

Government Affairs Management

Build an "Internet + Government Services" business system. Realize the information transformation and upgrading of the report and complaint, administrative office, publicity, financial management and other government affairs



Supervisory Management

Comprehensive risk assessment is carried out through the monitoring and early warning system of production safety risk, natural disaster, fire, etc.

Decision Support

Use big data and AI technology to propose dispatching and command proposals, and assist leaders to make scientific and reasonable command decisions.

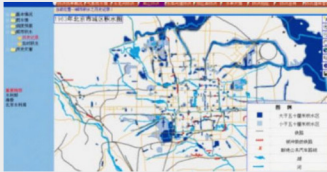
Intelligent Emergency Business Application Capability

Emergency Exercise

- Emergency Plan
- Simulation Exercise
- Simulation deduction

Decision Support

- Accident Consequence simulation
- Path navigation Planning
- Surrounding Environment Analysis
- Case Query



On-duty Monitoring

- Accident Taking
- Accident Confirm
- Accident Report

Command & Control

- Real-time Communication
- SMS Notification
- Command Delivery
- Video Conference

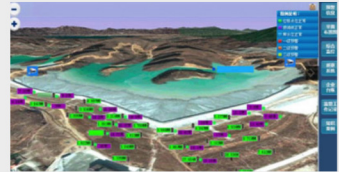


Accident Analysis

- Accident Information
- Enterprise Information
- Disposal Measures

Event Evaluation

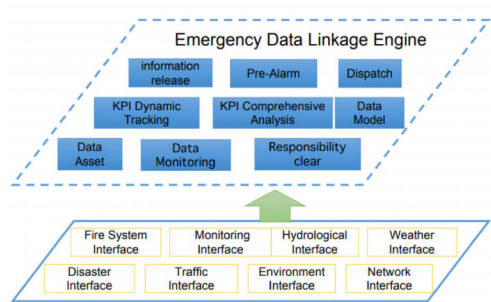
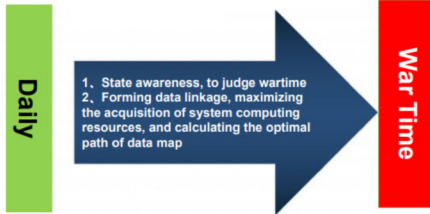
- Assessment Report
- Incident Tracking Log
- Accident Filing Statistics



Data Governance Capability





Data assets:

1. Emergency data identification
2. Emergency Response Plan
3. Emergency Case
4. Emergency Resources



Solution Architecture

Place

 Command Room
  Consultation Room
  Duty Room
  Command Vehicle

Support System


 Network System
  Video Conference
  Image Access
  Multimedia System
  Communication System
  Data Exchange



Data Service




 Network Management Data
  Database
  Hadoop

 Signaling Data
  Plan Base/Knowledge Base/Case Base...

Command System


 Duty Management
  Emergency Exercise
  Command & Control


 Pre-Alarm
  GIS Display
  Real-time Video


 Plan Management
  Resource Management
  Big Data Analysis

Terminal

 Radio
  Smart Phone
  Console
  Video Wall
  Satellite

 One-stop solution to help customer solve end to end problem

 Whole proof data governance services

 Safe and convenient resource sharing service

 A full range of data display and analysis services

 Converged platform provides diversified communication methods

Business Flow

For peacetime monitoring and early warning, training and exercise, wartime decision support, command rescue, post-war risk assessment of emergency life-cycle management.

Before

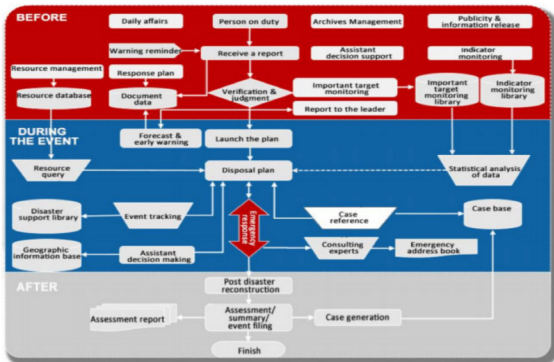
- Data monitoring
- Plan configuration
- Statistical configuration
- Simulation exercises

During

- Pre-Alarm
- One-page
- Decision Support
- Convergence Communication
- Dispatching

After

- Event Recording
- Summarize case
- Upload Report



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