GIS-based Fire Safety Management System
&
Overall Fire Safety Management System
1 Necessity

**Simple Information**
The GIS and Drawing is too simple to manage the information:
- Fire Inspection
- Fire Suppression
- Fire Evacuation
- Fire Drill

**Low-Efficient**
- Three-ring binders
- Cards
- Easy to fake and difficult to track, census and evaluate

**Unclear Responsibility**
- Responsibility chain unclear
- AHJ ≠ God
- No fire safety big data for decision
2 GIS contents

- 2.1. for inspection mainly
  - Campus, Building
2 GIS contents

• Floor

• Inspection point
  • A zone of inspection, includes all facilities need to be inspected in the zone.
2 GIS contents

- Facilities
  - Fire Safety
  - CCTV
  - IR
  - Door Access Control
2 GIS contents

• 2.2 for evacuation
  • exit
2 GIS contents

- exit access
2 GIS contents

- 2.3 3d
2 GIS contents

• 2.4 Fire control
  • Water pipe
  • Pump Position
3.1 Person management
- Operator on duty

- Inspection
  - Facilities check items (NFPA 10, 25, etc)
  - Plan
  - Record any corrections/updates
  - Maintenance
  - Repair/Renewal
3 Overall Management

• fire suppression
  • Facilities status
    • Water Pressure
    • Tank Water Level
    • Extinguisher status

• Evacuation
  • Plan
  • Exit Route
  • Drill
3 Overall Management

• 3.2 Facilities management
  • GIS-based management
  • Facilities statistics and search
  • Facilities reminder upon expiry
3 Overall Management

• 3.3 Event and process management
  • Alarm and its process
  • Fault
  • Repair process
  • Maintenance process
3 Overall Management

3.4 Risk source
- Electric appliances
- Inflammable
- Radioactive source
4 Benefits

**Precise, Visual**
All Data and GIS-based
Visualize:
- Fire Inspection
- Fire Suppression
- Fire Evacuation
- Fire Drill

**High-efficient**
Data Process, Mobile handling,
Support Internet and IoT (Internet of things)

**Free-from-Responsibility**
Responsibility Chain
Clear with department and role,
Based on fire safety Data
More fairly
See something, Say something!

THANKS

Lisa Ma
Marketing
lisama8173@gmail.com
(571)723-5605

Colin Qiu
CTO and Sales Manager
Colin_giu@hotmail.com
(+86) 186-0588-7586(WhatsApp)