
**Brown University
Fire Safety Office
Fire Extinguisher
Management System**



**Paul Brookes
Assistant Fire Safety Officer**

Challenges

- Brown owns approximately 230 buildings
 - A building may contain as few as 3 or as many as 200 fire extinguishers
 - We had limited info about the location, type, age and inspection history of any fire extinguisher
 - Were appropriate extinguishers mounted in proper locations
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Maintenance Issues

- Extinguishers need monthly visual checks
 - Extinguishers require annual inspections
 - ABC extinguishers need 6 year maintenance
 - Tanks need 12 year hydrostatic testing
 - Extinguisher alarms need battery checks
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Building a Database

- Identify appropriate mounting locations
 - Building
 - Floor
 - Location (hall, room, lab, mechanical space, etc.)
 - Identify extinguishers
 - Type (ABC, Water, CO₂, Halon, Class K, etc.)
 - Size (5lb, 10 lb, 6 Liter)
 - Track Inspections
 - Last annual inspection date
 - Required 6 year maintenance date
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Hardware

- Compatible with the PC's in the office
 - Handspring Visor – Palm operating system
 - PSC Momentum Bar Code Scanner Module
 - Dymo LabelWriter 330 printer
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Software

- We had kept extinguisher records in an Excel spreadsheet
 - We use Filemaker Pro for all database applications
 - **Handbase** database software from DDH software – available for Palm operating system
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Cost

**PSC Bar Code Scanner
\$195**



Dymo LabelWriter - \$180



Total: \$625

**Handspring Visor
\$200**



Handbase Database Software - \$50