



When every minute really counts...



With average high risk property loss rates during fires of up to £4 200 per minute Gloucestershire Fire and Rescue Service (FRS) has used mapping from Ordnance Survey in their operational risk plans to assess and respond to incidents more quickly.

The Challenge

Gloucestershire FRS needed to create no nonsense, easy to follow

risk document for fire crews to use on route and at the scene of an operational incident. Faster assessment and control at an incident will lead to lower costs of resultant damage and reduce the threat to life.

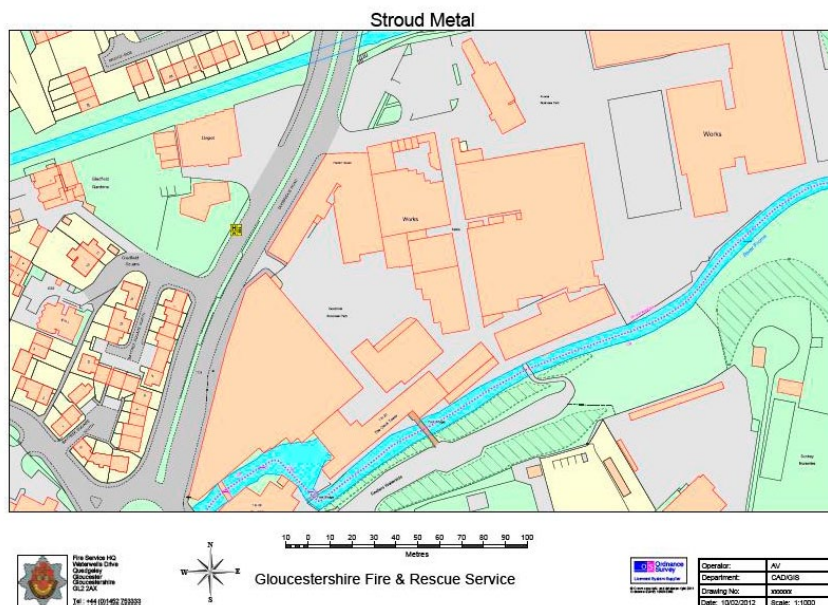
Each station across Gloucestershire had developed a top ten list of fire-fighter risk properties and over the last eight years this information has been enhanced to provide a comprehensive detailed knowledge of

over 300 properties within the county. All properties require a site plan and top and high risk properties have a detailed computer-aided design (CAD) plan.

However, many site plans were basic and containing little or no mapping detail and needed to be updated to provide something clear and concise that operational fire-fighters could look at and understand immediately and use at the beginning and through the course of an incident.

The Solution

Gloucestershire FRS has used detailed mapping data from Ordnance Survey (including OS MasterMap® Topography Layer) to produce a series of operational risk card that contain comprehensive information on all fire-fighter risk properties. Hazards can be easily, quickly and clearly identified together with isolation points and fire-fighter aids. An easy to follow OS MasterMap Topography Layer site plan is used to show the key premise information, coupled with highly detailed CAD plans that assist in an operation from the crews' arrival at the incident.



OS MasterMap Topography Layer provides a clear overview.

The implementation of mobile data terminals on each appliance, also using Ordnance Survey mapping, has

allowed this information to be linked to detailed CAD plans for each individual property within the risk database.

The Benefits

- Detailed site plans enable crews to deal with incidents more quickly reducing risk to life and property.
- Hazard identification enables better informed decisions at the incident reducing the risk to personnel.

'The detailed mapping that the OS MasterMap Topography Layer brings us and the ability to export this to .dxf format for work within our CAD software has given us a risk document that is second to none. Also the ability to include the documents within the MDT's has given us the ability to arm our fire-fighters with the necessary information they require to keep them safe on site.'

Ade Viner, CAD/GIS Survey Technician for Gloucestershire Fire and Rescue Service

Data products used:

- OS MasterMap Topography Layer
- OS VectorMap® Local
- 1:50 000 Scale Colour Raster
- 1:250 000 Scale Colour Raster

07/111		Stroud Metal Company Ltd		p208	Factory - Engineering	2xWRL	SECURITY	CCTV <input type="checkbox"/>
		Dudbridge		B5				
		Stroud						
		Gloucestershire						
		GL5 3EZ						

Building Construction 1850

ASBESTOS:
Small amounts in rest area (cement sheets) & o/s cladding

ROOF:
Sheet - Tiles - Burn out panels - Panels - Fire Blocked - Lightweight Supports - Unprotected

INTERNAL:
UNPROTECTED Steelwork: Columns & Beams

OTHER:
NAMOS site
High storage racking in warehouse bldg
Compressed Air @ 100 PSI
Noise levels within factory & exposed machinery.

G+1

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Level	Pro	Mob	UN	Product / Hazard Name	Firefax Info		Qty/Temp	Fixed Installations	Environment
					EAC	APP			
3	G	L	P	1268	Various Lubricating Oils	3YE	1800L	Fire PANEL Location: Main Reception Area. Manual system <input type="checkbox"/>	DRAIN covers marked BLUE/RED INTERCEPTOR Water Provider = Severn Trent Spill/Runoff may affect: River/Chem spills contained in bunds or enter efflu tank <input type="checkbox"/>
9	G	S	F		750V Buzzbars	OPS2/026			
9	G	L	F	3082	Liq Compound 0C860/Chlor paraffin	2X	400L		
6.1	G	L	P	1897	Perchloro-ethylene	2Z	410L		
2.2	G	G	P	1956	Coogar/Argon	OPS2/032	1no		
3	G	L	F	1223	Kerosene	3Y	200L		
3	G	L	P	1268	Waste Oil	3YE	2000L		
2.1	G	G	P	1978	LPG/Propane	OPS2/032	8no		
Operational Considerations Access concerns at weekend (locked gates) <input type="checkbox"/>									

HYDRANTS: 75mm Dudbridge Road, Opposite Factory - 2 Lengths **STREAM/RIVER:** Seasonally affected Location Rear of premises Distance 2 lengths Access via Main Pump ☐

Risk card contains comprehensive information on risks to fire-fighters.

General information

www.ordnancesurvey.co.uk/contactus

General enquiries

+44 (0)8456 05 05 05

Textphone

+44 (0)23 8005 6146

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