

SPATIALI – ENGINEERED TO SUCCEED

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spatialisation



EASTLINK (\$2.6 BILLION 2005)

45KM OF ROADWAY

7 MILLION CUBIC METRES OF EARTHWORKS

1.1 MILLION TONNES OF PAVEMENT

500 UTILITY RELOCATIONS

17 MAJOR INTERCHANGES

88 BRIDGES

TWIN 1.6KM LAND TUNNELS



AIRPORT LINK (\$4.8 BILLION 2008)

17 ROAD HEADERS

2 LARGEST TBM'S IN AUSTRALIA BORING 15KM UNDER INNER SUBURBS

10.5 M TONNES OF SPOIL

25 NEW BRIDGES

35,000 DRAWING PACKAGES

1 MILLION COMMUNITY NOTIFICATIONS ISSUED



VICTORIAN DESALINATION PLANT (\$3.5 BILLION 2009)

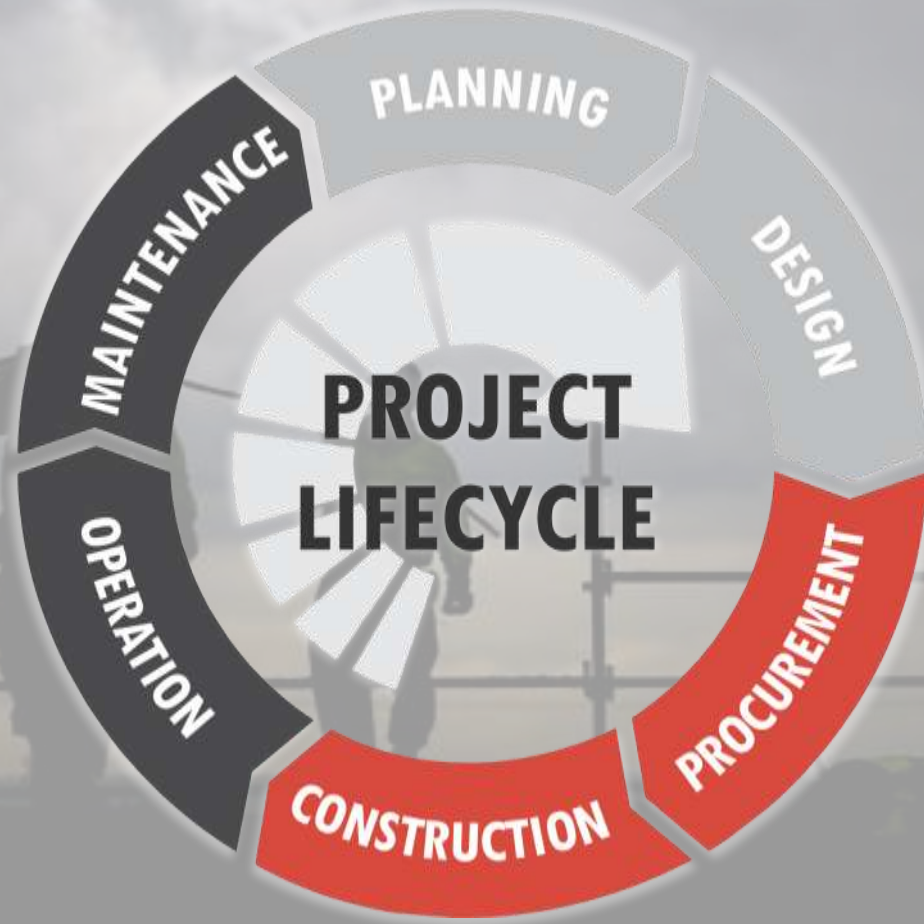
84 KM WATER TRANSFER PIPELINE

87 KM ELECTRICAL SUPPLY

1200 KM ELECTRICAL CABLING

4500 WORKERS AT PEAK

29 BUILDING STRUCTURES



ALL DATA HAS A SPATIAL LOCATION



ROLE OF SPATIAL IS TO

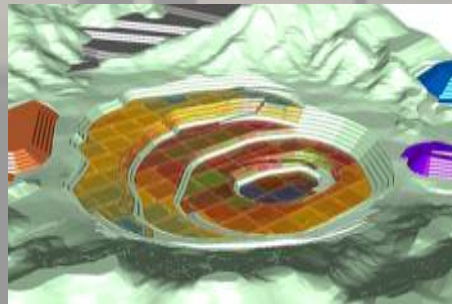
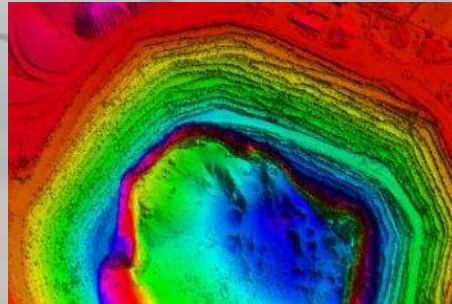
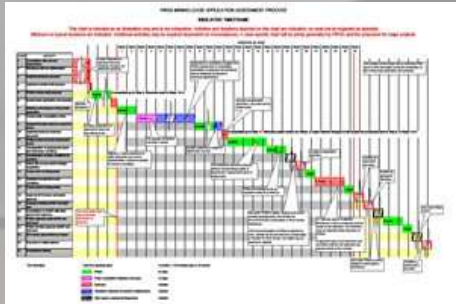
- **PROVIDE A SPATIAL DATA PLATFORM TO GEO-ENABLE BUSINESS**
 - **REMOVE THE SILOS & REPAIR THE DISCONNECT**



IMPROVE BUSINESS OUTCOMES



CONSIDERABLE AMOUNTS OF DATA & INFORMATION





PROPERTY & LAND



STAKEHOLDER & COMMUNITY





ENVIRONMENT & SUSTAINABILITY

An aerial photograph of a large highway interchange under construction. The image shows multiple levels of concrete overpasses and ramps, with some sections still in the dirt phase. There are several construction vehicles, including cranes and trucks, scattered across the site. A semi-transparent dark grey horizontal band is overlaid across the center of the image, containing the text 'PLANNING & SCHEDULING'.

PLANNING & SCHEDULING

An aerial photograph of a large highway interchange under construction. The image shows multiple levels of concrete overpasses and ramps. A semi-transparent dark grey horizontal band is overlaid across the center of the image, containing the text 'CONSTRUCTION & MONITORING'. The word 'CONSTRUCTION' is in white, and '& MONITORING' is in red. The background shows dirt construction sites, parking lots with cars, and some residential buildings in the distance.

CONSTRUCTION & MONITORING



QUALITY

A yellow Volvo mining truck is parked on a dirt road. In the background, a worker wearing a hard hat and high-visibility vest stands near some vegetation. The scene is set in a dry, open landscape under a clear sky. A semi-transparent dark banner is overlaid across the middle of the image, containing the text 'HEALTH & SAFETY'.

HEALTH & SAFETY



UTILITIES & SERVICES

TRANSPORTATION & TRAFFIC

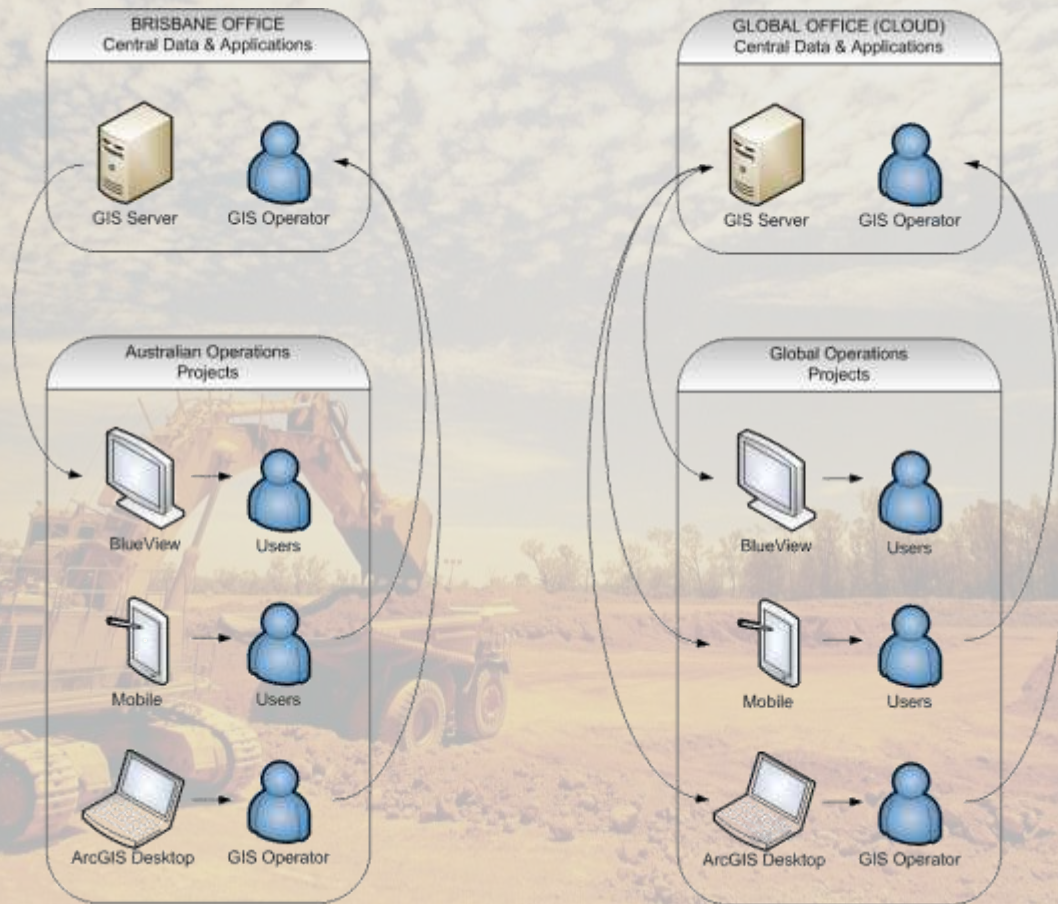


An aerial photograph of a large-scale industrial construction project. The central focus is a large, circular building with a dark, curved facade, currently under construction. Surrounding this central structure are various construction materials, including large stacks of lumber and metal beams. In the foreground, there are several white storage containers and a paved area with some vehicles. The background shows a large, excavated area of earth, suggesting a significant earthmoving project. The overall scene is one of active industrial development.

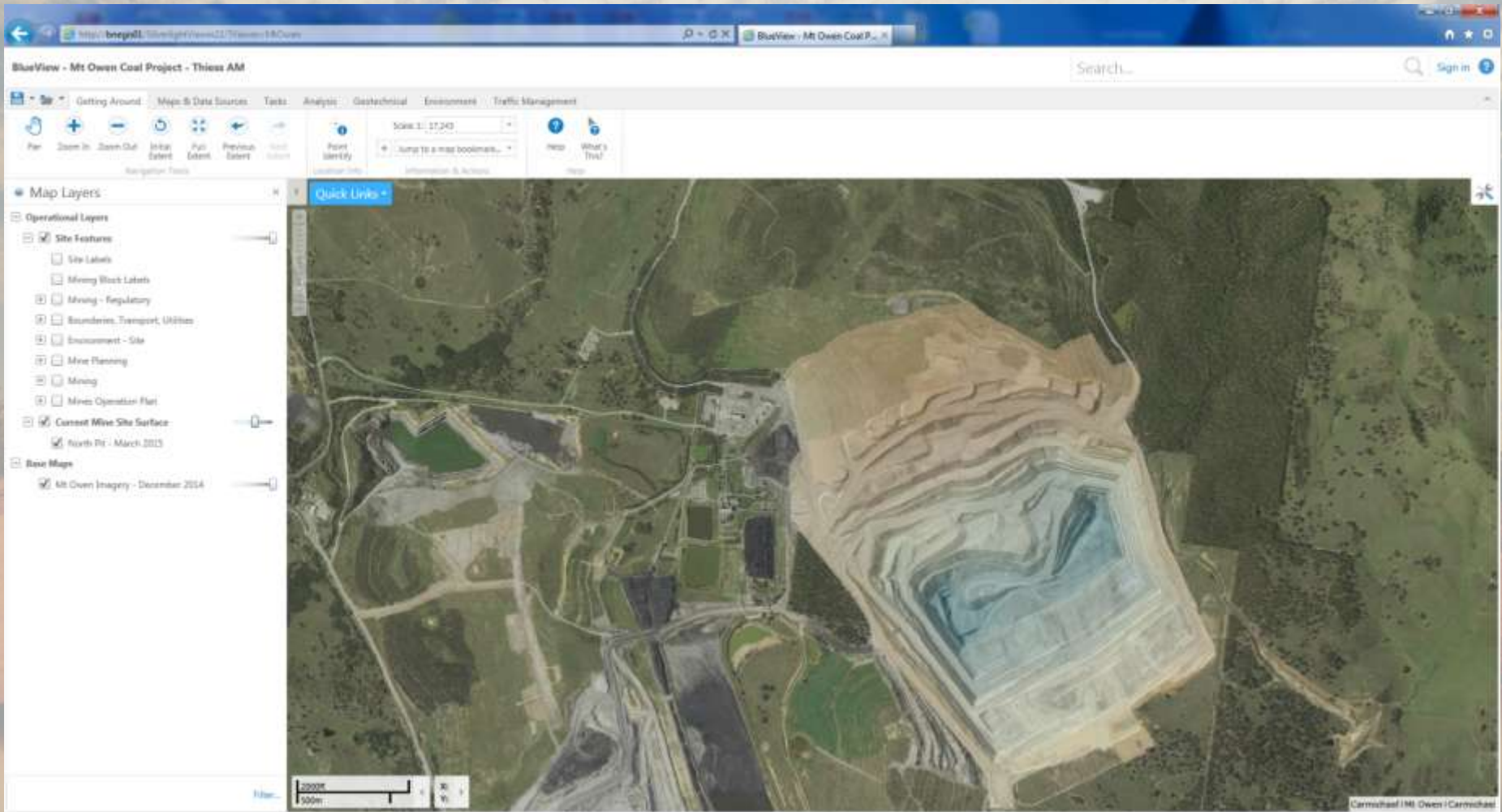
ASSETS & FACILITIES

COMPLETION & HANDOVER

DELIVERY REQUIREMENTS



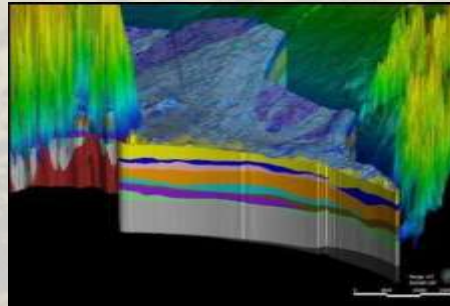
MAP VIEWER



SPATIALI TECHNOLOGY FOCUS



ASSET MANAGEMENT



MODELING



UAV LASER SCANNING

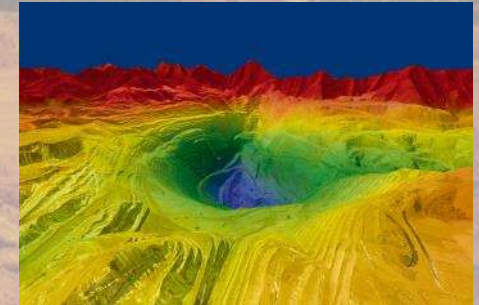
MOBILISATION



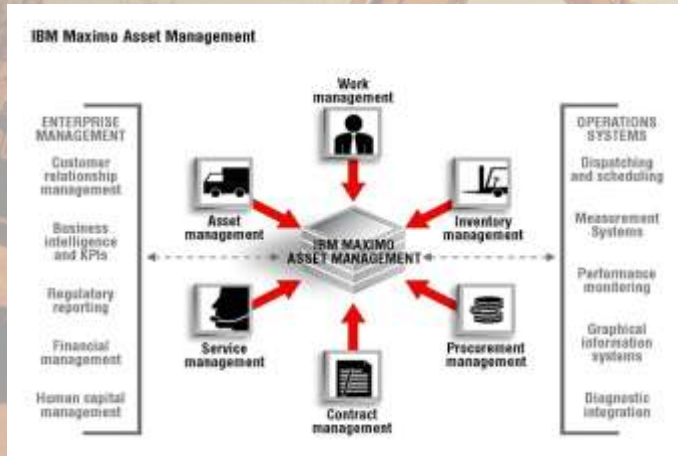
ACTUALISATION



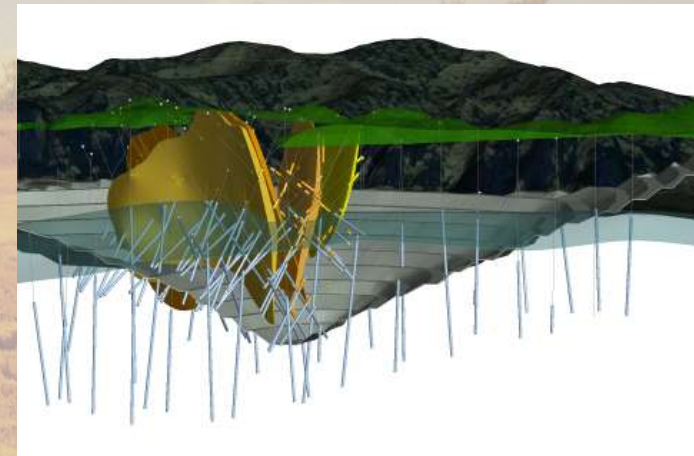
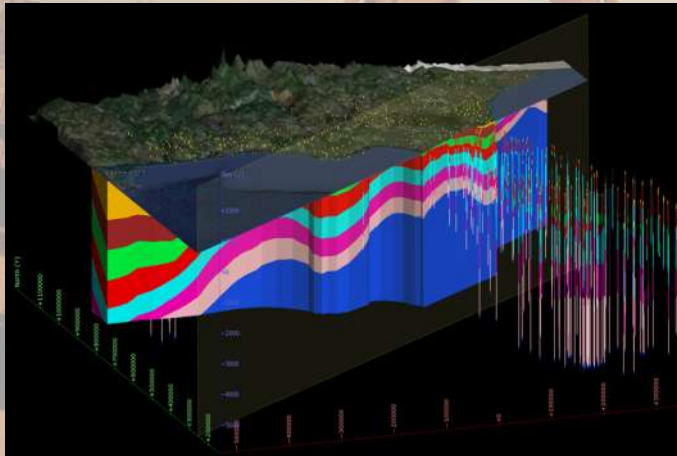
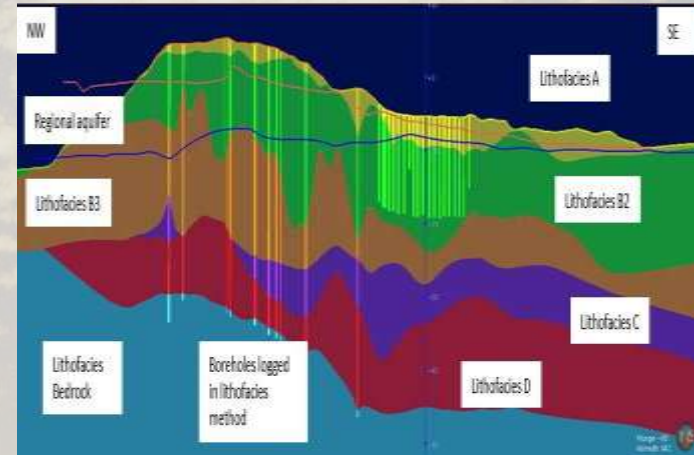
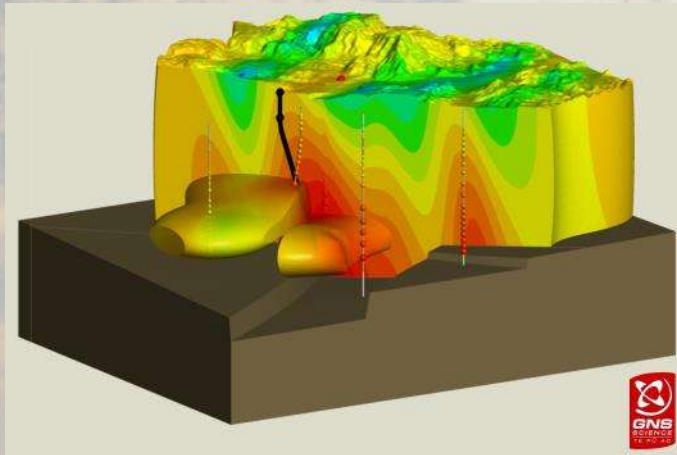
GIS ENHANCEMENTS



ASSET MANAGEMENT



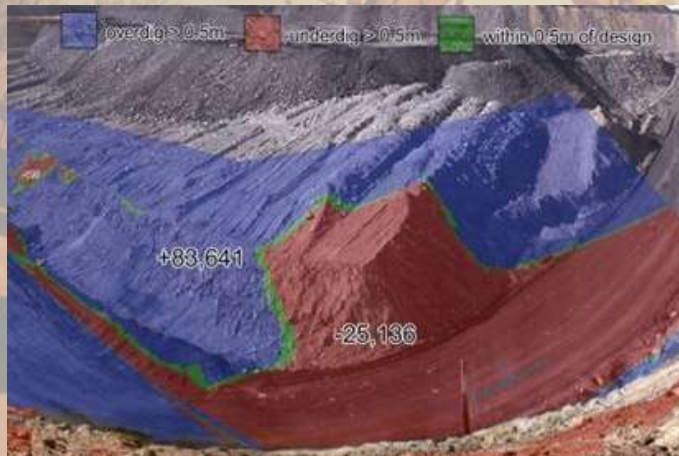
MODELING - LEAPFROG 3D



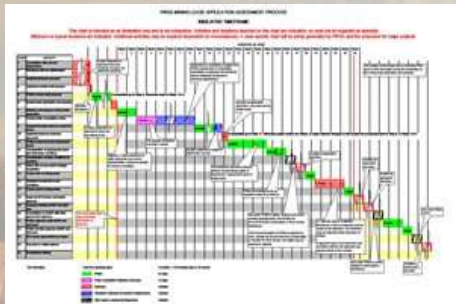
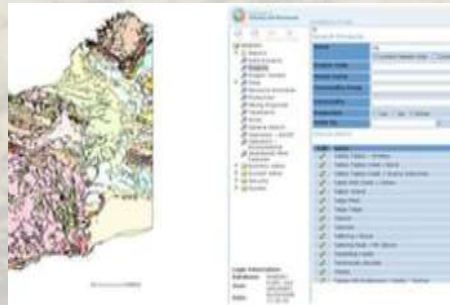
UAV LASER SCANNING



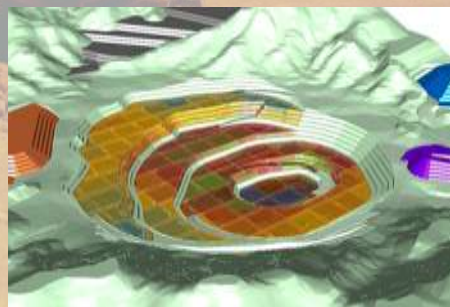
MOBILISATION



ACTUALISATION - OPERATIONS



COMMON OPERATING PICTURE



GIS ENHANCEMENTS - DASHBOARD VIEWER

OH&S Report Viewer

Display Incidents that match the following selected conditions:

- Show Incidents After:
- Show Incidents Before:
- Severity:
 - Significant Incident
 - Low
 - High
 - Emergency
 - Controlled
 - Upgradable
 - Customer Outings

City: North Year: 2000
 City: North Year: 2000

Apply Filter

Year	Deaths	All gas companies	All industries
2000	1.07	0.77	1.77
2001	1.08	0.74	1.76
2002	0.71	0.71	1.65
2003	0.78	0.78	1.65
2004	0.76	0.76	1.60
2005	0.76	0.76	1.60
2006	0.57	0.57	1.60
2007	0.57	0.57	1.60
2008	0.57	0.57	1.60

Month	Count
Jan	1
Feb	2
Mar	3
Apr	4
May	5
Jun	6
Jul	7
Aug	8
Sep	9
Oct	10
Nov	11
Dec	12

Incidents:

Severity	Incident Date	Incident Time	Report Date	Report Time	Site	Zone	Description	Details	Author	Priority	Work	Control	Risk Assessment	Standard Procedure
Significant Incident	20/12/00	4:30 AM	20/12/00	5:22 PM	Reynold Company Buildings east	017	017	017	017	Emergency	Controlled	Controlled		
Significant Incident	20/12/00	4:30 AM	20/12/00	5:22 PM	Reynold Company Buildings east	017	017	017	017	Emergency	Controlled	Controlled		
Significant Incident	1/1/01	2:30 AM	08/12/00	11:54 AM	Reynold Company Buildings east	017	017	017	017	Emergency	Active	Controlled		
Significant Incident	1/1/01	4:30 AM	08/12/00	11:55 AM	Reynold Company Buildings east	017	017	017	017	Emergency	Active	Controlled		
Significant Incident	22/10/00	9:30 AM	08/12/00	10:42 AM	Reynold Company Buildings also Market St's	Reynold Company	Controlled	Controlled	017	Emergency	Active	Controlled		
Significant Incident	1/1/01	4:30 AM	08/12/00	11:55 AM	Reynold Company Buildings ...	017	017	017	017	Emergency	Active	Controlled		
Significant Incident	1/1/01	4:30 AM	08/12/00	11:55 AM	Reynold Company Buildings ...	017	017	017	017	Emergency	Active	Controlled		

BENEFITS OF **WHERE**

SHARE DATA

MAKE BETTER DECISIONS

“BETTER INFORMATION LEADS TO BETTER DECISIONS”

IMPROVE ORGANIZATIONAL SYSTEMS INTEGRATION

IMPROVE MANAGEMENT ORGANIZATION AND RESOURCES

TOOLS TO VISUALISE, ANALYSE, AND CAPTURE DATA

A PICTURE IS WORTH A THOUSAND WORDS

ACCESS TO ACCURATE AND TIMELY INFORMATION
PRODUCTIVITY IMPROVEMENTS & EFFICIENCY GAINS
TIME REDUCTION TO LOCATE AND COLLATE INFORMATION
DATA COLLECTION VALIDATION
POWERFUL MANAGEMENT TOOL
REPORTING CAPABILITIES
SYSTEMS INTEGRATION

THANKYOU

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