

POSITIONAL INTELLIGENCE FOR UNDERGROUND ASSETS



AltoSUE Subsurface Utility Engineering in the cloud

Product Features and Benefits

- Positional Intelligence for SUE assets leads to safer works
- Map or site plan views enhance management of underground assets
- SUE data is quickly updateable and accessible – improving onsite works
- Improve pre-site planning
- Track onsite works progress
- Record ad hoc incidents on site.
- Access when you want - where ever you are
- Cloud based – saves IT costs and resources

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Positional intelligence for underground assets enables you to know what underground assets are present at a particular location and to access information about those assets – such as their attributes, photographs, drawings, etc.

Site managers, asset owners and contractors need accurate and up to date positional intelligence to create a safer working environment; reduce service strikes and improve operational efficiency.

Knowing precisely where assets such as water, gas, electrical and fibre optics are located minimises the likelihood of service strikes while improving the effectiveness of installation and maintenance works.

Studies have shown that improving subsurface utility engineering information can deliver a RoI from x3 to x20.

Business Needs

Organisations owning or working on underground assets face the challenge of how to:-

- Improve site safety
- Reduce service strikes
- Reduce dry digs
- Minimise the extent of excavations to reduce costs
- Quickly locate buried assets to reduce costs, minimise time onsite and reduce disruption to the public and local businesses
- Protect brand reputation at risk from disruptive works

Meet these challenges with the positional intelligence that AltoSUE™ provides for your underground assets.

Positional intelligence which provides as-built, as-maintained underground asset data complemented with other corporate information.

How AltoSUE Works

Underground assets are overlaid on CAD site survey plans. Share this data with partner organisations to protect your assets. Associate additional information such as drawings, models and other record types for on and offsite management purposes.

Displaying data on map backgrounds provides added visualisation and co-ordination benefits. Integrate underground data into corporate GIS/Asset Management systems.

Record asset location and attributes using other methods such as geo-tagged photographs where the precision of RFiD tags is not required.

Access accurate and up to information in the office improving pre-site planning activities. Identify when, where and what work has been undertaken onsite - an audit trail of activities.

RFiD tag difficult to relocate underground assets such as plastic pipes and fibre optics and/or valves and potential points of failure such as joints. Record attributes such as asset type, depth and material including photographs. Designed for quick, easy and efficient use.

Display asset data on mobile devices and use a locator to home in on RFiD tagged assets. Asset data is delivered directly to site - virtually opening up the ground beneath the operator's feet - creating a safer working environment, reducing accidental strikes and more efficient working - reducing costs and increasing profitability.



Product Features and Benefits

Use passive RFID markers and / or geo-tagged photographs	Flexible approach to meet accuracy and risk mitigation required
	Reliable and accurate relocation of tagged assets – reducing time on site, reducing works costs and improving onsite safety
Mobile access to data and passive RFIDs provide 'spade width' relocation accuracy	Safer working
	Reduced costs - 'key hole' excavations
Manage linear, point and polygon assets	Pipes, cables and fibre optics etc
	Specific points – e.g. valves, joints
	Areas of interest e.g. extent of survey
Use near surface RFID's and fixed visual reference points for survey measurements	Provides an accurate datum for measurement
	RFID readers become optional
Geospatial management via maps and site plans	Better decision making and intuitive understanding of data context
Manage multiple sites with quick and easy set up	Allows co-ordinated management
	Facilitates use even on short term sites
User security	A secure logon maintains the confidentiality of your site data
Track onsite work	Health and Safety, quality and project management staff can access works
	Receive notifications of project delays / issues
	Track work in progress
Associate defects and incidents with an asset	Record onsite while laying services or during maintenance works
	Track within AltoSUE or export to corporate systems for processing
Integrate to asset, maintenance and GIS systems	Derive added value from your AltoSUE data

Commercial Features and Benefits

Cloud based managed service	Saves internal IT costs and resources and provides easy scalability
	AltoSUE is managed for you so you remain focused on your business
Subscription License (pay as you go)	Flexible term subscriptions are renewable as required. No extended tie-ins
Modular Pricing	Only license the functionality you require enabling you to link expenditure to derived benefits. Scale up if and when required
Rapid go live	Delivers an early Return on Investment.



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