

Singleton Birch Quarry - 2N IP Force Intercoms

Leading commercial lime & chalk products provider - Singleton Birch - chooses 2N IP Force Intercoms from stone quarry access control.

Location: North Lincolnshire
Client: Singleton Birch Ltd
Integrator: Alert Systems

Client:

Singleton Birch is a leading provider of lime, chalk and aggregate materials to the steel, building, chemicals and environmental industries. From its North Lincolnshire-based quarry site, the company produces up to 400,000 tonnes of lime and more than 1,000,000 tonnes of chalk each year.

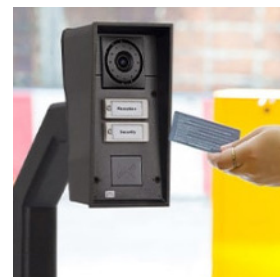
System Requirements:

With multiple entry and exit points for constant heavy haulage traffic, the Singleton Birch quarries site required an intercom and access control system which would stand-up to the rigors of such a high-impact environment.

Not only did the system need to be extremely durable to contend with the environmental demands, it also needed to perform in extreme ambient noise conditions to ensure that drivers and visitors can hear and be heard over the intercom.

The Solution:

In conjunction with CIE's specialist 2N Intercom system design team, security integrators Alert Systems specified and installed an IP-connected Intercom and Access Control System utilising the 2N range of IP Force robust intercom units - arguably the toughest, most



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durable intercoms devices in today's market.

Various 2N IP Force Intercom models were specified to service the differing access and authentication requirements of different areas - including vehicle barriers, weigh stations and staff entry/exit points. The Force models allowed different access authentication types including contactless RFID cards, PIN access codes and intercom video calls to speak with the security office.

Being an IP-based system, all endpoints are connected via standard Ethernet cable infrastructure and - as the system supports PoE (power-over-Ethernet) - this significantly reduced the cabling and installation costs of connection throughout the site.

As the vehicle entry points are used both by haulage trucks and staff cars, the intercom system required dual height positioning. Therefore, a series of dual-position gooseneck stands were applied to locate the Force Intercoms at the two different required door heights.

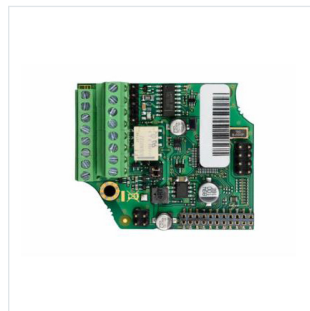
Product:

- 10 x 2N 9151101RW Force IP Intercom | 1 call button, 10W speaker
- 14 x 2N 9151011 125KHz RFID Card Reader Module
- 2 x 2N 9151102RW Force IP Intercom | 2 call buttons, 10W speaker
- 2 x 2N 9151102CRW Force IP Intercom | Camera, 2 call buttons, 10W speaker
- 1 x 2N 9151101KW Force IP Intercom | 1 call button, keypad, 10W speaker
- 1 x 2N 9151101CRPW Force IP Intercom | Camera, 1 call button, 10W speaker
- 4 x 2N 9151005 Gooseneck Intercom Stand
- 4 x 2N 9151007 Dual Position Gooseneck Intercom Stand

Products used in this project



2N - 9151101KW IP Force Intercom
- 1 call button, keypad, 10W speaker



2N - 9151011 IP Force Intercom -
125KHz Card Reader



2N - 9151102CRW IP Force
Intercom - 2 call buttons, camera,
10W speaker



2N - 9151101CRP Helios IP Force - 1
button & camera, pictograms
card reader ready



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