

CASE STUDY



Solvay

Solvay is an advanced materials and specialty chemicals company, developing chemistry that address key societal challenges. Solvay products are used in planes, cars, batteries, smart and medical devices, as well as in mineral and oil and gas extraction, enhancing efficiency and sustainability.

Solvay is headquartered in Brussels with around 26,800 employees in 61 countries. Net sales were €10.9 billion in 2017. Solvay is a large consumer of energy and used over 36 million MWh of energy in 2017. The organisation has targets of reducing its consumption by 10% by 2020.

Solvay engaged Synetica to deploy enLink long range LoRaWAN wireless metering across one of its largest manufacturing plants in Birmingham, UK. The site electricity distribution is spread across 10 high voltage switch-rooms across the site and the only viable way to get real time energy consumption from all areas was to use wireless communications. The site presents significant barriers to wireless communications with its tangled web of metal pipes, tanks and framework. To make matters worse the switch rooms are metal cased buildings, normally a no-go for wireless, however Synetica’s enLink Modbus units worked flawlessly in all areas of the site with no repeaters and with just one wireless gateway.



CLIENT
Solvay

DELIVERABLES

Real Time Site Wide Electricity Monitoring

AWARDS & MENTIONS

- Winner of Michelin Supplier Award 2018 for supplier excellence in quality, innovation and corporate social responsibility.

Our comprehensive range of enLink wireless metering and enVision aM&T platform are used extensively across all education sectors from primary schools to Universities to help them to identify energy savings and produce automated bills and reports.