



Renewable Energy Solutions

ASEL offers a comprehensive range of cutting-edge products designed to ensure the safety and protection of your perimeter and premises. Our advanced temporary and permanent solutions and accompanying control equipment provide reliable security measures that can be quickly and easily deployed at your renewable energy site. Our aim is to protect property and assets in the toughest of environments, detecting and deterring individuals with the additional benefit of external speakers added to each platform, allowing our operators to engage with the suspect. If an individual is not deterred, our operators will contact the police and dispatch security resource to the site. With years of experience in the industry, our team of highly skilled professionals are committed to delivering state-of-the-art security solutions tailored to meet your unique needs. Whether it's a temporary event or a long-term project, we have a solution to match your needs.



Temporary Solutions

Our temporary CCTV installations enhance site security quickly and efficiently by deploying our security solutions that operate as standalone systems, utilising lithium batteries that provide the system with reliable and uninterrupted power without the need for external power or network connection.

At ASEL, we are committed to providing state-of-the-art rapid deployment security solutions for perimeter security. Our Wireless Alarm Site Protection (WASP) system includes wireless tag readers, external sounders, magnet seismic detectors, camera modules, blue LED strobes, pre-recorded audio, and LED floodlights that work seamlessly together to deliver comprehensive and reliable security. Our solutions provide 24/7 365 coverage, with each system linked to our NSI Gold Alarm Receiving Centre by our highly trained operators, utilising the latest A.I. technologies to filter out any false activations, allowing them to only respond to genuine alerts.

Our rapid deployment systems are truly scalable, accommodating the needs of single sites requiring one unit, or multi-sites where an array of units can be linked together to create a virtual ring of steel around the site, preventing any individual from entering without disarming the system first. The rapid deployment systems utilise the latest A.I. detection devices, and can provide object detection and camera tracking if an alert were to occur.

Benefits

- Quick deployment anywhere in the UK
- Real-time monitoring and surveillance, deterring potential threats and enhancing your security capabilities
- Provides video evidence for law enforcement
- Visible security presence with activations to any suspicious activities
- 24/7 reliable security systems offers around-the-clock protection, promptly notifying your response team in case of any breach
- Our experts assess your security needs and provide personalised solutions to maximise your safety



Deployable UK Wide



Video Evidence



Around-the-Clock Protection



Maximise Safety

Bastion Tower

Our robust multi-functional 360 PTZ tower detection provides large site coverage for rapid deployment with single or multi-column solutions. The tower is monitored via our own British Standard BS5979 NSI Gold CAT 2 control room, and can provide live audio announcements from our control operatives in the event of a site breach while patrols are dispatched.



Solar Trailer

Our solar powered 360 tower can accommodate four 5mp static cameras or PTZ with 50m IR (low light) in a North, East, South, West formation on the main column. Each of the camera lenses is set to >90 degrees providing continuous 360-degree footage, and is monitored via our BS5979 NSI Gold CAT 2 control room. Our solar trailer does not require any external power, making it easy to deploy in even the toughest of environments,



Time-Lapse Project Monitoring

Our multi-function time-lapse system gives you the option to visual site anytime throughout the project, compare site changes and keep full site memory images, with the option to review certain areas. The footage can be viewed on any smart device and is available on static or drone systems.





Permanent Solutions

ASEL CCTV platforms enhances our customers safety and security by utilising state of the art technologies, providing additional analytics and bespoke business intelligence where required. Our video data platforms capture ultra HD images and are optimised to work as a standalone system or unified over any network where authorised users can immediately access all their footage through a single interface. Our advanced A.I. CCTV refers to the applications of artificial intelligence (AI) technology in video surveillance systems. A.I-enhanced CCTV systems utilise advanced algorithms and machine learning techniques to analyse our customers video data in real-time, enabling automated and intelligent video surveillance that can perform a range of advanced tasks, including object detection and tracking, facial recognition, and ANPR. These analytics can identify and classify objects, people, and vehicles, allowing for the detection of suspicious or unauthorised activities. AI algorithms can also analyse the behaviour of individuals and alert security personnel in case of anomalies or predefined events, such as trespassing.

Our CCTV solutions can integrate with other security technologies, such as access control, intruder alarm systems and facial recognition to provide a more comprehensive and intelligent security solution. These systems can generate valuable insights from the collected data, enabling better decision-making, predictive analysis, and proactive security measures.

Integrating CCTV into intrusion, fire and access control enables customers to gather video data on activations to better understand the cause and effect of these systems, and to implement measures to reduce or prevent further risks.

It involves the analysis of relevant data to identify patterns, anomalies, or behaviours that indicate a potential security breach or intrusion. The benefits of AI intrusion detection include improved accuracy in detecting, reduced false positives, early threat detection, and the ability to process and analyse vast amounts of data in real-time.



Object Detection



Facial Recognition



ANPR



Trespassing
Detection

Case Study: Siemens Energy Viking Link

Customer - Siemens Energy

Solutions Provided

Solar Bastions
Solar Powered Speed Cameras
Access Control Cabins
Solar Powered Timelapse Cameras
Internal Timelapse Cameras



How ASEL Keeps Viking Link Protected

Viking Link is a 1400 MW high voltage direct current (DC) electricity link between the British and Danish transmission systems connecting at Bicker Fen substation in Lincolnshire and Revising substation in southern Jutland, Denmark.

The project involves the construction of converter sites and installation of onshore and offshore cable in each country, which are then connected to the substations.

Viking Link will be approximately 765km long and will allow electricity to be exchanged between Great Britain and Denmark. The interconnector will enable the more effective use of renewable energy, access to sustainable electricity generation, and improved security of electricity supplies.

We have been working on this site since 2021, and the products and services supplied for Viking Link include:

- 12x Solar bastions on site covering the compound, platform, access road and haul road
- Solar powered speed cameras
- 2x Access control cabins with half height turnstiles and facial recognition readers, these also have thermographic cameras built in to measure the temperature of the individual with software allowing real time information including; timesheets, CSCS, competencies are in date, apprentices, local labour, and distance travelled to site
- 2x External solar powered timelapse cameras - images are taken every 5-10 seconds and put into a monthly edited video
- 4x Internal timelapse cameras to track the progress of the works
- Gateman controlling access and egress to the site

Key Services



Solar Powered Cameras



Access Control Cabins



Time Lapse Cameras