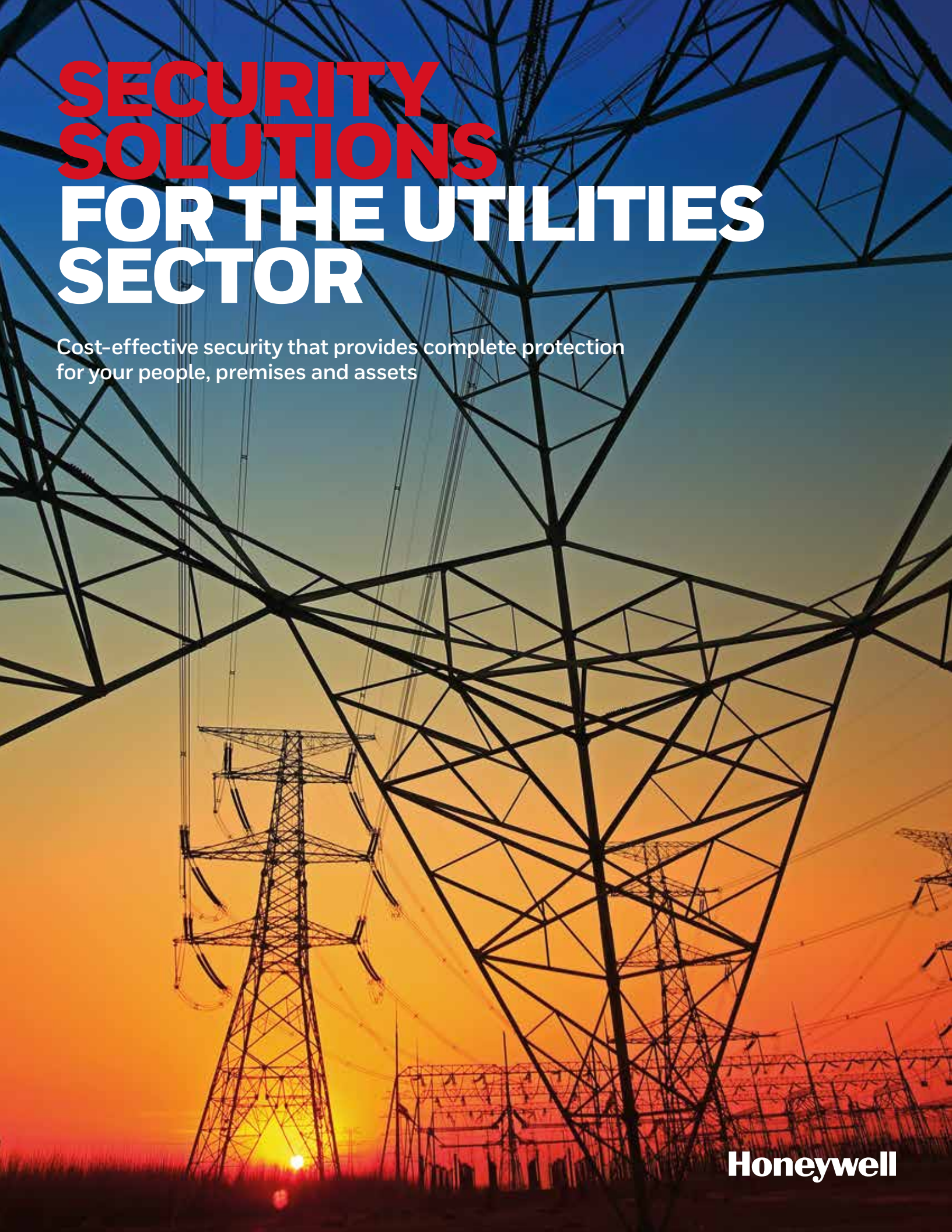


SECURITY SOLUTIONS FOR THE UTILITIES SECTOR

Cost-effective security that provides complete protection for your people, premises and assets

Honeywell

KEY SECURITY CHALLENGES FACING UTILITY COMPANIES

The utilities sector is facing changes in the economy, the environment, and changes in customer behaviour. In many countries, it's also facing new regulations, higher taxes and lower wholesale prices. This all leads to pressure on both costs and revenues.

At the same time, utility companies need to maintain the reliability of their systems and reduce overall levels of risk. A sophisticated but cost-effective security system can play a key role in responding to all of theses challenges.

Some of the key security issues facing the utilities sector include:

Protection of premises from terrorism, activists, vandalism and sabotage.

Protection of assets from cyber security, internal and external theft.

Protection of people including safe working, access control, and health and safety.

Protection of processes from failure of systems and a lack of regulatory compliance.

Honeywell's security solutions will help you to meet all of these challenges. They provide:

- **Impressive protection** – Ensuring that your business isn't disrupted.
- **Enhanced productivity** – Effective security that boosts workforce efficiency.
- **Greater profitability** – Solutions that reduce losses and save you time, trouble and money.

Our integrated security solutions include: intruder protection; access control; video surveillance; escape route technology; risk management; and integrated systems. These will protect your company, enabling you to focus on core business activities. The result is:

- **A lower risk of incidents**
- **Higher cost savings**
- **More efficient operations**

Ultimately, our solutions ensure that your people, property and assets are fully protected and can operate at maximum efficiency.

RESPONDING TO THE CHALLENGES

PROTECTION OF PREMISES

Utilities are prime targets for terrorists, activists and criminals, so how can you ensure that all of your premises are secure and protected against any threats? We have solutions that will:

Secure large perimeters. We have many options for protecting large perimeters. We can integrate solutions such as intrusion detection (with fibre optic and infra red sensors and gunshot detection), radar and video analytics. These deter intruders; provide alerts of potential threats; and can be used to protect multiple sites.

Monitor remote locations. Our video and cloud solutions can be used to monitor remote sites, such as substations and telecoms antennas. Any alarms are picked up by a central monitoring station. The video can be stored on cloud, preventing the destruction of evidence.

Reduce damage to buildings. One effective solution is to build two-way audio into an integrated security system. The central station can talk directly to potential vandals. If they know they're being monitored and recorded, they are much less likely to cause damage.

PROTECTION OF ASSETS

Theft, fraud and cyber crime can all cause disruption and major financial loss – but this can be prevented by effective security measures. Our solutions will:

Prevent unauthorised access. This is a key issue for many utility sites and can lead to theft or damage. Our complete electronic security system includes access control and intruder detection. This means that a single system, managed centrally, can protect all of your assets.

Protect critical data. Cyber crime is on the increase. Our leading network solutions increase security and safety and we have over 100 CSSLP-certified engineers, who ensure that all of our systems are cyber protected, using our own security protocols.

In addition, Honeywell is an ISA Global Cybersecurity Alliance Founding Member, and complies with ISA/ISE 62443 certifications.

Assess potential threats. Our video and cloud solutions, combined with sophisticated video analytics, will help you to determine whether a potential threat is a real danger or a harmless occurrence.

RESPONDING TO THE CHALLENGES

PROTECTION OF PEOPLE

Utility companies need effective security systems for monitoring and controlling the movement of employees, visitors and contractors. Our solutions will:

Protect people in remote locations. We can integrate different sensors and cameras to watch lone workers. These can be supplemented by third party solutions (such as pendant alarms) to ensure that they have direct access to emergency response teams at all times.

Track the location of individuals. Our solutions offer tight control over access to critical areas, and prevent issues such as tailgating through doors. They also ensure that contractors and visitors can be handled safely, sensitively and cost-effectively without compromising security.

Control access rights. In many companies, ex-employees can still access buildings as their security rights haven't been removed. With our integrated systems, which can link the security solution to HR systems, access rights are automatically removed when an employee leaves.

PROTECTION OF PROCESSES

Continuing regulatory changes (e.g. Sarbanes Oxley) and government initiatives (e.g. the European Programme for Critical Infrastructure Protection) mean that utility companies must rapidly adapt and deploy suitable security measures to respond to new threats. Our solutions will:

Help to ensure compliance. Non-compliance with regulations could affect your stock values; could lead to very heavy fines; and could even result in the loss of your business licence. Our integrated security management suite includes tools that can rapidly provide the data and reports needed for audits.

Keep systems up to date. Compliance rules are constantly evolving. We are continually developing systems to meet the latest compliance and regulatory needs. We'll actively discuss your needs with you to ensure that our systems meet evolving statutory requirements.

Protect systems in the event of a failure. Our systems can be designed to automatically transfer full control to a different location if there's a catastrophic failure in the prime control room. Cloud storage also prevents any infiltrators from destroying evidence.

COMPLETE PROTECTION FOR ALL YOUR OPERATIONS

Utility companies often have to cover local, regional and even global needs. This can give rise to a complex array of contractors, vendors, suppliers and employees, with facilities and services that have to comply with both local and global regulations. It means that you often require security systems installed in sites a long distance away from your main operations.

Honeywell has multi-lingual security solutions that provide protection for every aspect of your operations, from your headquarters through to remote substations, and whatever the size of your organisation – whether it's local, national or global. We provide a single point of contact for multi-site, multi-national installations and ensure that all security installations are of a consistently high quality. Our solutions ensure that there will be no disruption to your business.

Meanwhile, utility companies need to invest in new plants that are safer and more secure, to enhance a streamlined operation. An effective security system helps to ensure the **reliability** of supplies, which in turn helps to boost **revenues**. It will also help to boost the **efficiency and productivity** of your workforce.

THE CHOICE IS YOURS

We offer a comprehensive choice of security solutions, from easy to install, standalone, entry-level systems through to high-end, fully integrated solutions for more complex sites.

Honeywell's solutions integrate together seamlessly to provide easier monitoring, management and control. Our complete security management systems combine access control, alarm monitoring, badging and video surveillance; all in a single user interface and from a single supplier.

This enables all aspects of your security to be managed centrally, whilst allowing local autonomy. This gives your people and facilities complete protection and also enables your plant to operate at full capacity at all times.

SECURITY IN ACTION
INTEGRATED SECURITY FOR A REMOTE POWER PLANT

THE CHALLENGE

A report from the National Security Telecommunications Advisory Committee found that the highest threat to the main power grid in the US was physical destruction. Many of the nation's 55,000 substations have some security but can't deter, detect and communicate to the national standard. Non-compliance penalties can range up to $1 million per day.

Unmanned plants operate in secluded locations, and are configured for efficient power generation rather than security. Chain link fences leave the sites vulnerable to attack. Today's critical infrastructure has to be fortified against intrusion by people, vehicles and even drones.

THE SOLUTION

Honeywell, SpotterRF Radar, security integrator 4PC and Burns & McDonnell designed a powerful solution for an electrical generation and transmission facility. This integrates active surveillance with intelligent video analytics, video management, access control, and perimeter intrusion, detection and fire protection.

Honeywell's Pro-Watch® central management solution is used for intrusion and access control. MAXPRO® VMS provides video analytics. Notifier fire panels and HD IP video cameras with thermal capabilities were installed and map-based Vindicator touchscreen keypads were strategically placed throughout the site to give an instant assessment of its security status, using Honeywell's Vindicator V3 Intrusion Detection System. This provides complete coverage over the 20-acre site, using less power than a 10 watt lightbulb.

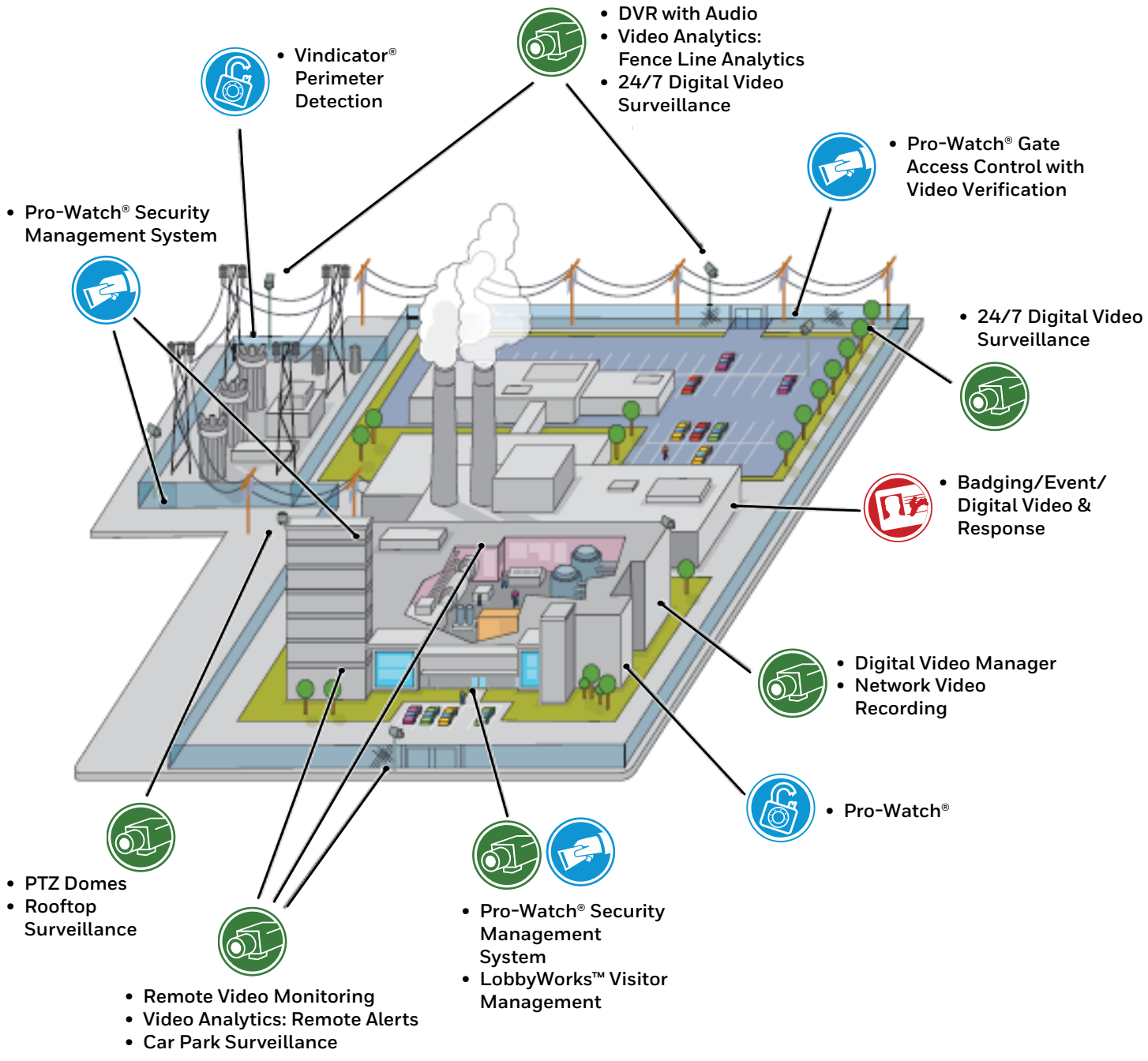
THE BENEFITS

The end result is a sustainable early warning system that can operate independently, using intelligent intrusion detection to provide advanced notification of any threats. It also actively monitors the surrounding skies. The integrated solution meets strict auditing regulations and constant monitoring of the perimeter exceeds compliance requirements. Because the system can differentiate between human activity and moving animals or vegetation, this slashes the number of false alarms, which reduces costs.

"From the very beginning of this project, Honeywell provided capabilities that stretched far beyond video surveillance and access control," says Coby Hayes, CEO and founder of 4PC.

A FULLY INTEGRATED SECURITY SOLUTION FOR UTILITY COMPANIES

Different utility companies have different security issues. Honeywell's solutions can be tailored to meet these specific needs. This illustration shows just some of the possibilities available with an integrated security system.



HONEYWELL FOR SECURITY

Honeywell is a well-established player in the security industry and has a strong track record of working with a wide variety of companies in the utilities sector, including many blue-chip clients.

EXPERIENCE

We have over 40 years' experience of installing security systems in utilities sector, with projects ranging from single site security through to multi-national integrated solutions.

In addition, we are supported by an end-user group of blue-chip companies in the sector that help to guide our product development to best meet their needs.

EXPERTISE

We can provide sophisticated, future-proof solutions for your company that offer highly effective security for a low total cost of ownership.

EXCELLENCE

We provide a one-stop shop for electronic security. We strive for operational excellence in everything we do and are committed to delivering the highest quality solutions in the best possible way for our customers.

HONEYWELL COMMERCIAL SECURITY

Honeywell Commercial Security is part of Honeywell Building Technologies (HBT), a global business with more than 23,000 employees. HBT creates products, software and technologies found in more than 10 million buildings worldwide. Commercial building owners and occupants use our technologies to ensure their facilities are safe, energy efficient, sustainable and productive.

For more news and information on Honeywell Building Technologies, visit http://www.honeywell.com/newsroom

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THE FUTURE IS WHAT WE MAKE IT

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