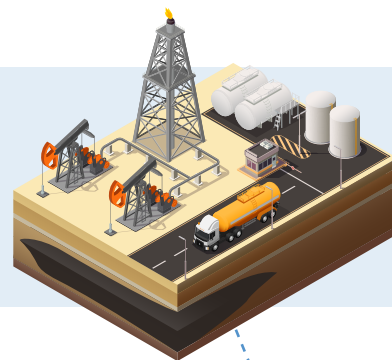# SECURING VITAL UTILITY INFRASTRUCTURE

Video Monitoring for Key Facilities

Whether public or privately owned and operated, utilities are working to guard our nations critical infrastructure from threats - physical and digital. With the ideal security systems in place, utilities can accomplish both. Urban and remote water treatment sites, power plants, oil refineries, and other facilities housing costly equipment and hazardous materials need reliable and secure monitoring solutions.

Business Needs | Surveilling Critical Infrastructure Sites

Protecting utility infrastructures poses challenges that should never be taken lightly. With thousands to millions of people depending on these systems in any given service area for daily life, security breaches can be devastating. Not every company that offer solutions for site security are equipped to handle the needs that come with such sensitive infrastructure. Utilities need to be able to monitor their facilities, inside and out, against threats in real-time using high-definition FIPS-compliant video feeds that utilize advanced AI capabilities like facial recognition, occupancy counting, mask detection, and more.

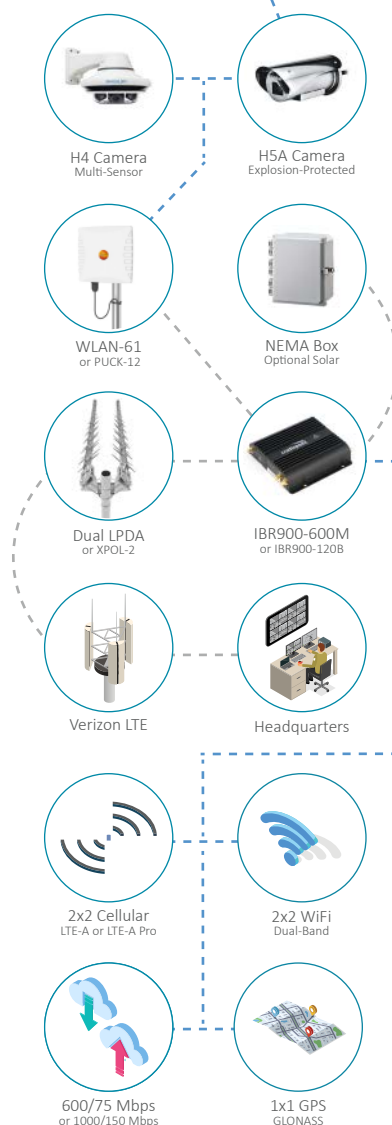## Solution Overview | Cutting Edge Video and Communications Hardware

Cellular routers and video devices can present their own security risks when not properly hardened against cyber threats- that's why we utilize FIPS-compliant Cradlepoint routers and Avigilon camera systems. For outdoor applications, we can build custom NEMA boxes that utilize direct or solar power sources, connect physically or wirelessly to cameras, and utilize a number of different antenna arrays depending upon the nearness of available cell towers and wireless security devices. And with NetCloud and the Avigilon Control Center you can manage your connectivity and security devices remotely over-the-air.

Benefits Observed | Reliable Customized Site Monitoring

With ruggedized routers, antennas, and cameras, utilities can trust their devices will stay operational even under the harshest conditions. With use case specific cellular antennas utilities experience reliable connections at all facilities whether located within dense urban (XPOL-1), suburban (XPOL-2), or rural (LPDA-92) areas. Similarly, case specific Wi-Fi antennas enable stable wireless connections to cameras and other security devices whether they are looking to broadcast secure Wi-Fi to targeted (WLAN-61) or broad areas (PUCK-12). With maximum connection stability and system uptime, they can ensure their facilities are well guarded against potential bad actors.

Our Team | Device Provisioning, Activation and Installation Services

USAT, along with MCA, is uniquely equipped to provide the top-tier connectivity and video monitoring hardware and software utilities need to protect their facilities against intrusion in both the physical and digital space. Our solutions engineers configure, provision, kit, and ship all devices hot and ready for immediate use. And when utilizing our expert installation services, our technicians ensure devices are functioning securely, reliably, and at peak performance on ultra-fast network carriers like Verizon.

Router:	Cloud Software:	Wi-Fi Antenna:	Cellular Antenna:	Network:
IBR900	**NetCloud**	**WLAN-61**	**LPDA-92**	**Verizon**

H4 Camera
Multi-Sensor

H5A Camera
Explosion-Protected

WLAN-61
or PUCK-12

NEMA Box
Optional Solar

Dual LPDA
or XPOL-2

IBR900-600M
or IBR900-120B

Verizon LTE

Headquarters

2x2 Cellular
LTE-A or LTE-A Pro

2x2 WiFi
Dual-Band

600/75 Mbps
or 1000/150 Mbps

1x1 GPS
GLONASS

CONTACT US TO ENGINEER YOUR CONNECTIVITY SOLUTION TODAY