



iPac Cameras providing surveillance to CSI INSPECTION; the new facilities of one of business unit of Dupre Energy Services

MEMBERS OF THE PROJECT - PROFILE

End User: Dupre Energy Services-Corporate / CSI Inspection Unit

Dupre Energy Services is a portfolio of oil field service companies that provide certified world-class services across the US. With corporate headquarters in Houston, Texas; DES is at the heart of the industry and has locations across the country; from Houston to North Dakota, Colorado to West Virginia, and much more.

Last June 2014, DES opened a new facility at Williston, North Dakota for 1 of its 5 business units, CSI Inspection. This unit specializes in ASNT Certified Inspections Services, including: Bottom hole Assembly and Drill Pipe Inspections performed by highly trained and Certified Level II Inspectors, and DSI standards.

Integrator: Medi-Net

Medi-Net is based out of Kentucky, and has been providing installation and integration for over 30 years. Their influence stretches from North Dakota to Florida. Medi-Net prides itself on doing honest work and solid installations along these years of experience

Manufacturer: Bolide Technology Group

Bolide Technology Group is a worldwide manufacturer and an ISO 9001:2008 certified distributor of CCTV surveillance products and

BACKGROUND INFORMATION



The new Williston facility of CSI Inspection, one of the 5 business unit of DES, stretches over 10 Acres with a 32,400 Sq. Ft. Shop and wash bay. It also includes an additional office building of 2,080 Sq. Ft.

The aspiration was to provide **exterior coverage** of the 10-Acre area to survey and record workers quarters, loading and unloading of product/equipment, and possible damage or acts of vandalism.

Additionally, there was a need to observe workers inside the shop to watch them operating equipment. There was also a demand for the ability **get close up views** of the exact buttons pushed.

This zooming ability was required to confirm that the sequences



followed the proper protocols. This helped for the process of correcting mistakes, avoiding mishaps, and identifying the specifics of how an incident occurred.

Therefore, **high definition quality was required** with the ability to **zoom in** and expand picture captured as well as the ability to monitor employees with **real time video**. This would capture incidents in a time sensitive manner and reduce the probability of accidents or non-compliance of procedures. These processes also need to be maintained **remotely** off site due to 24/7 operations that need to be managed by corporate offices as well as manager's residences during off duty hours.

Some additional challenges presented were the extremely high ceilings of the workshop and lighting issues. The goal was to capture **close tight in images** and provide **detailed information and facial recognition**. For all of this to be captured in the footage at a **high definition resolution**, the camera needed a **high zoom capability**.

SOLUTION PROVIDED



The solution was apparent for **MEDI-NET**, the system integrator. They knew that an IP system was required. The system needed to 1080P resolution with pan tilt zoom cameras. The cameras had to cover a wide area, and zoom in real time. The **BN1009M/PTZ22** camera from Bolide Technology Group's iPac Line was the obvious solution. It provided 2 Megapixel image quality with 22x zoom, 255 presets, 6 patterns, and 12 tours. These specifications were crucial to covering the vast **CSI Inspection** facility in and out.

Tours and patterns were set to cover all of the machinery at peak times and shifts inside the facility. Outside of the facility, tours were set to cover all loading and unloading areas as well as shift changeovers.

The entryways, exits, and warehouse doors needed to be capture to capture vehicles and employees during incoming and outgoing deliveries. So, for that requirement the bullet iPac Camera **BN2035WDRIRP** was brought on. With its Wide Dynamic Range feature, this device was able to identify exactly who and what is coming and going through the entryways and warehouse doors. The sunlight coming in was not an issue for it.

Bolide's iPac2.5 Software enabled the use of offsite viewing and oversight of the facility providing an easy manageable video feed. Administration and different levels of permissions access could be adjusted by the user with ease.

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BENEFITS



Since the cameras have been installed the end user has greatly benefited from Bolide Technology Group's IPac cameras. They obtained the following results:

- Improved overall efficiency after identifying gaps in checklists protocols, and employees habits
- Well documented incidents thanks to detailed and high resolution footage.
- Well-covered entrances and exits. Footage has high quality color and accuracy images, thanks to the Wide Dynamic Range (WDR) Bolide Camera, despite high contrast situations in these areas.
- Preventive procedures based on the overall video registered
- Easy video administration with the VMS software **iPac2.5**
- Remote surveillance during off duty hours providing a 24/7 control of facilities by corporate offices, managers, and other authorized individuals. All thanks to the easy access that Bolide's cameras offered, including for mobile devices.
- 3 years warranty over iPac products, as well as additional support from the brand.
- Permanent and local support from MEDI-NET based on its knowledge on installation and Bolide's products.

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