

## Penglai City Power secured by Instek Digital

The Penglai City Power Supply Company is a large scale power enterprise comprised of 8 110kV and 12 35kV substations. The power company wanted to add over 100 high definition IP cameras to their legacy analog camera based surveillance system. To do so, they would need to convert to an IP based system. This massive system would also need further scalability to grow as a 2600 megawatt power plant was under construction and soon to be added under the surveillance system.

Instek Digital's Hybrid Digital Video Recorders (hDVRs) are able to record both Penglai's legacy analog and modern IP cameras' video. The MatriVideo™ Command Center software can accommodate up to 16,000 cameras and provides a consolidated view of all 20 substations from a central control center in addition to each substation's viewing area.

The MatriVideo™ hardware and software provides the scalability to grow with Penglai City Power Company. It accommodates the 20 operational substations and can accommodate the large scale substation under construction as well as any future expansion.



### System Architecture

#### Project Statistics

**Year of Installation:** 2010  
**IP HD Cameras:** 100+  
**Analog Cameras:** 200+  
**Hybrid DVRs:** 21  
**Archive Servers:** 2  
**Substations:** 20  
**Command Center:** Yes  
**Command Center Lite:** Yes

