

Wind Power Plant Control Center & KVM over IP Extenders

KE6900 KVM over IP with VM1600 16x16 Modular Matrix Switch

OVERVIEW



Wind Power Plant Control Center

An innovative energy technology company has been contracted for the operation and maintenance of more than 10 wind power plants and solar power stations. At the control center, each workstation is equipped with four monitors to display the different power stations, and a keyboard and mouse for control of operations. The video content needs to be displayed on an LCD 2x4 video wall in the hallway and simultaneously at the workstations. All application servers are installed separately in a server room for closed management. Operators need to access a number of servers from their workstations.

CHALLENGES

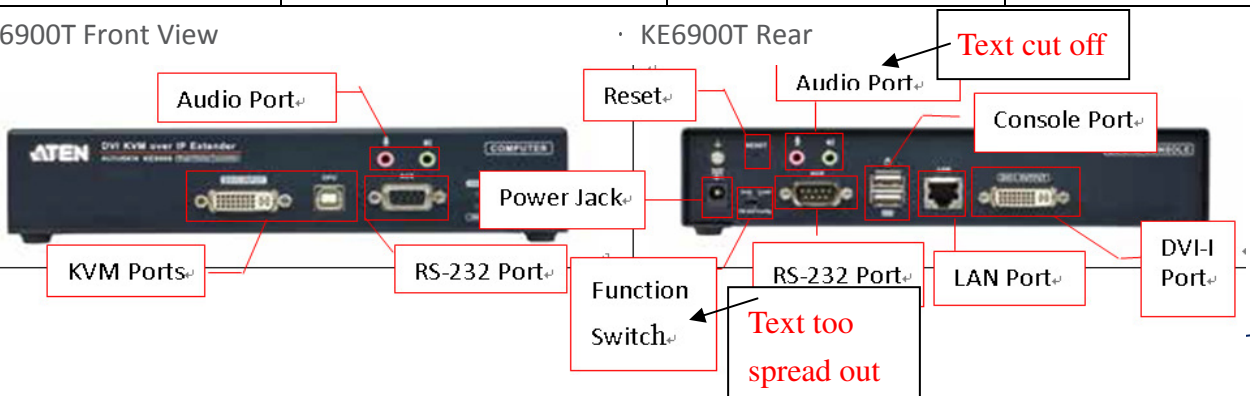
- Operators need the ability to quickly switch between servers
- They need access to different applications from each workstation
- Ability to transfer high quality images over long distances
- Display content on both the LCD monitors in the hall and the workstations

ATEN SOLUTION

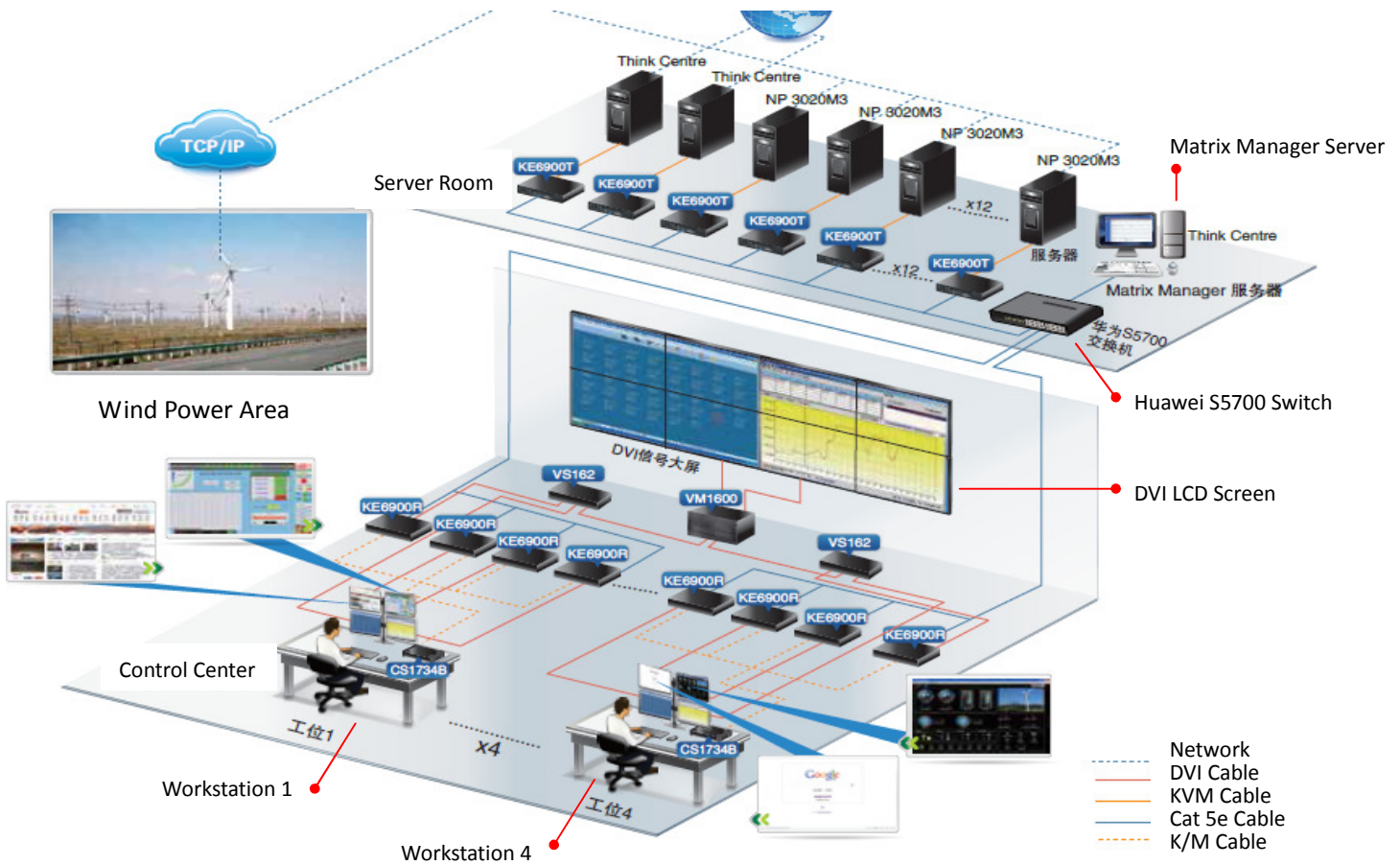
KE6900T/KE6900R DVI KVM Over IP Extender Transmitter	VM1600 16x16 Modular Matrix Switch	CS1734B 4-Port USB 2.0 KVMP™ Switch with OSD	VS162 2-Port DVI Video Splitter
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• KE6900T Front View

• KE6900T Rear



SOLUTION ARCHITECTURE



FEATURES & BENEFITS

- ATEN's Matrix Manager provides centralized control and management of all KE devices over the network.
- Supports AES-128 bits data encryption and dedicated user and group authorization. Implemented dedicated KE network for security.
- The ATEN CS1734B 4-Port USB 2.0 KVMP™ Switch allows keyboard and mouse access to servers and monitoring systems securely, ensuring the confidentiality of data.
- Integration of ATEN KVM and video solutions makes it possible to display relative information on both the LCD monitors and workstations, avoiding incompatibility issues caused by using different brands.

