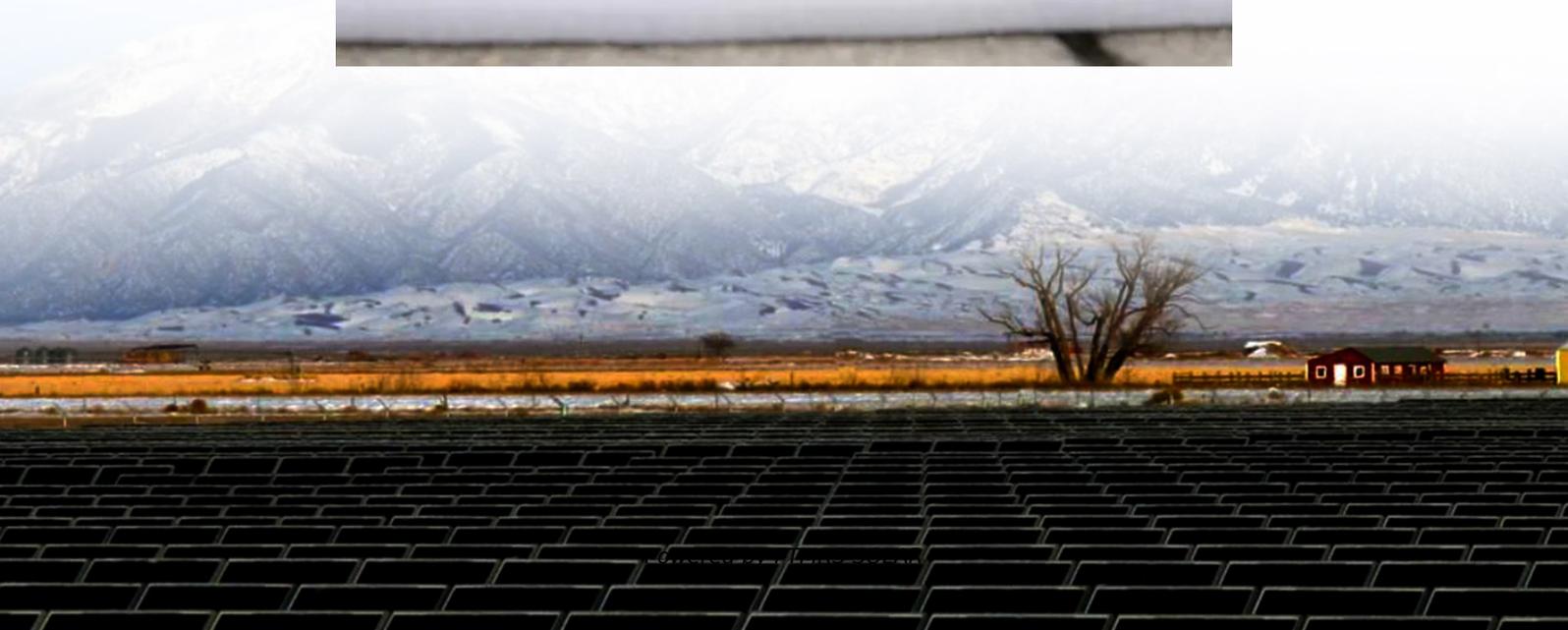


Battery cabinet effect base station in monitoring room





Overview

What is a battery room?

A battery room is used to store batteries for emergency power management in the plant. Each substation has a battery room and the stored batteries are lead-acid batteries which must be maintained within specified operating temperature limits.

Are battery rooms under wireless monitoring?

Battery rooms are now under wireless monitoring. The redundant wireless system provides reliable network communication over a 2 km² area and cost savings were realized at over 75%. The emergency power monitoring system ensures that power is always available during a site safety event.

How many km² is a battery room?

Each is approximately 2 km². In each battery room, an RTD sensor was installed for temperature monitoring and a mechanical flow switch was installed for A/C monitoring. Field and network redundancy ensured high availability of data. An OPC server with an operator interface.

How many battery rooms can a wireless network communicate with?

The wireless network has the capability to communicate with 24 battery rooms, over an area approximately 2 km². In each battery room, an RTD sensor was installed for temperature monitoring and a mechanical flow switch was installed for A/C monitoring. Field and network redundancy ensured high availability of data.



Battery cabinet effect base station in monitoring room

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Communication Base Station Battery Cabinets , Huijue ...

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Outdoor Cabinets

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