

# **Abstract**

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## **Wireless control operation of power stations using modern sensors**

This paper considers a practical implementation of wireless control of electrical power stations, data acquisition based on multiple used sensors, and data acquisition based on multiple used sensors and protection devices. The system implementation depends on collecting data of different used sensors and controlled devices from the local power station then correlating these data with stored ones, the result of correlation is transmitted to a remote station for observation and remote control. We use different types of microcontrollers, and Micro C compiler program for this operation.