



# Communication 5g base station intelligent shutdown





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### [Final draft of deliverable D.WG3-02-Smart Energy Saving of 5G ...](#)

Execution strategy: The integrated energy saving strategy is sent to the network management system to perform the energy saving operations on the 5G base station, such as deep sleep, carrier shutdown, ...

### [Embedded management and control platform of intelligent turn-off](#)

A technology for intelligent shutdown and control of switches, applied in general control systems, program control, computer control, etc., can solve high energy consumption, inability to control ...

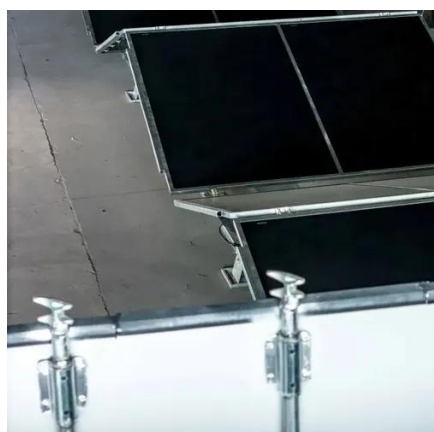


### [5G base station saves energy and reduces consumption](#)

In addition to my country Mobile, my country Tower and the other two major operators have also announced "intelligent shutdown of 5G base stations", which operates in a manner of ...

### [Research on Energy-Saving Technology for Unmanned 5G Base ...](#)

In response to the energy-saving needs of 5G base stations, this article combines IoT technology, artificial intelligence technology, and thermal design technology to conduct research on energy ...



## Application of AI technology 5G base station

When the symbol shut down function is turned on, when there is no user data transmission in the downlink symbol, the base station equipment can achieve the purpose of energy saving by actively ...

### Optimal energy-saving operation strategy of 5G base station with

To further explore the energy-saving potential of 5G base stations, this paper proposes an energy-saving operation model for 5G base stations that incorporates communication caching and ...



### SmartMME : Implementation of Base Station Switching Off Strategy in ...

The proliferation of User Equipment (UE) drives this energy demand, urging 5G deployments to seek more energy-efficient methodologies. In this work, we propose SmartMME, as ...

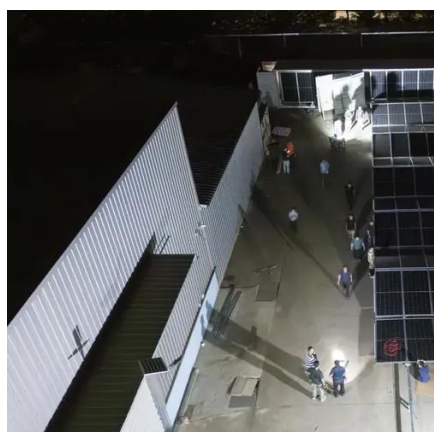


### Smart Energy-Saving Solutions Based on



## Artificial Intelligence and

This chapter focuses on how network energy-saving techniques including carrier shutdown, channel shutdown, symbol shutdown, and others that have emerged during the 4G era ...



## Final draft of deliverable D.WG3-02-Smart Energy Saving of 5G ...

This technical report explores how network energy saving technologies, such as carrier shutdown, channel shutdown, symbol shutdown etc., that have emerged since the 4G era, can be leveraged to ...

## Energy Saving of 5G Base Stations Based on Symbol Shutdown and ...

The rapid development of 5G technology leads to increasing energy consumption in base stations (BSs). For the vision of green and sustainable communications, we





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