



# SMART GRID

FOR A SMART AND  
SUSTAINABLE FUTURE.



For generations to come



DEWA SMART WORLD



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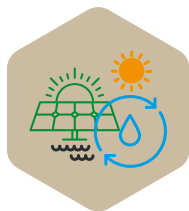
[www.dewa.gov.ae](http://www.dewa.gov.ae)



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# SMART DUBAI, HAPPY DUBAI.

Dubai has always been at the forefront of technology innovation that has transformed the lives of its residents. After His Highness Sheikh Mohammed bin Rashid Al Maktoum adopted the Smart Dubai Happiness Agenda, the momentum has only gathered pace.

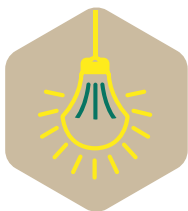
DEWA is implementing His Highness' vision through a Smart Grid Strategy that spans DEWA's value chain and is focused on the Smart City objectives.

DEWA's Smart Grid strategy combines innovative and smarter ways to create sustainable solutions for the water and electricity supply focusing on conservation and optimal use of Dubai's resources. The solutions implemented under the Smart Grid strategy regulate, distribute and save energy to make DEWA a sustainable innovative, world-class utility.





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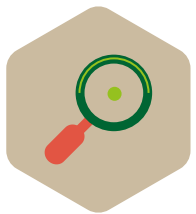


## CUSTOMER FOCUS

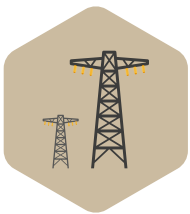
There are three Smart Grid programmes directly related to you as a customer-the Advanced Metering Infrastructure for both Water and Electricity and the Demand Response Programme. These programmes are focused on controlling and monitoring energy and water consumption more efficiently allowing you to benefit from the advanced systems DEWA is implementing.







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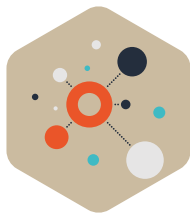
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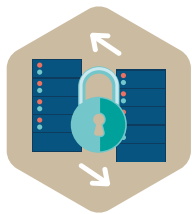
## STABILITY

Four Smart Grid programmes are centred around the stability of the electricity and water supply. The Asset Management, Big Data and Analytics, Distribution Automation and Substation Automation programmes are implementing the best in class advanced solutions to optimise the availability, life-cycle and maintenance of the infrastructure and equipment and facilities essential for the electricity and water supply. This results in a reliable, rich and transparent feed of information, advanced distribution system automation and the protection and control of the entire infrastructure for electricity and water. This results in a stable service and reduction in customer minutes lost by increasing automated decision-making and interoperability across the entire electricity and water network.

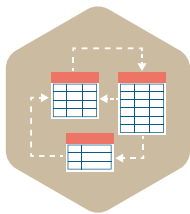




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## COMMUNICATION

Smart Grid depends highly on communication. Therefore three Smart Grid programmes, IT Infrastructure, System Integration and Telecommunication are centered around the access to and the exchange of information. DEWA is establishing a common platform across the entire enterprise based on open standards supporting the smart grid, its effective operational capability and functionality and integrates existing and new back-end systems, platforms and applications.





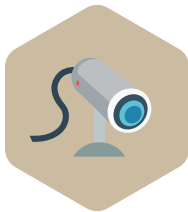
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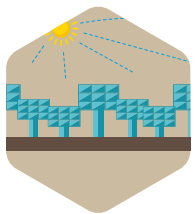


## SECURITY

In today's world security of supply as well as the physical and cyber security of each of the elements implemented as part of Smart Grid are extremely important. DEWA has a dedicated programme for the security aspects of the Smart Grid. The programme provides security guidelines, assessments and implementation support to all Smart Grid programmes to ensure DEWA is implementing international best practices and world class standards.



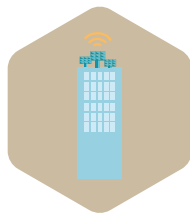




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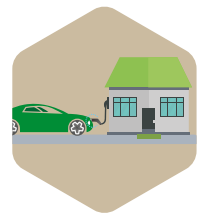
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# DEWA SMART INITIATIVES



In support of the vision of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to make Dubai the Smartest City in the world, DEWA is offering 3 smart initiatives :

- **Shams Dubai** - Connecting solar energy to buildings
- **Smart Applications via Smart Grid and Meters**
- **Green Charger** - Infrastructure and electric vehicle charging stations



