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Siemens to maintain and digitalize Shuweihat S2 power plant in Abu Dhabi

- **18-year service agreement for Shuweihat S2 IWPP in Abu Dhabi**
- **Digital services and extended intervals for optimized maintenance cost**
- **Comprehensive cybersecurity solutions to reduce cyber threats**

Siemens today announced it has signed an extension of a multi-year maintenance service agreement with Shuweihat S2 Operation and Maintenance Company (S2O&M). Under terms of the contract, Siemens will support the 1,500 megawatt (MW) combined-cycle power and water plant, Shuweihat S2 IWPP (Independent Water and Power Plant), in Abu Dhabi, United Arab Emirates. With the new 18-year extension, Siemens will also deploy products from its Omnivise digital services portfolio including cybersecurity solutions to help improve asset visibility, reliability and availability.

"With UAE's increasing demand for energy, we are embracing new and innovative ways to improve the reliability and performance of our power assets," said Ramesh Kakade, Plant General Manager at S2O&M. "Our agreement with Siemens incorporates the latest digital technology, ensuring more reliable and flexible power generation at Shuweihat S2 power and water plant."

The project will see the deployment of Siemens' FlexLTP (Flexible Long-Term Program), which provides a high degree of asset availability by extending intervals between inspections. The program includes an integrated suite of advanced remote monitoring and diagnostics services, such as Asset Monitor. Using advanced data-driven analytics, this service provides a visualization of plant asset data and key performance indicators (KPIs) for early detection of potential issues.

"Digital solutions have become a strong contributor for sustainable growth in the power sector," said Gianluigi Di Giovanni, Senior Executive Vice President of Siemens Power Generation Services in the Middle East and North Africa. "I am pleased that our continued relationship, combined with Siemens services capabilities and digital solutions, will support the long-term maintenance and performance for Shuweihat S2 power plant, ensuring more reliable and flexible power generation for the UAE."

One of the challenges faced by power plant operators is receiving hundreds of false alarms, caused by different factors that could interrupt operations. Utilizing cloud analytics, Siemens' I&C Monitors and Advisors can identify the root cause of false alarms and help eliminate them. By improving the accuracy and reliability of power asset measurements, this technology can increase productivity and thus, profitability.

Siemens will also utilize Remote Resident Engineers, which allows the company's experts to remotely resolve performance issues and forecast maintenance needs, using a secured network and two-factor authentication to eliminate any cyber risks. The company's cybersecurity solutions will help protect the power plant's operations, maximize system uptime and mitigate exposure to vulnerabilities.

Beyond digitalizing the power services, the agreement will see the supply of spare parts, on-site inspection and major inspections on the plant's Siemens SGT5-4000F gas turbines, SST5-6000IP steam turbines alongside the associated generators and electrical equipment. Aligning with the plant's focus on Emiratization, Siemens will also provide technical training services to support skills development and knowledge transfer among Emiratis.

This press release is available at www.siemens.com/press/PR2019020140PSEN

For further information on Siemens Power Generation Services, please see <http://www.energy.siemens.com/hq/en/services/>

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