

Who is implementing smart gas grid management system in Azeriqaz?

Credit: alexgo.photography/Shutterstock. Offshore Technology·alexgo.photography/Shutterstock. The State Oil Company of Azerbaijan Republic(SOCAR) has entered into a 13-year partnership with IntelliGrid to implement a smart gas grid management system across the service area of Azeriqaz Production Union (PU),a subsidiary of SOCAR.

How can IntelliGrid help Azerbaijan's gas distribution network?

It is an honour to partner with SOCAR/AzeriGas,as this partnership leverages IntelliGrid's AI capabilities to bring data analytics,predictive maintenance and real-time monitoringto Azerbaijan's gas distribution network,optimising gas consumption,reducing losses and enhancing overall operations."

How can Azerbaijan improve energy security?

Diversifying and improving the energy capacityof the country to ensure energy security. Azerbaijan has significant untapped renewable energy potential,as it is a relatively sunny and windy country,and it also has sizeable hydro,biomass and geothermal resources.

What is Azerbaijan's potential for small hydropower?

Although hydropower is Azerbaijan's largest source of renewable energy today,its potential has not been fully exploited. According to the Ministry of Energy,the country's technical potential for small hydro is 520 MW,which could generate up to 3.2 TWh annually.

What is Azerbaijan's energy potential?

According to the Ministry of Energy,the country's technical potential for small hydro is 520 MW,which could generate up to 3.2 TWh annually. Azerbaijan's Renewable Energy Agency under the Ministry of Energy (formerly SAARES) states that the country has up to 800 MW of geothermal energy potential.

Does Azerbaijan have solar power?

As Azerbaijan is relatively sunny,it has excellent solar power potential. According to the Ministry of Energy,technical potential is around 23 000 MW. The country's 2 400 to 3 200 sunshine hours annually compare well internationally,as does its solar intensity,estimated at 1 500 to 2 000 kWh/m².

Existing energy management systems are becoming increasingly insecure and inefficient due to the rapid adoption of smart grid technology. Current research indicates that effectively managing dynamic energy flows, adjusting to changing needs, and protecting against new cyber threats remain significant challenges for the smart grid system.

Smart distribution systems equipped with advanced metering enable precise consumption tracking, leak

detection, and optimised gas flow, leading to improved energy usage and lower emissions. Aligned with the COP28 goal to double energy efficiency by 2030, this initiative marks a significant step toward achieving this global target.

By implementing our Smart Gas Grid Management System, we are modernising the gas distribution network and leveraging AI-driven solutions to enhance efficiency, reliability, and sustainability across Azerbaijan's energy infrastructure.

SOCAR Azerigas Production Union, a part of the State Oil Company of Azerbaijan Republic, has signed a contract with Itron for the supply and installation of prepaid gas meters.. The two renewed their ten-year contract to allow for the deployment of 70,000 new prepaid gas meters.. They have deployed 1.3 million prepaid gas meters over the past ten years.

The State Oil Company of Azerbaijan (SOCAR) and IntelliGrid (UAE), a joint venture of Esyasoft Holding and Presight, signed an Agreement on the implementation of a state-of-the-art smart gas grid management system across the entire service area of Azerigas PU, according to Azerbaijan in Focus, reporting Oxu.Az.

Baku, Azerbaijan --- (METERING) --- July 8, 2008 - A massive project involving the deployment of close to 1 million water meters to citizens of Azerbaijan is well under way, with completion scheduled for 2009. As at July 2005, only 4.4% of connections had installed meters. Azersu, the country's water utility, recognized the need for water metering several ...

The smart grid is an unprecedented opportunity to shift the current energy industry into a new era of a modernized network where the power generation, transmission, and distribution are ...

Baku, Azerbaijan --- (METERING) --- February 2, 2012 - More than 400,000 gas smart payment meters are to be provided by Itron to Azerbaijan state gas company Azeri Gas Production Union, a part of the State Oil Company of Azerbaijan (SOCAR). The deployment follows an earlier project that included installing 250,000 smart payment meters in the capital ...

The smart grid is a modern energy management system designed to improve the efficiency and sustainability of electricity distribution networks. Unlike traditional power grids, smart grids rely on ...

Because securing energy independence in the long term is central to Azerbaijan's energy policy, it has recognised the value of diversifying its economy, increasing energy efficiency and supporting GHG emission mitigation programmes.

COP29, Baku, Azerbaijan: During the opening of 29th UN Climate Change Conference (UNFCCC COP 29), IntelliGrid, a joint venture between Esyasoft Holding and Presight AI, officially signed an agreement with SOCAR, a fully state-owned national oil and gas company headquartered in Baku, Azerbaijan, to implement a

state-of-the-art Smart Gas Grid ...

The US\$480 million (815.99 million manat) project aims to modernise the Azeriqaz PU (AzeriGas) service area's energy infrastructure in Azerbaijan using advanced AI technologies. IntelliGrid, a sustainable energy solutions provider, is a joint venture between Esyssoft Holding and Presight AI.

Baku, Azerbaijan --- (METERING) --- December 20, 2007 - An agreement has been concluded between Azeri Gas and Electricity Metering (AGEM) and Actaris to deliver 100,000 integrated smart card prepayment electricity meters and the TaleXus®; Vendor revenue collection system for installation in two areas of Azerbaijan. Additionally, Actaris, ...

The State Oil Company of Azerbaijan Republic (SOCAR) has entered into a 13-year partnership with IntelliGrid to implement a smart gas grid management system across the service area of...

The project, set as a 13-year partnership, represents a significant investment of USD 480M to transform Azerbaijan's energy infrastructure while incorporating advanced Artificial Intelligence technologies. ... "This agreement marks a major milestone for both IntelliGrid and SOCAR. By implementing our Smart Gas Grid Management System, we are ...

SOCAR, the State Oil Company of Azerbaijan, and "IntelliGrid", formed by JV Esyssoft and Presight, signed a cooperation agreement for the supply, deployment and service of smart gas grid management system across the entire service area of Azerigaz Production Union on the margins of the 29th session of the Conference of the Parties (COP29) of ...

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