

# Deployment of a state-of-the-art telecommunication infrastructure for Amurskaya TPP



Amurskaya TPP is a next-generation thermal power plant located in Amur region, Russia. This facility with its multi-level digital control and automation systems, was created to supply heat and power to the Amur Gas Processing Plant, which is expected to become one of the world's largest natural gas processing facilities. The annual electricity production volume expected to be well over one million kilowatt-hours.

The scope of the project was to design and deploy a telecommunication infrastructure and dispatch system for the power plant that would support the customer's business processes. Atos Unify partner - Svyaz Servis Telekommunikatsii (SST) - delivered and installed the telecommunications hardware and software. This was a critical part of the initial construction of Amurskaya TPP's power grid and sub-station facilities to support the Amur Gas Processing Plant.

## The solution

SST delivered advanced telecommunication and server equipment and software:

- Atos Unify OpenScape 4000, a hybrid IP communication system in a duplicated configuration on proprietary OpenScape 4000 EcoServer servers
- Atos Unify OpenScape Xpert dispatch and operational communication system with Atos Unify OpenStage Xpert 6010p consoles
- Phantom dispatcher call recording system installed and integrated with the in-house industrial automatic telephone system and the dispatch switchboard
- DECT standard OpenScape Cordless E integrated solution for wireless radio communication with OpenScape DECT Phone S5wireless telephones
- Lenovo server hardware and computers automated workplaces

SST engineers successfully tested Amurskaya TPP's newly installed telecommunication infrastructure and quickly put it into operation.

## Equipment used

**Atos Unify OpenScape 4000** is a convergent communication solution that provides integration with workflows, high reliability, high security, powerful performance capabilities, and a number of cost-effective Unified Communication options for any enterprise. OpenScape 4000 offers a wide range of user terminals, mobility tools, peripheral solutions, unified communications, as well as standards-based integration and interaction with critical business applications and systems. The solution features are complemented by an integrated administration system and a powerful set of system management applications that are easy to use and provide ample opportunities to system administrators. With its modularity, the availability of scalable access points, software-based branches, together with the strong support of analog, TDM or IP networks, OpenScape 4000 is an excellent solution for phased development and integration into any IT infrastructure.

**Atos Unify OpenStage Xpert 6010p** is a reliable, multi-line solution for operative and dispatch communication used in various industries for control centers and the interaction of various services, increasing worker efficiency and productivity, simplifying interaction, and reducing operational costs.

**Atos Unify OpenScape Cordless Enterprise (DECT)** is a solution that can be fully integrated into Atos Unify OpenScape 4000 voice platforms. Compliance with the international DECT standard guarantees the highest speech quality, wide coverage, high user density, and information security.

**Phantom Active** is a system for centralized recording of conversations of users allowing recording of any type of conversation regardless of the type of telephone or connector lines. Recording can be carried out both automatically and at the request of the user.

## The benefits

The telecommunication infrastructure of the Amurskaya TPP was created with state-of-art technologies in the field of corporate communications. The Atos Unify solution helps to increase transparency and efficiency, improve the quality of corporate governance, and is aimed at sustainable development of the customer's business processes. The communication system of the Amurskaya TPP implemented by SST specialists is well designed for monitoring and analyzing the effectiveness of communications, and it also helps to increase the speed of managerial decision-making.



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