

The project aims to help improve efficiency and reliability of power distribution in the selected load areas served by Electricité du Laos (EDL). This is achieved through the following components: o Smart metering, distribution improvement and distribution losses reduction

The main challenges are inefficient transmission and distribution networks - on average, 13 percent of the supply is lost during distribution - and the lack of a nationally connected power transmission grid. In parts of Laos, such as large urban areas where demand can outstrip supply, electricity supply can be unreliable during peak periods.

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The power transmission system of Lao PDR is divided into two types of transmission lines - one for domestic supply and one for export, where power plants are directly connected to neighbouring countries.

Laos is now playing a key role in the Southeast Asia continent, linking countries in economy and culture, with that, Laos has set the goal to upgrade its power transmission and distribution system to a smart grid with high efficiency. In the face of imperfect power grid, ...

procurement construction (EPC) contracts and Power interconnection system will change to build-operate-transfer (BOT). 8. Electricity Distribution System Development. The government has set targets of 95% for 2020, 98% for 2025, and 100% for 2030. 9. Promote electricity exportation across GMS countries to achieve under MOU that was signed and the

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o Transmission system: updated chapter 3 of Lao Grid Code o Distribution system: requirements for generating facility design and operation; requirements for protection, synchronizing, and

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High distribution system losses and uneven levels of service reliability persisted in the context of fast growth



# Laos smart grid power distribution system

of domestic electric demand. Problems were particularly evident in fast-growing major urban load centers. In response, EDL began implementation of the Power Distribution System Rehabilitation (PDSR) Program in 2013.

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