

## EASTERN SOUTH CHINA SEA

LIUHUA LH 11-1 FIELD

<b>Operator</b>	CNOOC Limited
<b>Water Depth</b>	300 m
<b>Application</b>	Subsea production

**Background**

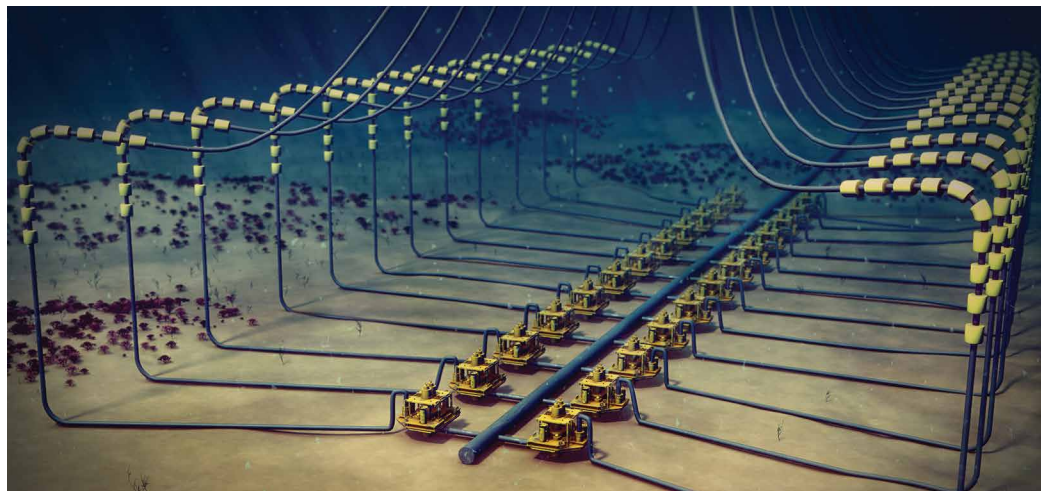
LH 11-1 field is considered to be the largest subsea ESP artificial lift operation in the world; 25 of its wells have been operating with Schlumberger ESPs. After topside and subsea infrastructures were severely damaged by typhoon Chan Chu, all ESP wells were restarted. Today, ESPs in the field have achieved up to 10 years of run life.

**Technologies**

- REDA\* ESP systems
- Phoenix\* monitoring systems
- REDA ESP power cables

## Subsea ESPs Restart After Year-Long Shutdown, Saving CNOOC USD 500 Million

ESPs in South China Sea resume pumping to bring production back on line after devastating typhoon



*Field map of subsea wellhead layout. Current production in the field is about 23,000 bbls per day of crude oil.*