

CenerTech

CenerTech Clean Energy Branch

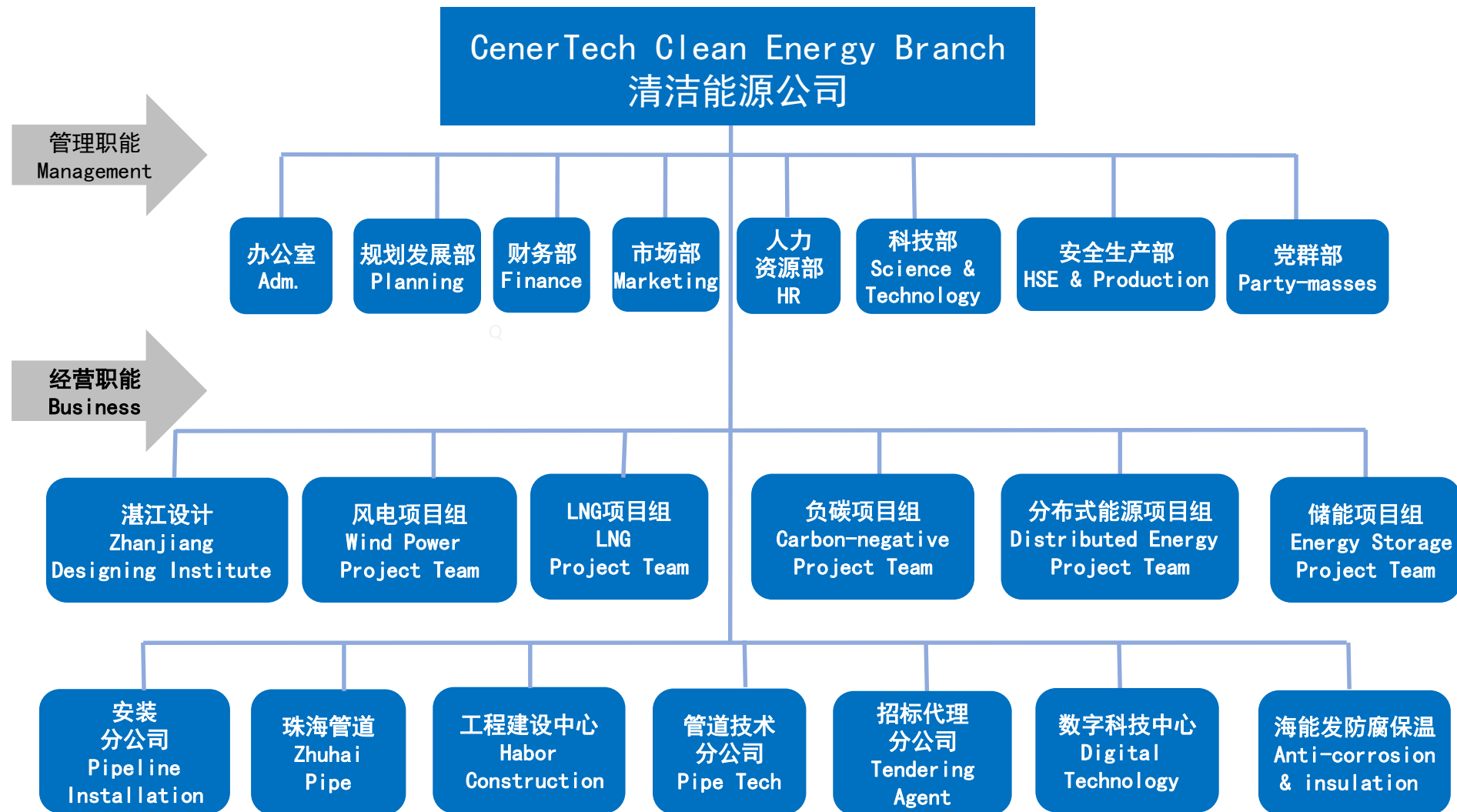


Who We Are

CenerTech Clean Energy Branch was inaugurated and established on January 22, 2021, in Tianjin Binhai New Area. Based on CenerTech Pipe Engineering Branch, Clean Energy Branch was established by merging the New Energy Project Department of CenerTech. Consequently, CenerTech Clean Energy Branch is a comprehensive enterprise integrated with offshore wind power, distributed photovoltaic, CCUS, storage power, pipe coating, joint coating, pipe installation & reparation, harbor & channel construction, etc. At the same time, providing low-carbon technology services.

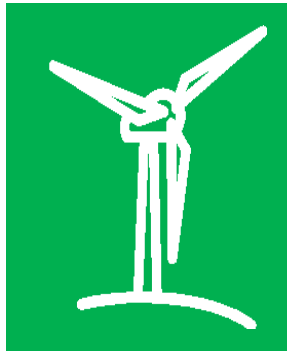


Organization Chart



Scope of business

Clean Energy



Project Management



Pipe Engineering



Main Services

Main Achievements



Solar Photovoltaic

- Development of photovoltaic projects
- Engineering Services
- Intelligent Operation and Maintenance of Photovoltaic Power Plant

- Distributed Photovoltaic Project in Bohai Port Area
- Photovoltaic power generation project of Zhuhai Pipeline Branch
- National Pipeline Network Tianjin LNG Photovoltaic Power Generation Project



Offshore Wind Power

- Engineering Services
- Manufacturing Service
- Construction and Installation
- Operation and Maintenance

- Anemometer Tower Installation Project for Offshore Wind Power in Nan'ao Island, Shantou, Guangdong
- Suzhou Yaosheng Wind Field Inspection and Blade Maintenance Service Project



CCUS

- EPC Services for CCUS
- Program Advisory Services for CCUS
- Engineering Design Services for CCUS

- Bozhong 19-6 Phase I Terminal Engineering CO2 Recycling Project (under implementation)

Main Services

Main Achievements



Storage Power

- Investment, Installation and operation of energy storage power station
- Integrated project of wind power, photovoltaic and energy storage
- Zhuhai Pipeline Energy Storage Project
- Guangdong electric Zhuhai power plant energy storage power station project

Main Services

Main Achievements



Pipe coating (Including deep-water)

- Anticorrosion
- Thermal Insulation
- Concrete weight Coating
- Joint Installation



Pipe Installation

- Onshore and offshore Pipe(including carbon steel pipe and flexible Pipe) Installation
- Pipe Repair
- Landing Pipe Installation



EPC Service

- EPC service of Port and Waterway Project
- EPC service of Civil Project
- EPC service of Offshore engineering

- Chile PIAM Offshore Pipeline Project
- ConocoPhillips Offshore Project
- China Early Phase Gas Infrastructure Onshore Project
- Global Industries Asia Pacific Pte Ltd offshore Project
- CNOOC Fujian LNG Project

- MAHESHKHALI Zero Point Gas Transmission Pipeline Project, Bangladesh
- Weizhou 12-8 East Integration Project Offshore Pipeline & Submarine Cable EPC Project
- Kenli 6-1 Oilfield Flexible Pipe Project
- Fujian LNG Station Line Project Submarine Pipeline Maintenance and Repair Project

- Nanhai Petrochemical Project
- CNOOC Huizhou Refinery project
- Qingdao Manufacture Base Project
- Nanhai LNG Station Pipeline Project

Main Achievements

Offshore Wind Power



Anemometer Tower Installation Project for Offshore Wind Power in Nan'ao Island, Shantou, Guangdong

Main Achievements

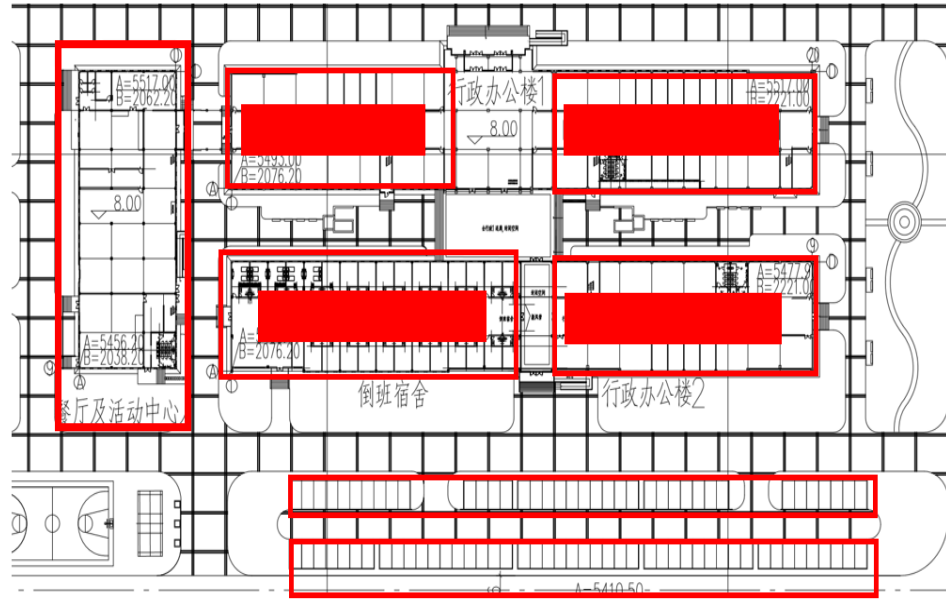


**Subsea pipeline and cable construction
general contracting project**

**Suzhou Yaosheng Wind Field Inspection
and Blade Maintenance Service Project**



Main Achievements



Pipe China Tianjin LNG Photovoltaic Project

Main Achievements

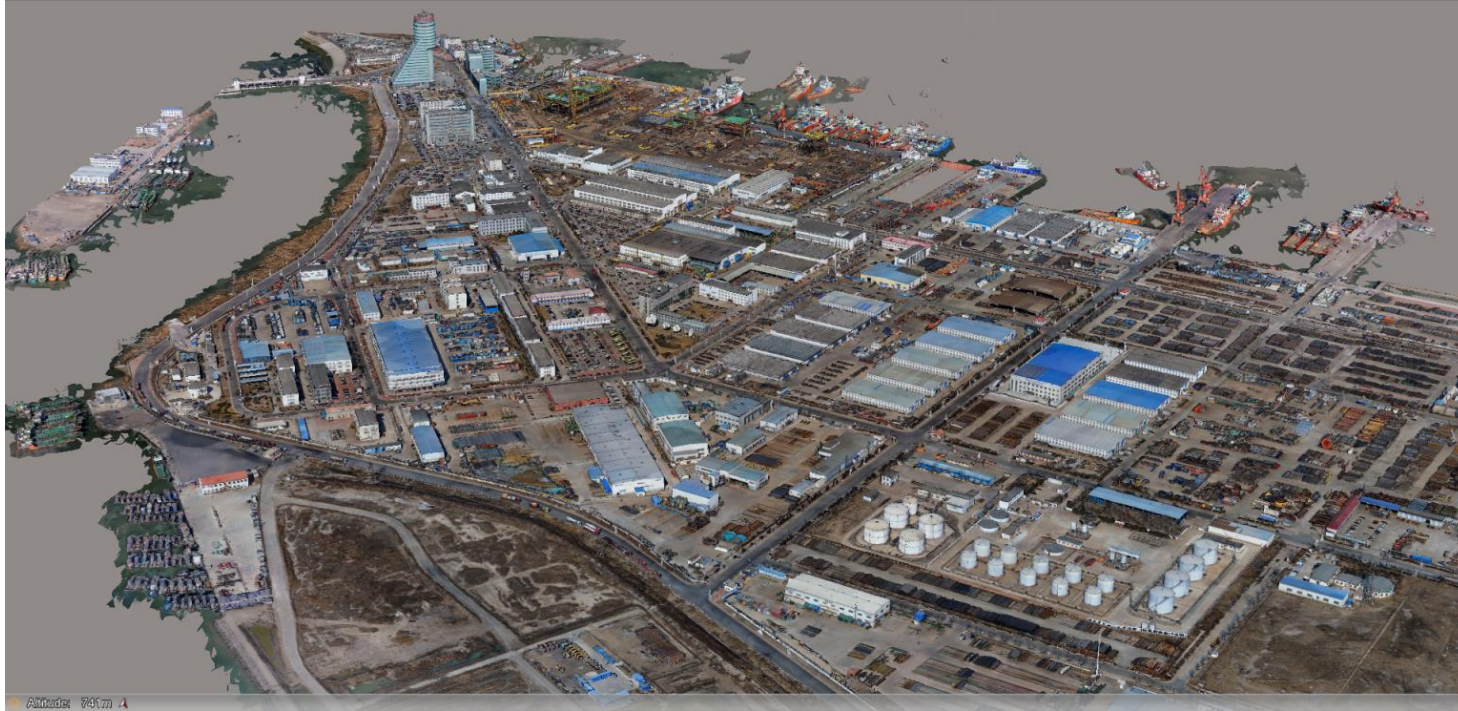


Photovoltaic project of Zhuhai Pipeline Center



Main Achievements

Distributed Energy Project (solar power and wind power)



Distributed Photovoltaic Project in Bohai Port Area

- 3MW rooftop photovoltaic
- 4MW decentralized wind power
- Energy storage
- Micro Power Grid management system

Main Achievements



Guangdong Electric Zhuhai power plant energy storage power station project

Main Achievements

Accumulatively completed 10000 km of pipeline coating



CNOOC Fujian LNG Project: 2008 16" -28"
3LPE
Quantity: 380 Kilometers



ConocoPhillips offshore Project: 2007 12"-15"
3LPE+PU+CWC
Quantity :44 Kilometers



Chana early phase gas Infrastructure
onshore project:
2012 12" Designed by JP kneeey
3LPP+CWC
Quantity :45.5 Kilometers



Global Industries Asia Pacific Pte Ltd offshore
Project:
2012 30"
Field Joint coating services
Quantity:161 Kilometers

Main Achievements

Port Construction

Completed construction of more than 48 wharfs and 150 berths



Nanhai Petrochemical Project

Contract type: EPC
Contract amount: ¥ 242 million



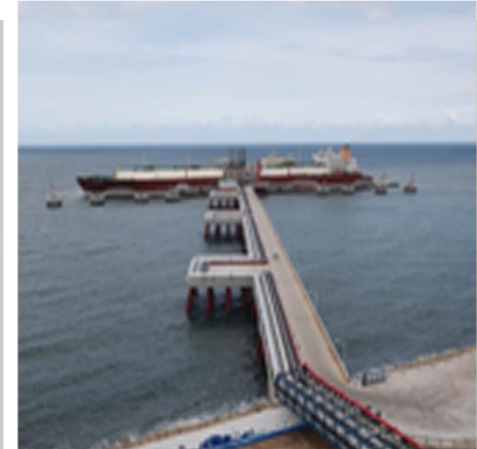
CNOOC Huizhou Refinery project

Contract type: EPC
Contract amount: ¥ 442 million



Qingdao Manufacture Base Project

Contract amount:
¥ 1.298 billion

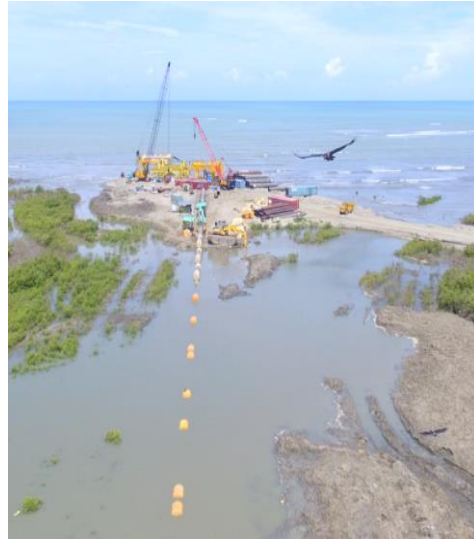


Nanhai LNG Station Pipeline Project

Contract type: EPC
Contract amount: ¥ 204 million

Main Achievements

EPC Pipeline Project



MAHESHKHALI ZERO POINT GAS TRANSMISSION PIPELINE PROJECT(From 2019.1 to 2020.2, Employer: GTCL)

- Design, Engineering and procurement of 42inch pipeline and facilities;
- Construct an approximately 7KM of pipeline;
- Construct two steel structural platforms;
- Testing, pre-commissioning and commissioning.

Main Achievements



Bohai Kenli 3-2 oilfield flexible tube laying and submarine cable emergency maintenance, routing investigation, post-treatment services



Thank you !