COOEC
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Products Research & Development
Oil Gas Water Treatment Products

OFFSHORE OIL ENGINEERING

Oil Gas Water Treatment Products

COOEC has independently mastered the overall design, manufacturing, and supply capabilities of production separators, test separators, slug flow catchers, and production water treatment equipment, pressure vessel skids for more than 3,000 sets, and has 8 patents, covering conventional oil and gas field, high-pressure gas fields, high-density viscosity oil fields, FPSO, onshore oil fields and other usage environments. The product feedback shows good usage effects.

Patents

Oil Gas Water Treatment Products

TEG TECHNICAL PARAMETER

- SYSTEM PROCESS SCOPE: 600000 SCF/D-6000000 SCF/D
- DEHYDRATION DESIGN PRESSURE SCOPE: 8000KPAG-17000KPAG
- DEHYDRATION: 40 MG/SCF

LPG PARAMETER

SEQUENCE NUMBER	DESCRIPTION	PROJECT	QUANTITY	EFFICIENCY	DIMENSION
1	DEETHANIZER	Liuhua16-2	1	18635kg/h	1400mm(ID)x28400mm(T/T)
2	DEBUTANIZER REBOILER	Liuhua16-2	1	1482KW	/
3	DEBUTANIZER	Liuhua16-2	1	16360kg/h	1400mm(ID)x32590mm(T/T)
4	DEBUTANIZER REBOILER	Liuhua16-2	1	1784KW	/
5	DEBUTANIZER OVERHEAD CONDENSER	Liuhua16-2	1	2083KW	/
6	LPG REFLUX PUMP	Liuhua16-2	2	45.3m³/h(each)	/
7	LPG REFLUX DRUM	Liuhua16-2	1	19361kg/h	1900mm(ID)x4450mm(T/T)
8	LPG STORAGE TANK	Liuhua16-2	4	/	6400mm(ID)x17500mm(T/T)
9	LPG EXPORT PUMP	Liuhua16-2	3	160m³/h(each)	/

PRODUCTION SEPARATOR

BOG RE-CONDENSER

CFU

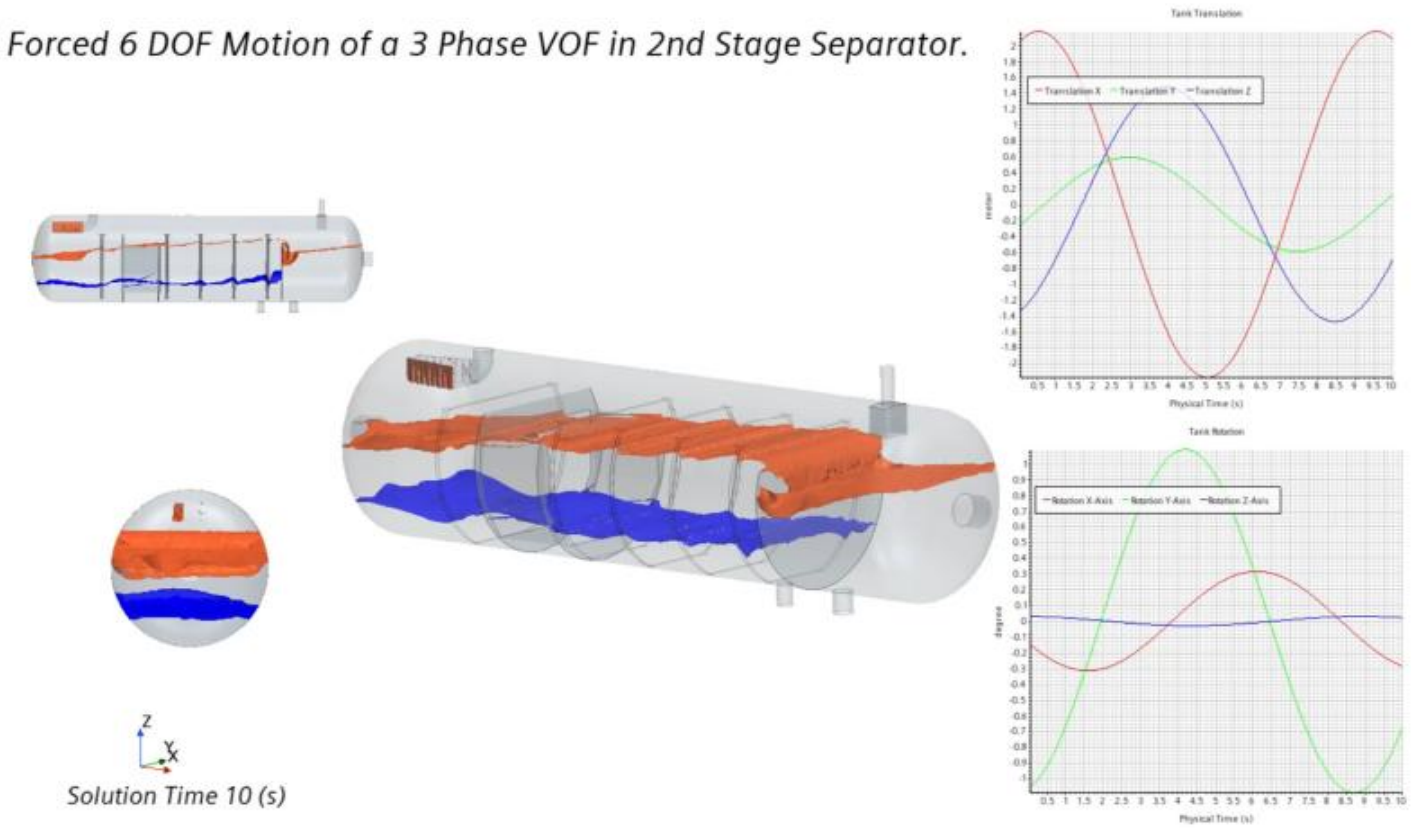
DUAL MEDIUM FILTER

HEAT EXCHANGER

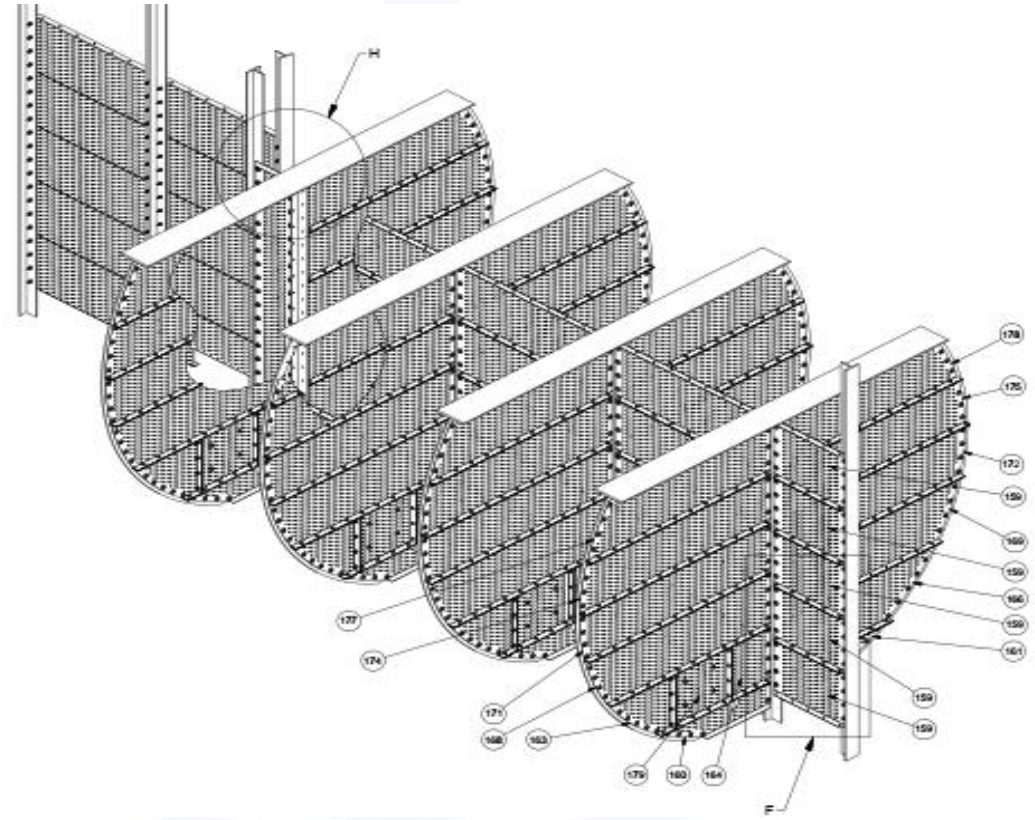
WATER INJECTION/PRODUCTION MANIFOLD

Oil Gas Water Treatment Products

To meet the requirements of reducing costs and increasing efficiency, enhancing product core competitiveness, optimizing the design and usage of process components while improving the treatment efficiency of the separator, optimizing the design scheme of the separator through CFD numerical simulation, and analyzing the separation effect under shaking conditions.



CFD numerical simulation analysis



FPSO Waveproof Board Design

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Empower the Future with Excellent Engineering

THANKS

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