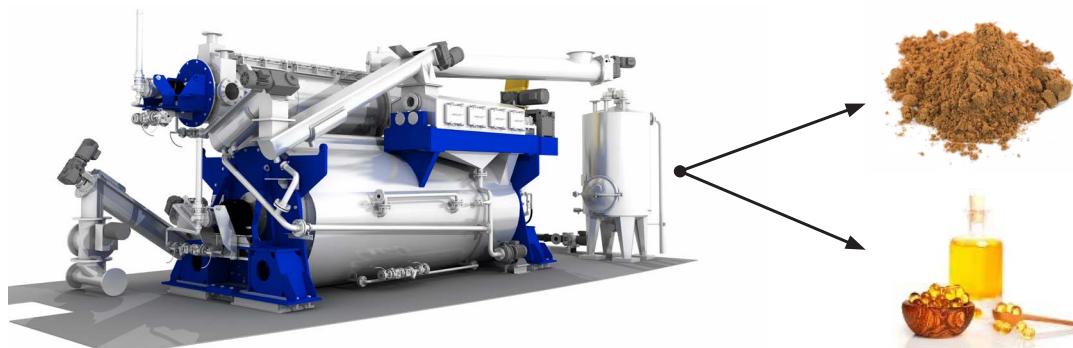


AMOF | FJELL
PROCESS TECHNOLOGY
Ship



AMOF FJELL PROCESS TECHNOLOGY A PASSION FOR INNOVATION

For more than forty years, AMOF Fjell Process Technology has been designing specialized high-pressure process equipment for fish industry, sludge treatment plants, oil and gas production and processing. We also design and deliver complete or partial systems related to plants for protein extraction, sludge and liquid waste treatment.

AMOF FJELL PROCESS TECHNOLOGY:

ON-BOARD FISHING VESSEL PLANTS AND COMPACT PLANTS

A global innovator within mechanical thermodynamic high-pressure process systems and equipment

Compact Fishmeal Plant



Capacity: 48T/D



Capacity: 60T/D

AMOF Fjell Process Technology has long history of designing, manufacturing, installing and commissioning compact fish meal plants for on-board fishing vessels. Typical plants have a capacity range of between 15 to 700 tons of raw materials per day.

Compact Fishmeal Plants (typical):

Type	CFP-30*	CFP-48*	CFP-60	CFP-80
Raw material capacity**	30 ton/24 hr	48 ton/24 hr	60 ton/24 hr	80 ton/24 hr
Meal output**	4.7 ton/24 hr	8.0 ton/24 hr	10.0 ton/24 hr	13.4 ton/24 hr
Press liquid output**	0.86 m ³ /hr	1.38 m ³ /hr	1.68 m ³ /hr	2.30 m ³ /hr
Steam consumption**	550 kg/hr	900 kg/hr	1 150 kg/hr	1 550 kg/hr
Cooker	TC1-2.5	TC2-3	TC3-5	TC3-5
Press	TP21-2	TP23-2	TP24-2	TP-24-2
Tricanter	Z2E-4/441	Z3E-4/441	Z3E-4/441	Z3E-4/441
Drier	TD-30	TD-50	TD-60	TD-90
Space requirement (LxWxH)***	8000x4000x3000	9000x5000x3000	13000x5000x3000	15000x5500x3500
Dry weight***	10 ton	16 ton	30 ton	35 ton
Electric installation	70 kW	130 kW	130 kW	150 kW

PROCESS PLANT DESIGN

- Concept Studies
- Pilot and Testing
- Complete Plant Design
- Design/Delivery of Equipment
- Management
- Engineering
- Procurement
- Fabrication
- Installation
- Supervision
- Commissioning

AMOF FJELL BUSINESS AREAS:



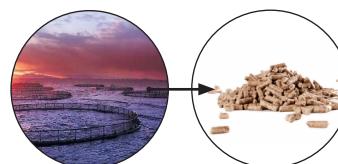
FISH OIL



FISH MEAL



PROTEIN CONCENTRATE

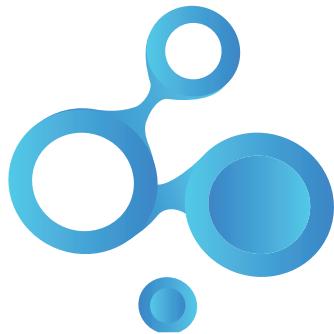


SLUDGE



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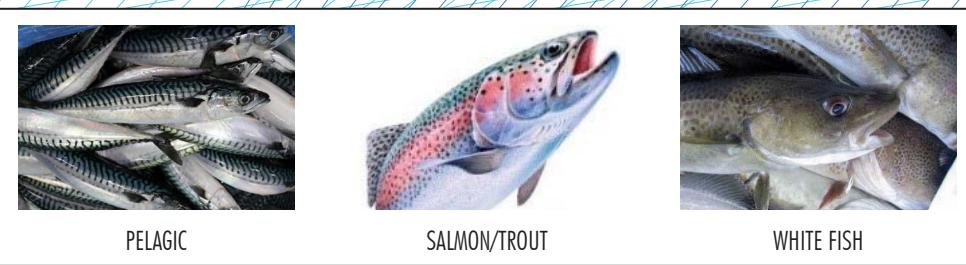
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PROCESS TECHNOLOGY

Land



3 off - Steam driers - TD-440-220



AMOF FJELL PROCESS TECHNOLOGY

A PASSION FOR INNOVATION

AMOF Fjell has a wide range of experience from modifications and delivery of fish meal plants, fish silage plants, sludge plants, waste heat evaporator plants, waste water treatment plants etc. for the fishing industry, fishing vessels, land based industry and offshore activities.

AMOF FJELL PROCESS TECHNOLOGY:

COST-EFFECTIVE SOLUTIONS WITH OPTIMISED DESIGN AND MATERIALS

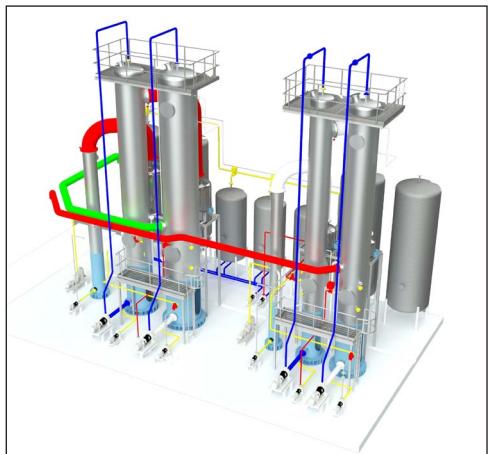
By combining our mechanical design and materials technology experience with high-end process engineering; thermal calculation, fluid flow, fluid mechanics- AMOF Fjell is able to create robust and effective process equipment design solutions with optimised design, materials, increased capacity and extended operating life

Waste Water Treatment Plant:



Norsk Spesial Olje AS, Rafnes – Telemark.
Delivery in 2014. Waste Heat Evaporator.
Capacity of approx. 50.000 tons/year

Waste Heat Evaporator plant at Kunashir Island (FE Russia):



YUKR, Kunashir Island (Far East Russia) /
ASTW Delivery 2018 (Ongoing contract)
Fish meal factory: Capacity of approx. 500
tons/day

Process Equipment within AMOF FJELL expertise:

- Dryers
- Evaporators & Condensers
- Coagulators, Preheaters and Cookers
- Shell & Tube Heat Exchangers
- Vapor Handling Equipment
- Process Skids
- Pressure Vessels

AMOF FJELL BUSINESS AREAS:



FISH OIL



FISH MEAL



PROTEIN CONCENTRATE



SLUDGE

PROCESS PLANT DESIGN

- Concept Studies
- Pilot and Testing
- Complete Plant Design
- Design/Delivery of Equipment
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