



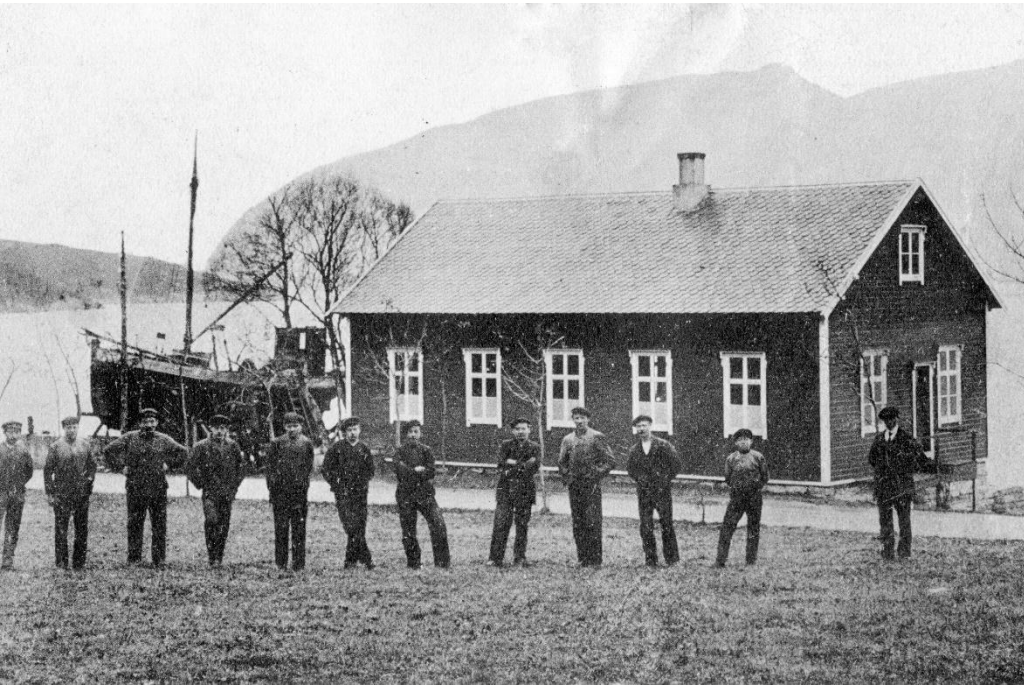
INNOVATIONS SINCE 1912

BRUNVOLL

PRECISION IS OUR PASSION



113 YEARS OF ENTREPRENEURSHIP



**5 LOCATIONS
IN NORWAY**



**AGENTS IN
20 COUNTRIES**



**~600 EMPLOYEES
~40 APPRENTICES**



**~ 75% EXPORT
12 000+ UNITS**



**~ 2 BNOK
REVENUE**

Systems for all shiptypes



Brunvoll the ferry journey

- Propulsion
- Maneuvering

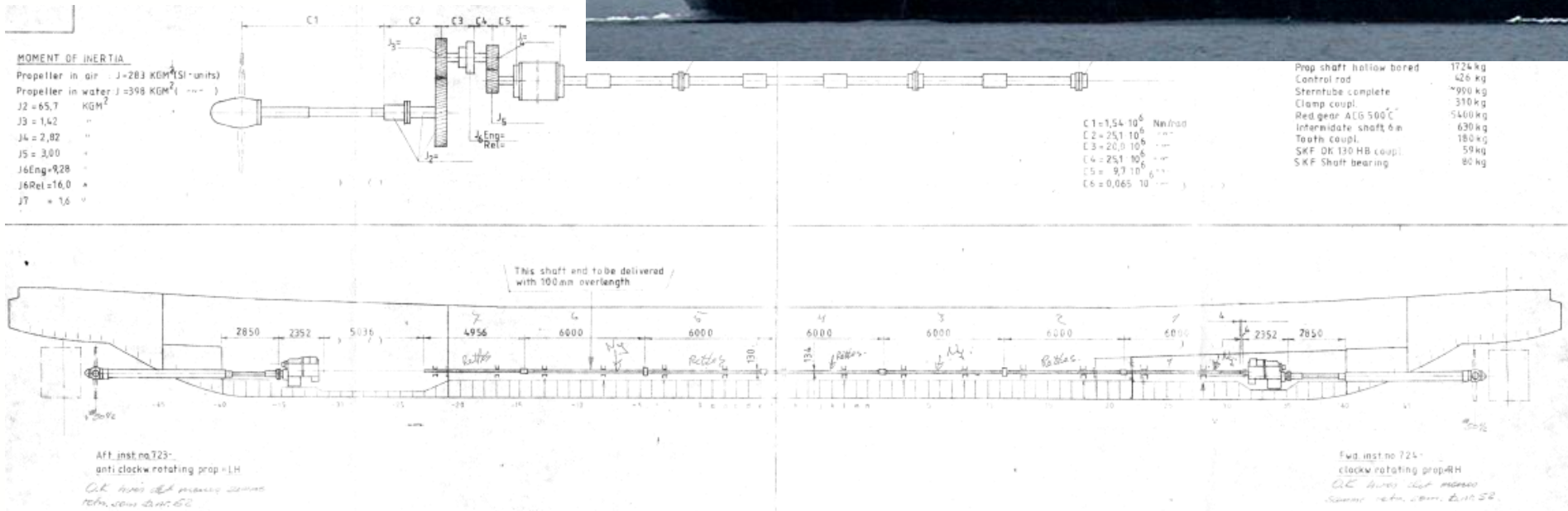
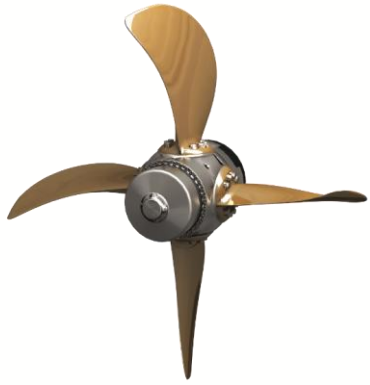


Brunvoll the ferry journey

- 1969 MF Rosendal
 - Stil in operation
 - Same Gearbox and propeller
-
- 2026 largest hydrogen fuelled Vessel
 - Brucon Auto rossing
 - Pulling Thrusters

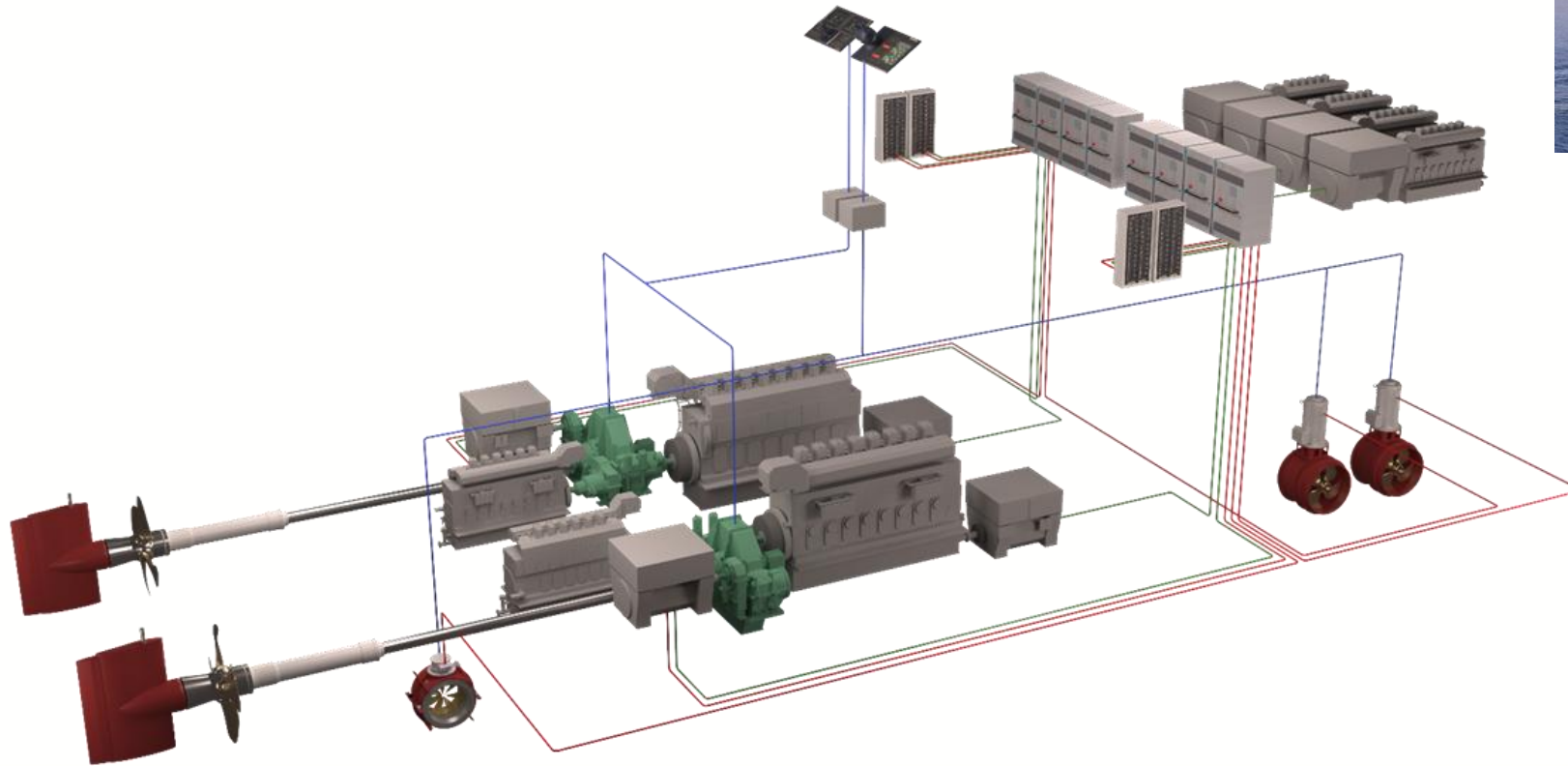


1987 Dubbel Ended Ferry - Feathering Propeller Upgrade 2016



2019 - Hybrid - Electric Diesel Electric - Diesel Mecanic

Hybrid Propulsion System



2021 Passenger / Cruise / Yacht / Ro-Pax

Plug-in Hybrid Catamaran

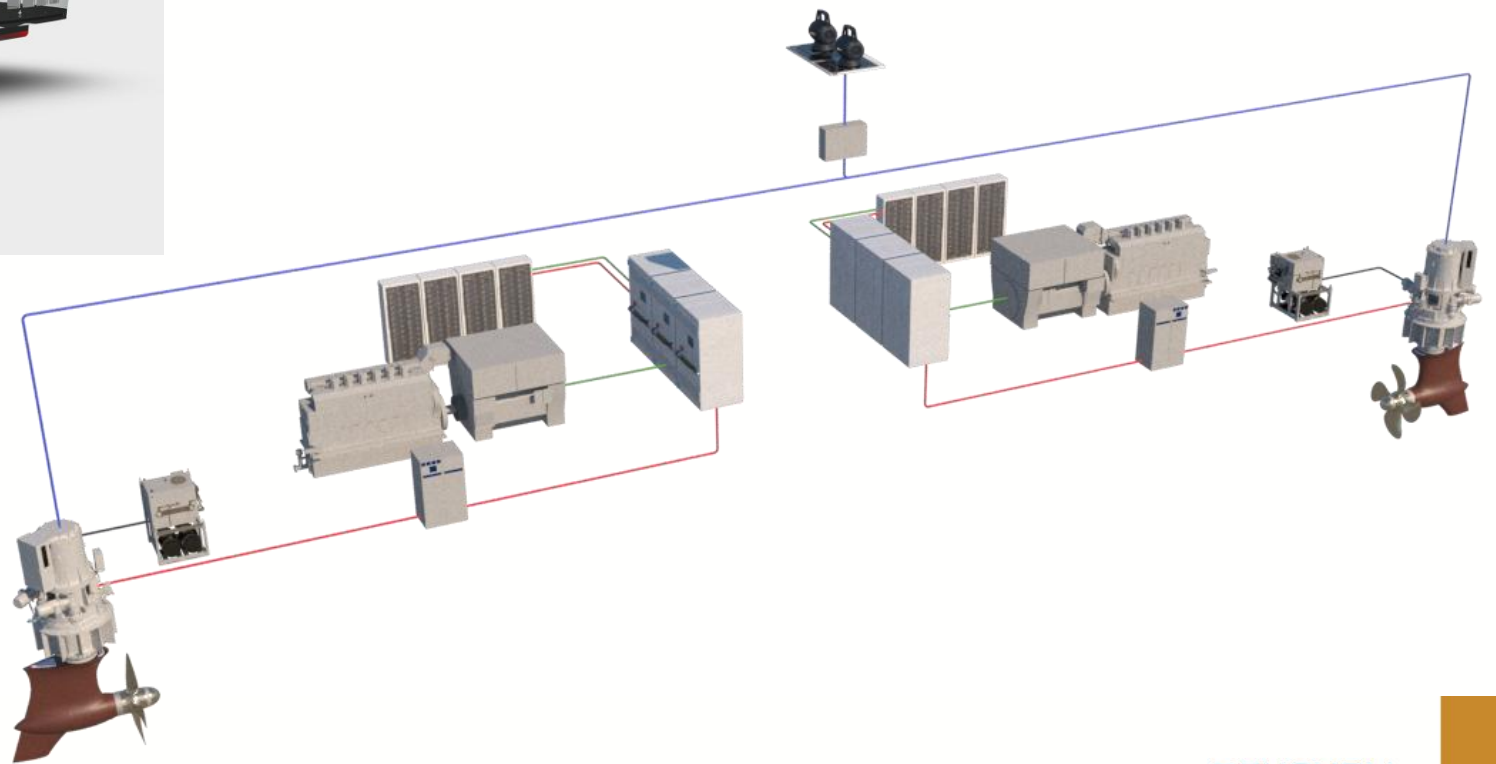


"Erla Kongsdóttir"

Brunvoll system supply;

- *PM El. Motor*
- *Battery System*
- *Control System*
- *Steering Gear*
- *EMS «Energy management System»*
- *Inverters & DC Switchboard*

2024 Hybrid / Electric / Auto crossing / Auto docking



Reference Ferry Propulsion 80+

Fjord 1		
IMO no	Vessel name	Annlegg
7368748	VEØY	2391
7710501	Sunnfjord	V347,V348
7725893	Stordal	V331,V332
8110980	Sogn	V513,V514
8311302	Sognefjord	V6,V600,V601,V61
8505458	Dalsfjord	V665,V666
8610136	Selje	V723,V724
8816027	Gulen	V823,V824
9855135	FEDJEBJØRN	11359,11360,11361
9855147	BØMLAFJORD	11375,11376,11377
9855159	MØRINGEN	11455,11456,11457
9855161	SMØLA	11460,11461,11462
9855173	STANGVIKFJORD	11463,11464,11465

Steamship

IMO no	Vessel name	Annlegg
9472440	AQUINNAH	1823 - 1824
9472438	Barnstable	1821 - 1822
9472426	Monomoy	1765 - 1766

Color line

IMO no	Vessel name	Annlegg
9824289	Color Hybrid	2222-2223

Can Fjord Ferries Ltd.

IMO no	Vessel name	Annlegg
9035163	Svanoy	692 - 693

Boreal

IMO no	Vessel name	Annlegg
8411009	MF Alsten	627,628
7369170	MF Haarek	150
7034189	Lofotferje 1	36
9035175	MF Møysalen	966, 967
9165334	MF Petter Dass	1127, 1128, 1828
7638533	MF Rana	264
9030369	MF Sigrid	950, 951, 3051
7325679	MF Lokta	126, 127
9702053	Hanøy	3170,3171, 3172, 3173
9753806	Årøy	3311,3312,3313,3314
9605346	Falkefjell	2851,2852,2853,2854
9563172	Fløyfjell	2821,2822
9177076	Helgeland	1846,1847, 3370,3071
9563160	Kistefjell	2819, 2820
9190846	Kobbøy	1874,1875,2654,2655
9172789	Mårøy	1824,1825
9199725	Renøy	1906,1907
9168661	Rypøy	1822,1823
9562996	Sollifjell	2817,2818
7393638	Tomma (Ferge)	2033
8811209	Tjøtta	1772

Torghatten

IMO no	Vessel name	Annlegg
6925678	Rosendal	19
7725910	Ramtind	372
7601669	Røsund	239 - 240
7633662	Remotorisert	242
7608758	Bognes	260
7814333	Heilhorn	280 - 281
7805162	Virak	373 - 374
9030357	Rødøy	948 - 949
9030371	Lysingen	952 - 953
9018634	Trondheim	978 - 979
9056301	Tysfjord	993 - 994
9056313	Hamarøy	995 - 996
5132626	Herlaug	1040
6714811	Norafjell II	1077
9144081	Bastø I	1119 - 1120
9144093	Bastø II	1121 - 1122
8615277	Kjella	
7214583	Skutvik	34-35
7405948	Karlsøy	339
7325459	Bogøy	
9196876	Ørtind	
9196735	Fjordprinsessen	
9353929	Kvænangen	
9014494	Nordfolda	
9157818	Ofoten	
9030357	Rødøy	948-949
9168659	Rødøyloven	
9576052	Foldafjord	
9699933	Frovær	
9052496	Frøyfart	
8805353	Geisnes	
6827606	Levanger	
9432177	Trondheimsfjord I	
9432189	Trondheimsfjord II	
9264348	Vetlefjord	
9111711	Vegtind	

BruCon

- Automation Platform



Joystick & DP Control System

Operational modes:

- Joystick Manual
- Joystick Auto heading
- Station Keeping
- Waypoint Tracking
- Target Tracking
- Towing
- ECO mode



BruCon System Design

- IPC & I/O-card based (replaces oldfacion PLC)
- Supports all propulsion & thruster types
- Condition monitoring system
- Motor starters & compact drives (AC/DC grid)

- Bridge control with clear visualization
- Customizable user interface
- Optimized software for fuel efficiency
- Comply with OpenBridg Standard
- Instant response, no delay

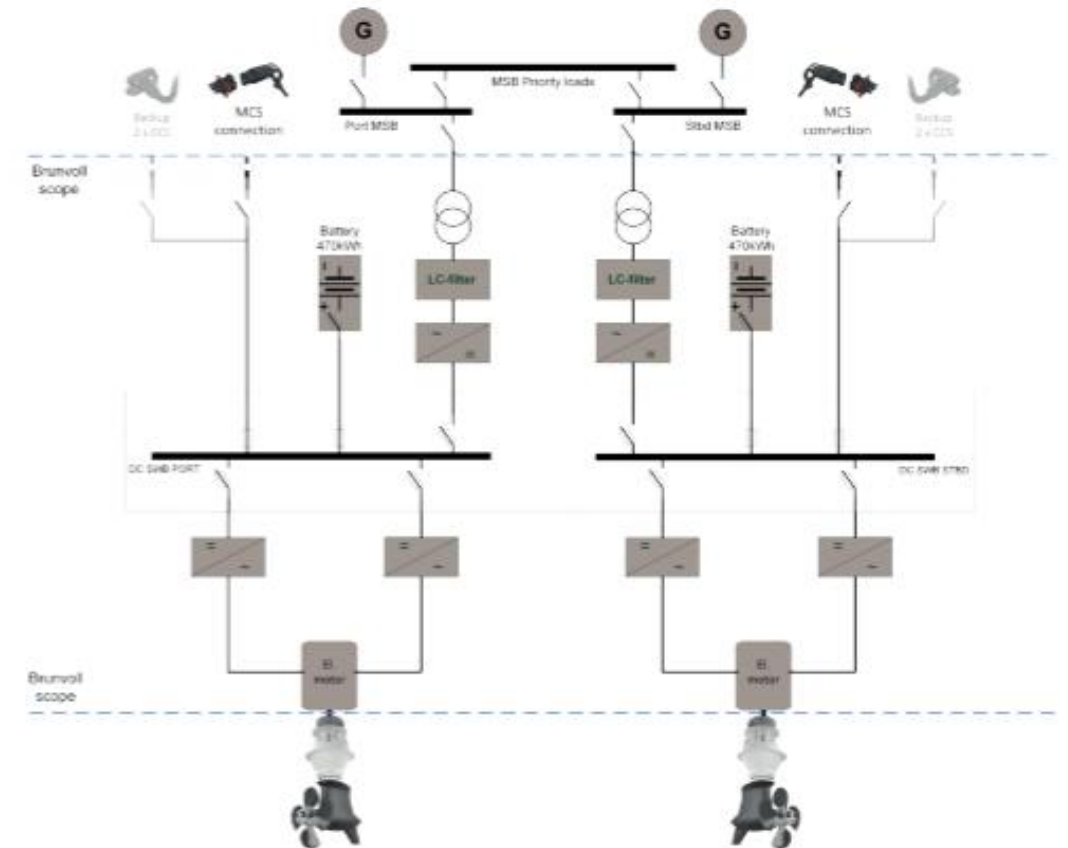


Retrofitt - Service



1998 Ryggerbuen Upgrade to electric 2024

- Battery System 940 kW
- EMS system
- EI motors 331 kw
- Charging systems



1968 "MF Levanger" owned by Torghatten AS

Overhaul of 55-year-old gearbox

