

International Brokerage Event
Brussels, 26-27/10/2017



ELKON Elektrik San.Tic. A.S

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Description of the Organization

ELKON

Company overview

▶ Area of Activity

- Largest Low Voltage Electric Company in Turkish Shipbuilding Industry

▶ Foundation Year

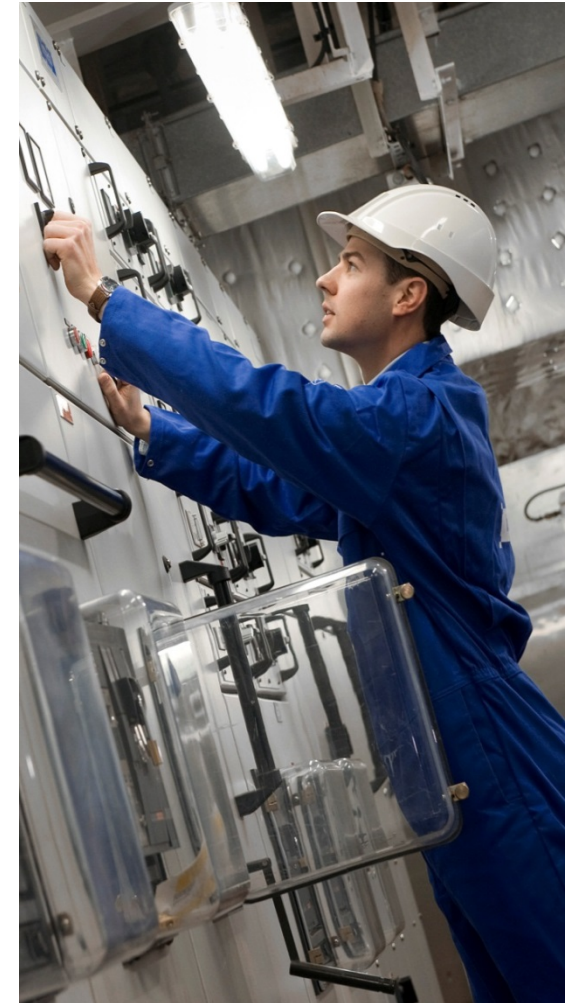
- 1980

▶ Success Record

- Delivered over 490 electrical, 540 automation projects

▶ Company Certificates

- Integrated Quality System ISO 9001 - 14001 – 18000
- NATO Facility Security Clearance



Description of the your research interest

elkon *Marine and Electrical Technologies R&D Center*

- ELKON has been awarded as R&D Center by Ministry of Science, Industry and Technology of Turkey
- ELKON Marine and Electrical Technologies R&D Center has 24 Researchers and 4 Technicians specialized in Marine Electric.



elkon Marine and Electrical Technologies R&D Center previous projects



Seaspan Swift, the first of two innovative ro-pax ferries

- DC Busbar and Multiple Drive Approach of ELKON
- LNG/Hybrid propulsion system consisting of Wärtsilä duel fuel engines which run mainly on LNG and a Corvus battery energy storage system.
- 14 percent efficiency improvement and a massive reduction in the GHG emissions calculated on a per trailer basis compared to the ships they are replacing.
- **Nor-Shipping 2017 Energy Efficiency Awards Nominee**

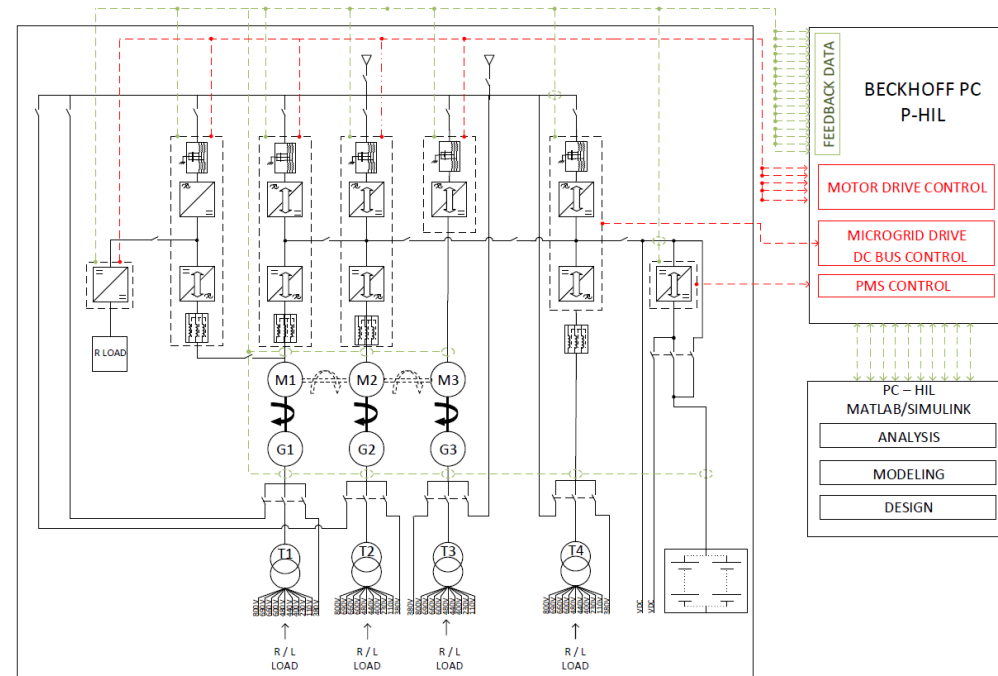
elkon Marine and Electrical Technologies R&D Center

Ongoing R&D Projects

- **Vessel Electrical Distribution Emulator Project,**
(waiting for TUBİTAK approval)
- **Ship and Offshore units REsilience At Sea (SOREAS) applied to MARTERA 2017 2nd Phase (elkon is Coordinator)**

– *Partners:*

TU Delft, Uni.of Calabria, Turk Loydu



Partnership request for Marine Electric System Integrator for following calls:



Call Code	Call Name	Type of Action	Budget per Project	TOTAL Budget for call	Deadline
LC-MG-1-8-2019	Retrofit Solutions and Next Generation Propulsion for Waterborne Transport	IA-RIA	3M- 6M EUR	8 M EUR	16 Jan 2019 12 Sep 2019
MG-3-2-2018	The Autonomous Ship	IA	10M- 20M EUR	20 M EUR	30 Jan 2018 19 Sep 2018
MG-3-3-2018	"Driver" behaviour and acceptance of connected, cooperative and automated transport	RIA	3M- 4M EUR	12 M EUR	30 Jan 2018 19 Sep 2018
MG-BG-01-2018	Unmanned and autonomous survey activities at sea	RIA	8 M EUR	8 M EUR	04 Apr 2018
MG-BG-02-2019	Ship emission control scenarios, marine environmental impact and mitigation	RIA	8 M EUR	8 M EUR	24 Apr 2019

Consortium - required partners



Profile of the partners sought:

-Project Coordinator

-Ship Design firms (Already cooperation with Turkish ship design company)

-Shipyards (Existing cooperation with Turkish Shipyards, EU shipyards are welcomed)

-Battery Manufacturers (Already talks are ongoing with some of marine battery manufacturers)

-Research Institutes (all research institutes are welcomed)

-Universities (EU universities' electrical, mechanical and shipbuilding engineering departments are welcomed.)

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Recommendations

- The presentation **has to** last up to **4 minutes (maximum)**
- Do not overload your slides
- Provide weblinks to additional material
- Slides should be in English
- Do not use videos etc. – they might be not supported by the Infoday IT system
- Send your presentations in PDF format to: CoF@turkeyinh2020.eu until **23 September 2016.**