



Società Elettromeccanica Arzignanese

OVERVIEW SUSTAINABILITY REPORT 2023



S.E.A. Società Elettromeccanica Arzignanese S.p.A.

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SEA - BETWEEN HISTORY AND INNOVATION

Since 1959, we have been designing, manufacturing and providing after-sales assistance of electric liquid immersed and dry type reactors and transformers for distribution, power and special application.

Our business activities include winding construction, magnetic core creation, execution of thermal and insulation treatments, final assembling, and test and acceptance testing procedures.

The products we offer are characterised by high quality standards and are the result of the expertise and professionalism of our collaborators. Our commitment to the values of innovation and quality has allowed us to establish our position on the national and international electrical market, yet without ever forgetting our ancient roots as a craftsman's workshop.

At SEA, we firmly believe that ongoing evolution is the key for continuously improving our offer and services. Our offer stands out on the market thanks to 65 years of experience in the industry and to the use of the most advanced production technologies.

TECHNOLOGY, RELIABILITY AND SAFETY ARE THE PRINCIPLES THAT DRIVE OUR ACTIONS.

INNOVATION AND SUSTAINABILITY ARE THE VALUES THAT GUIDE OUR EVOLUTION TOWARDS THE CHALLENGES OF THE FUTURE.

VISION

TRANSFORMING THE FUTURE.

Through state-of-the-art technology, quality and commitment to customer satisfaction, we aim to be a leading manufacturer of transformers, reactors and electromechanical components.

MISSION

SUPPORTING THE FUTURE.

We aspire to develop the knowledge and industrial culture to provide processes and solutions that improve well-being, sustainability and productivity, enabling our customers to increase energy efficiency in this digital age.

OUR VALUES



TECHNOLOGY

To us, technology represents a continuous dedication to innovation. We are committed to creating advanced and sustainable solutions that ensure competitiveness and growth.



RELIABILITY

For us, reliability means continuity and security. It represents the ability to live up to the high quality standards that have always characterised our production, delivering optimal performance and fostering the trust of our customers.



SAFETY

Process and product safety is a fundamental value that protects not only the well-being of our collaborators, but also the efficiency and operational continuity of our company.



SUSTAINABILITY

For us, sustainability means working in harmony with people and the environment, promoting solutions that reduce negative impacts on communities and the environment, and preserving resources for future generations. It is a principle that guides the company's actions towards achieving a balance between progress and responsibility.

OUR PRODUCTS

We offer a complete range of **distribution transformers, power reactors and coils** intended for the utilities, EPCs, renewables/non-renewables, industrial, and energy transition sectors.

Our offer features both **standard and customised products**, made to meet specific customer needs.

Our products fall into two main categories: liquid immersed transformers and dry type transformers.



More specifically, **liquid immersed transformers** include:

- **Distribution transformers**, with a rated power ranging from 25kVA to 3150 kVA and primary voltage of up to 36 kV;
- **Power transformers**, with a rated power of up to 180 MVA and primary voltage of up to 245 kV;
- **Transformers for rectifiers and converters**, with a rated power of up to 120 MVA and an operation of up to 72 pulses;
- **DC furnace transformers** with a rated power of up to 150 MVA and a secondary side rated current of up to 120 kA;
- **Reactors and coils** of up to 30/50 MVar and insulating level up to 750kV.



Dry type Transformers include:

- Distribution and power **cast resin transformers**, and special transformers for rectifiers and converters, with a rated power of up to 30 MVA and primary voltage of up to 72.5 kV;
- **Air-insulated transformers**, with a rated power of up to 25 MVA and primary voltage of up to 40.5 kV;
- **Reactors and coils** of up to 15 MVar and insulating level up to 200kV.

ENVIRONMENT

Reference period 2021-2023

reduction of methane consumption

-31%

reduction of energy consumption

-5%

reduction of water consumption

-11%

reduction of Scope 1 emissions

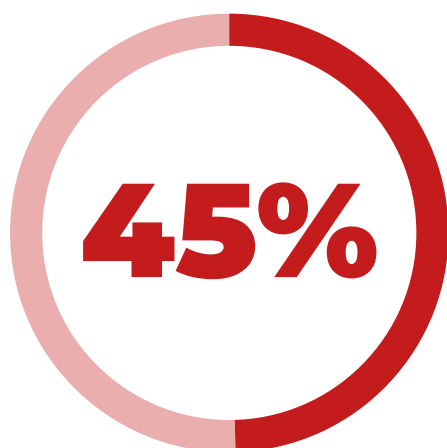
-26%

reduction of energy intensity relative to net revenue

-54%

reduction of energy intensity per functional unit (kVA produced)

-33%



share of electricity from renewable sources (purchased and self-produced)

(+9% over the 2021-2023 three-year period)

-22%

reduction of non-hazardous waste sent for disposal

PEOPLE

Reference period 2021-2023

increase in employees

+16%

increase in female employees

+22%

reduction of the injury frequency rate

-55%

reduction of the injury severity rate

-63%

Data for 2023

percentage of employees residing in the province of Vicenza



Data for 2023

total training hours delivered

4,011

(+77% over the 2021-2023 three-year period)

€ 144,644

total amount of sponsorships and donations in 2023

(+85% over the 2021-2023 three-year period)

GOVERNANCE

Governance tools



number of Italian suppliers in 2023



percentage of suppliers based within 500 km of SEA headquarters



percentage share of the value of purchases made in Italy



SHARED VALUE

	2022	2023	diff.
Purchases	76,270,917	85,334,179	+12%
Salaries	9,787,501	11,088,035	+13%
Interest and financial charges	203,596	416,422	+105%
Sponsorships and donations	63,130	144,644	+129%
Taxes	1,573,219	5,842,994	+271%
Total value distributed to stakeholders	87,898,363	102,826,274	+17%
Retained earnings	4,532,749	15,397,638	+240%
Total value generated	92,431,112	118,223,912	+28%

118,223,912

TOTAL VALUE GENERATED

85,334,179

PURCHASES

11,088,035

SALARIES

102,826,274

TOTAL VALUE
DISTRIBUTED TO
STAKEHOLDERS

144,644

SPONSORSHIPS
AND DONATIONS

416,422

INTEREST AND
FINANCIAL
CHARGES

5,842,994

TAXES

CERTIFICATIONS AND RATINGS



ISO 9001



ISO 14001



ISO 45001



ISO 14040 (LCA Analysis)



ISO 14025 (EPD Validation)



Ecovadis - **silver**



Open ES - **scoring 95/100**



Legality Rating ★ ★ + +

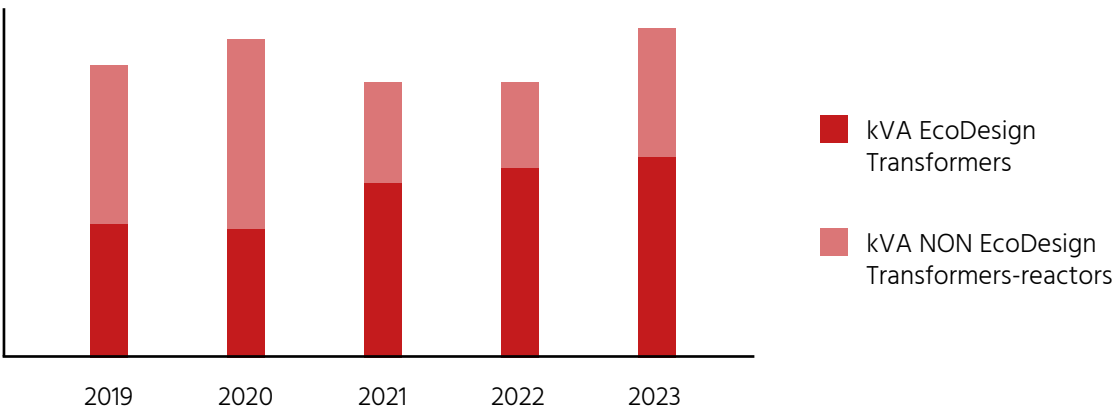
OUR APPROACH TO ECODESIGN

We are actively involved in the research and development of more environmentally sustainable transformers. In particular, since many of the components of the products are recyclable as they are made of metal, an analysis of the transformers produced in recent years has been carried out according to the principles of the **EcoDesign** Regulation (EU Regulation No. 548/2014).

Thanks to this approach, we are rethinking the entire process of conception, design, sale, use and disposal of our products in order to reduce their impact and, at the same time, focus on the principles of circular economy and sustainability.

In particular, the eco-friendly design of our products will be increasingly based on the use of environmental assessments within the research and development and engineering process, with the aim of developing solutions that minimise environmental impact at every stage of their life cycle.

INCIDENCE OF TRANSFORMERS ACCORDING TO THE ECODESIGN REGULATION (kVA)



Year	kVA from EcoDesign Transformers	kVA from NON EcoDesign Transformers-reactors	Overall Total kVA
2019	2,084,470	2,475,769	4,560,239
2020	2,051,574	2,696,498	4,748,072
2021	2,762,091	1,395,064	4,157,155
2022	3,213,373	953,133	4,166,506
2023	3,446,334	1,583,270	5,029,604

69%

**THE INCIDENCE OF ECODESIGN TRANSFORMERS
ON TOTAL PRODUCTION IN 2023**

