

elca radiocontrols

**ELCA**  
RADIOCOMANDI





# Our History

**1991**  
Year of  
founding

**1996**  
New Headquarters in  
Romano d'Ezzelino

**2004**  
ISO 9001  
Certification

**2005**  
New Headquarters  
Mussolente

**2012**  
Introduction  
kaizen method

**2017**  
2017 iF Design Award  
handheld industrial safety  
radio control MIA

**2022**  
Implementation of  
photovoltaic system

**2023**  
External and internal  
upgrading





# Our Commitment

**Elca** radio remote controls are manufactured in Italy using advanced electronics, attention to detail and to design.

The skills acquired since **1991** allow the continuous improvement of products, solutions and processes; internal staff is always involved and empowered, enhancing their work and professionalism.

ELCA “**must**”: dedicated customer service, quality of components, reliability of products, ease of use, safety and Italian design.



# Customer Service

**Customer Service** accompanies the customer with the support of competent technicians to choose the most suitable product, standard or customized. Offers are timely and delivery is fast. The Service team responds quickly to customers' needs in first use and to ensure a long and fulfilling life cycle.

We are **fast** because:

- standard, high-turnover radio controls available from stock;
- dedicated assembly workstations, for customization or special products;
- spare parts shipped within one business day.







# Team

In **Elca** there are all the professional skills needed to offer quality and long-lasting industrial radio controls: designers, industrializers, production technicians, customer service assistants, dedicated sales and commercial technicians, technical support, logistics and quality control.

All areas are constantly updating to improve and refine the organization, which also enjoys a quality certification (TÜV Italia).





# Mission

*We strive to improve ourselves every day, following simple concepts....*



**continuous  
improvement**



**collaboration**



**respect  
for people**



**sense of  
responsibility  
and belonging**



**training**



📍 we are here !



ELCA srl  
Via del Commercio 7/b  
Mussolente (VICENZA)  
ITALY



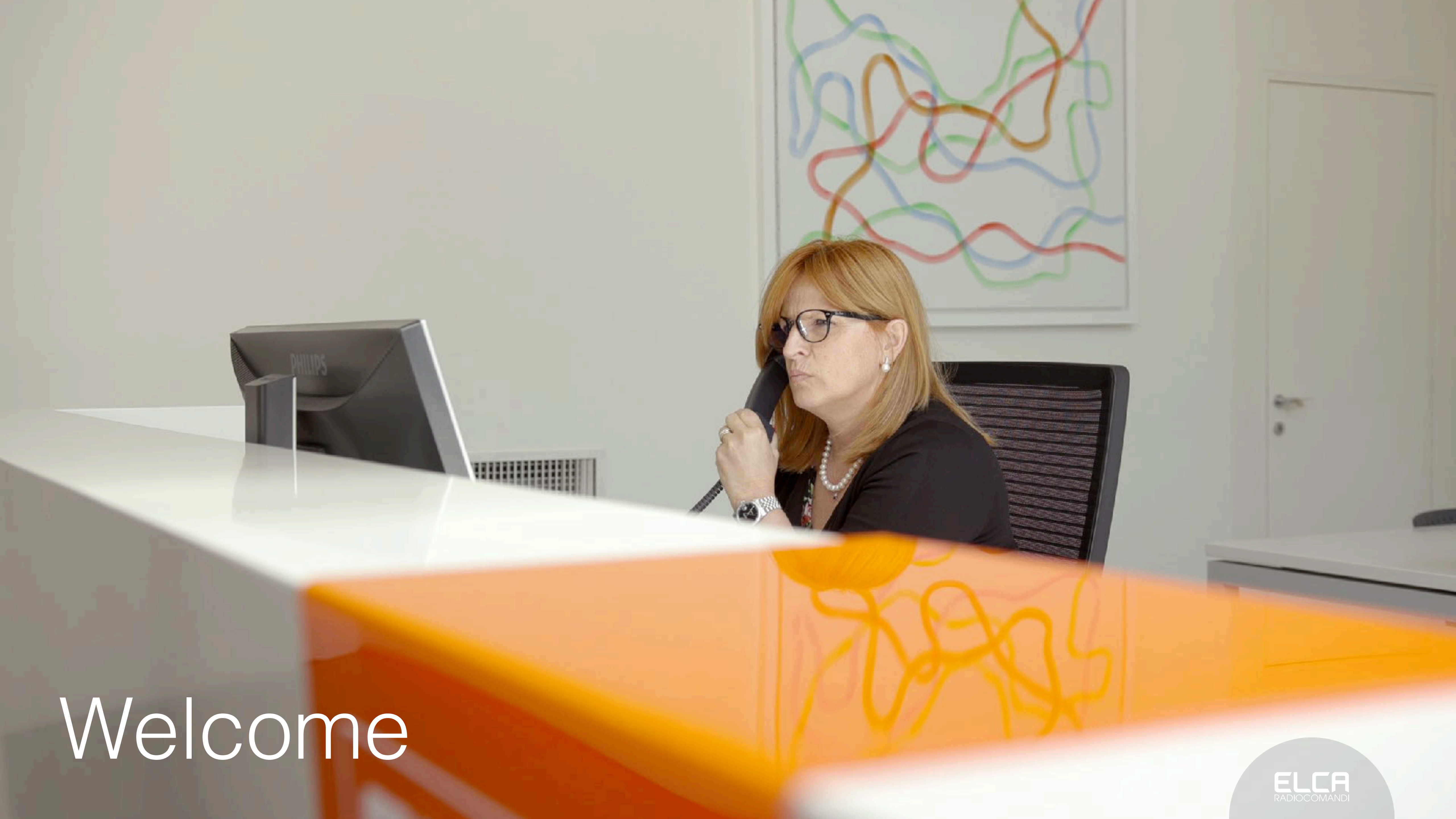
# Elca Tours





Headquarter





Welcome





# Showroom

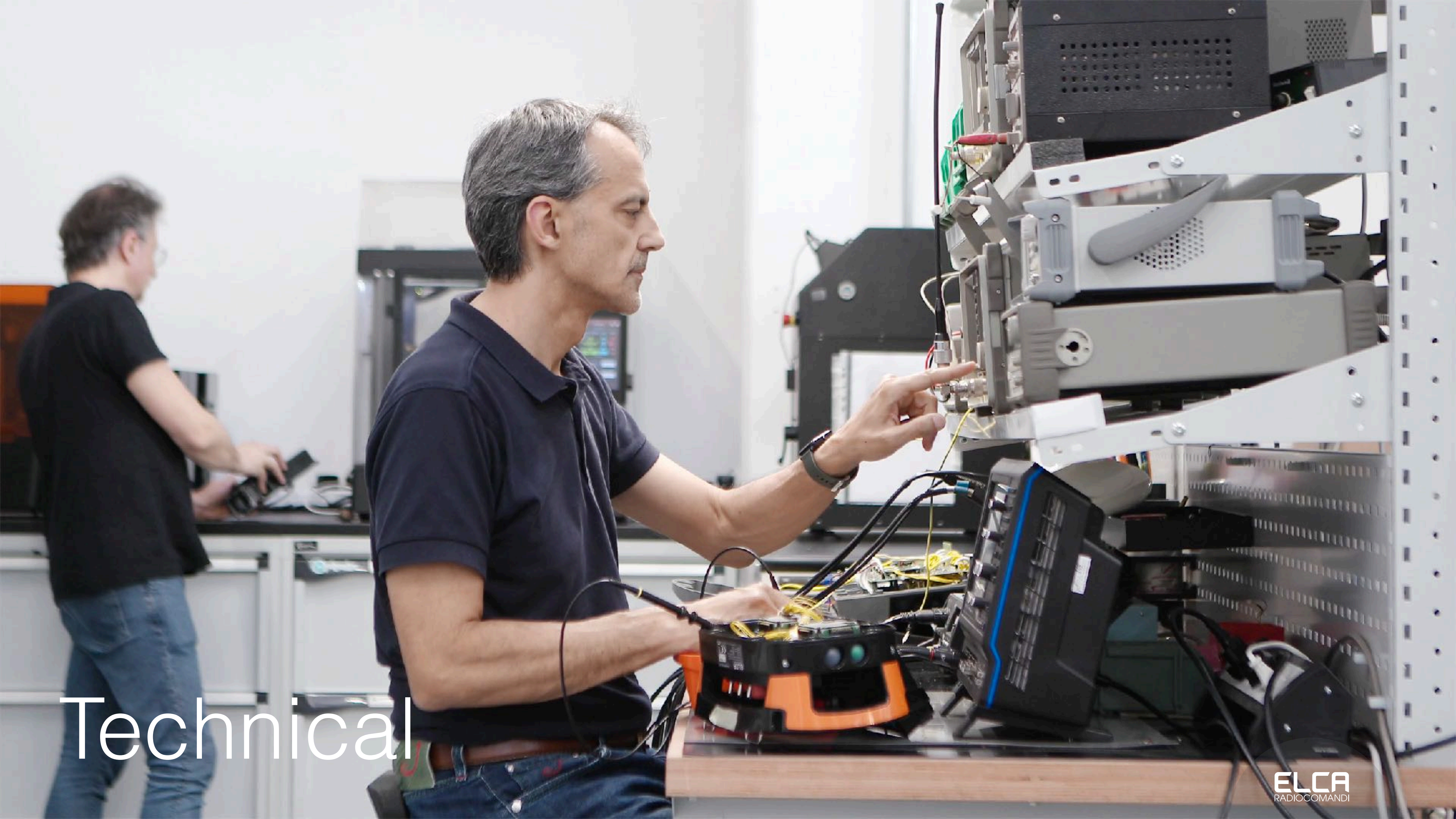






Sales





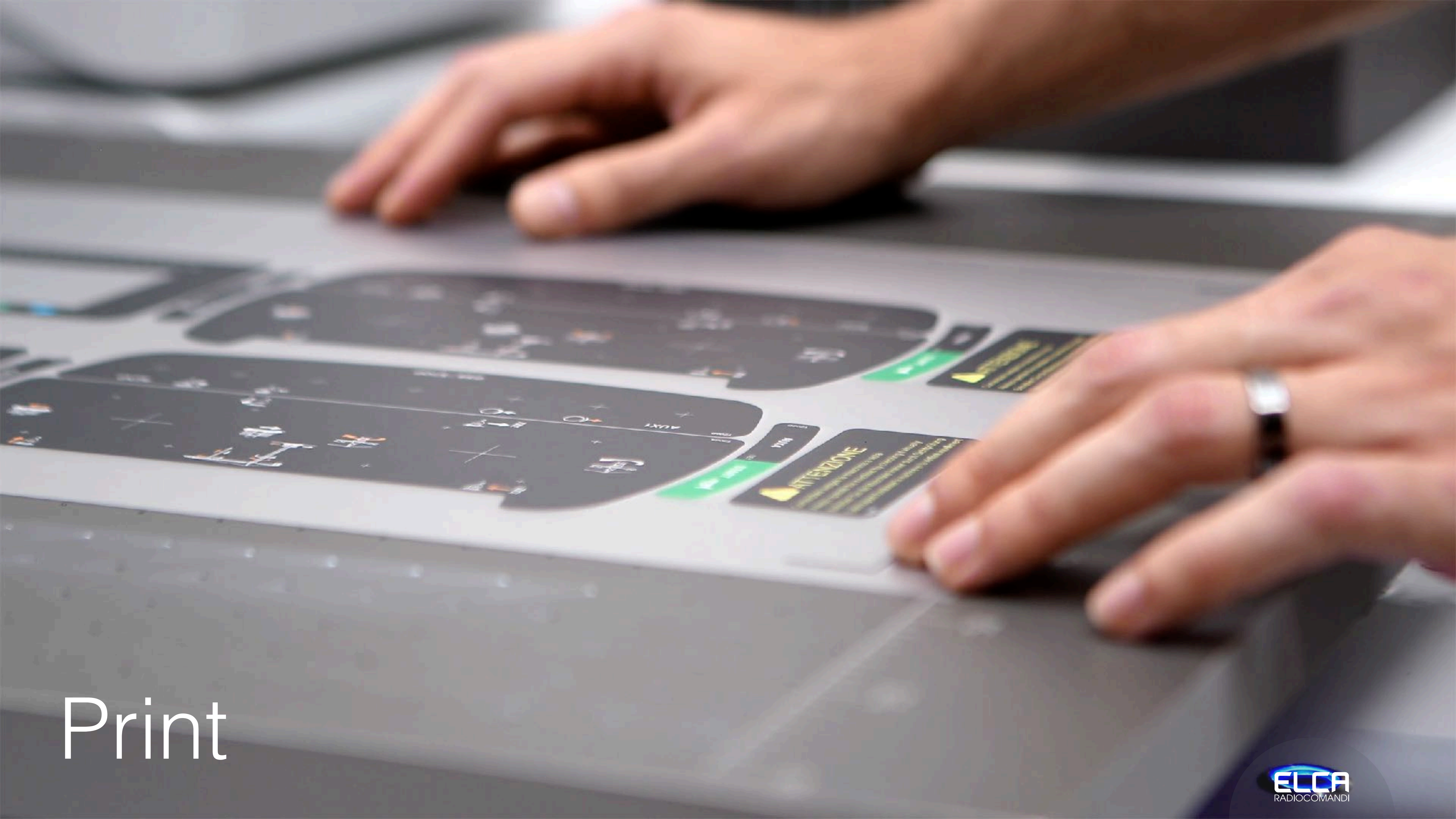
Technical





# Production





Print





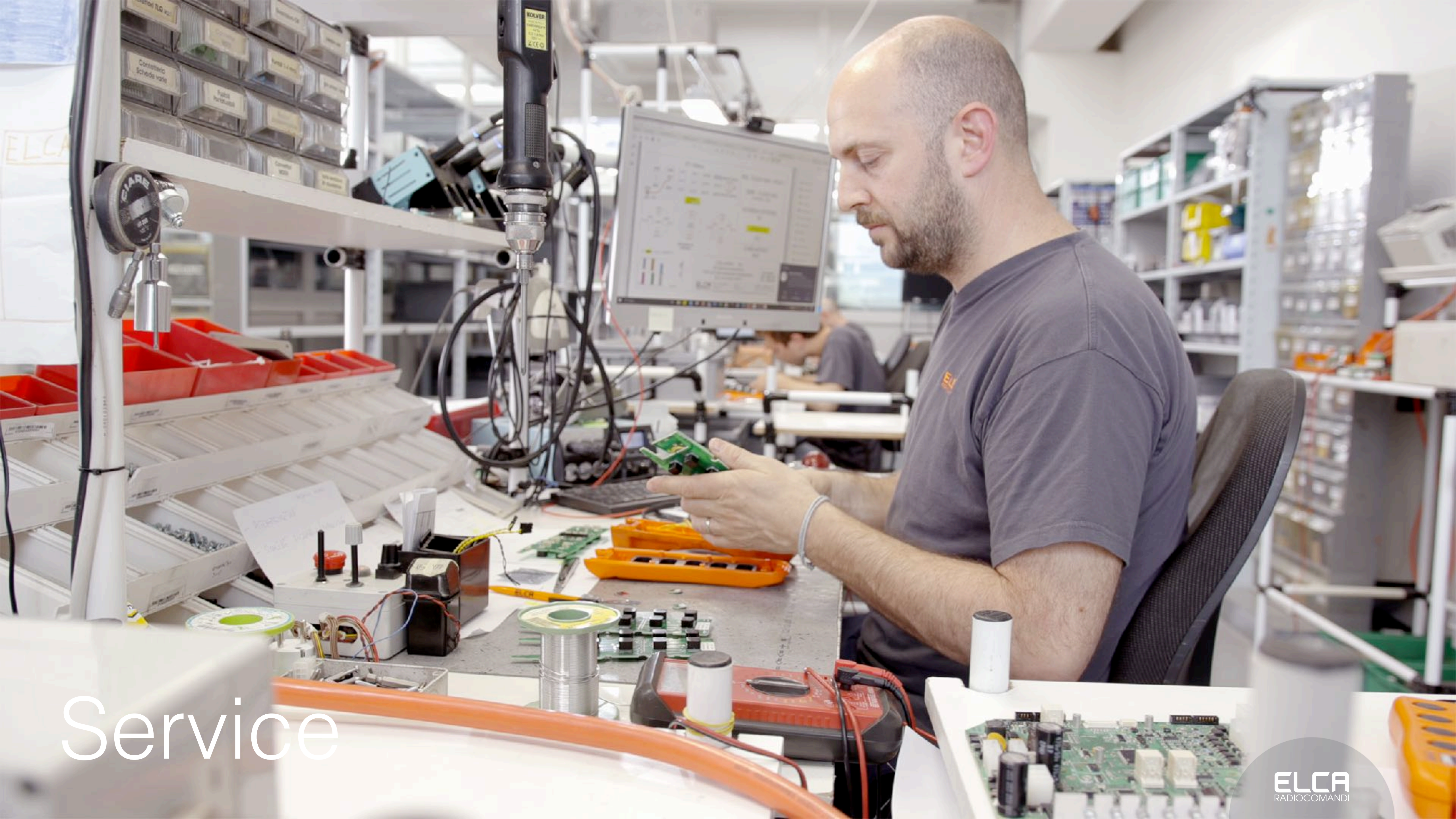
3d print





# Shipping





Service





Service





# The radio remote control



## Radio remote control components

A standard industrial safety remote control consists of:

- **transmitter unit** (portable station), worn by the operator
- **receiver unit** (base station), to be installed on board of the machine

## Why the radio control improves work

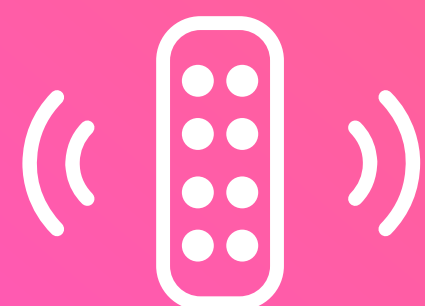
**Operational Safety:** allows operators to control machines from a safe distance, significantly reducing the risk of accidents and injuries on the job.

- **Accuracy and Efficiency** allows precise control of machines, exploiting operational efficiency in industrial environments (variable speeds, multi-axis movements, synchronized operations, controls dedicated to the specific machine served) that are not always possible with direct manual controls.
- **Flexibility:** efficient and safe operator positioning in hard-to-reach areas or dangerous environments (construction sites, mines, ports, manufacturing plants, ...)
- **Ergonomics:** they are designed to be ergonomic, reducing operator strain with long periods of use.





# The radio control kit includes

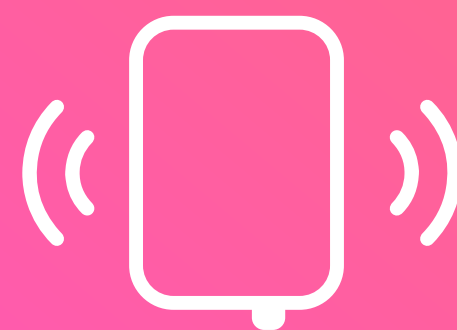


handheld  
portable station

/



waist  
portable station



receiver



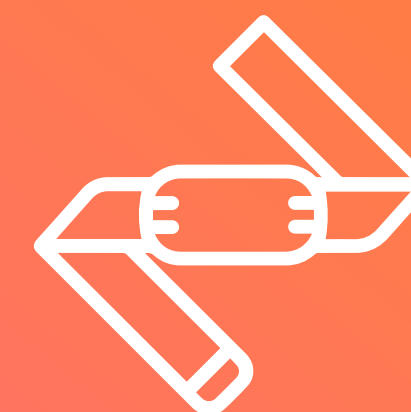
batteries



power supply



manuals



shoulder strap  
/  
belt



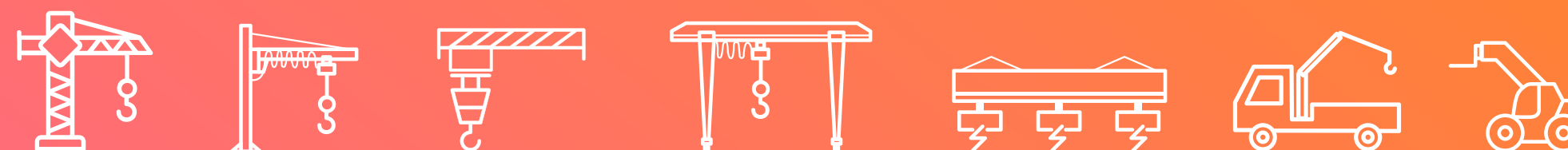




# Some applications served

([customer.service@elcaradio.com](mailto:customer.service@elcaradio.com))

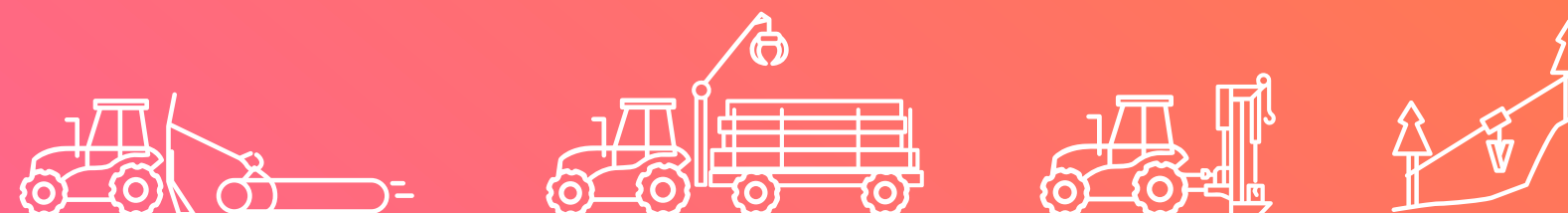
## CONSTRUCTION, INDUSTRY



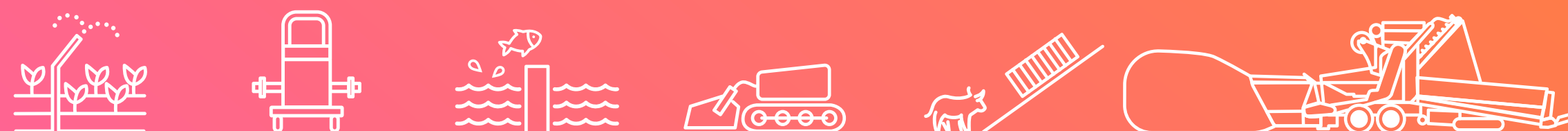
## LOGISTICS, AUTOMATION



## FORESTRY



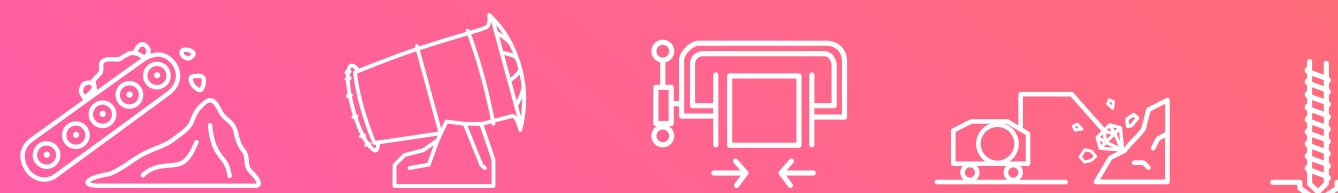
## AGRICULTURE



## HOIST



## MINING



## MARITIME, AIR, MILITARY





# Products series and models



# Products: series and models

series	handheld models	waist portable models
MITO	MINI / MINI+	PIC / VETTA
E <ul style="list-style-type: none"><li>E1</li><li>E2</li><li>E29</li></ul>	MIA / EVO / MINI+	PIC / VETTA / PUNTO / SFERA / M / VEDO
		PIC / VETTA / PUNTO / SFERA / M / VEDO
	MIA	PIC / VETTA / PUNTO / SFERA / M / VEDO
MAGO	EVO	
BRAVO		M / VEDO
TEL	VAI	PUNTO / SFERA / M





62x137x35/47 mm - 200 g

# MINI and MINI+ compact handheld radio controls (MITO electronics)

60x113x26 mm - 100 g



**MINI**  
4-6-8-10 buttons



**MINI+**  
4-6-8 buttons

## RECEIVERS



**MINI**  
110x165x50 mm - 450 g



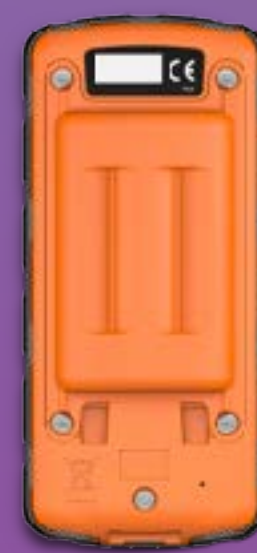
**DIN (from switchboard)**  
45x140x60 mm - 100 g



rechargeable  
Lithium battery      charger



rechargeable  
Lithium battery



3 AA  
batteries



ELCA-CLIP USB  
charging cable



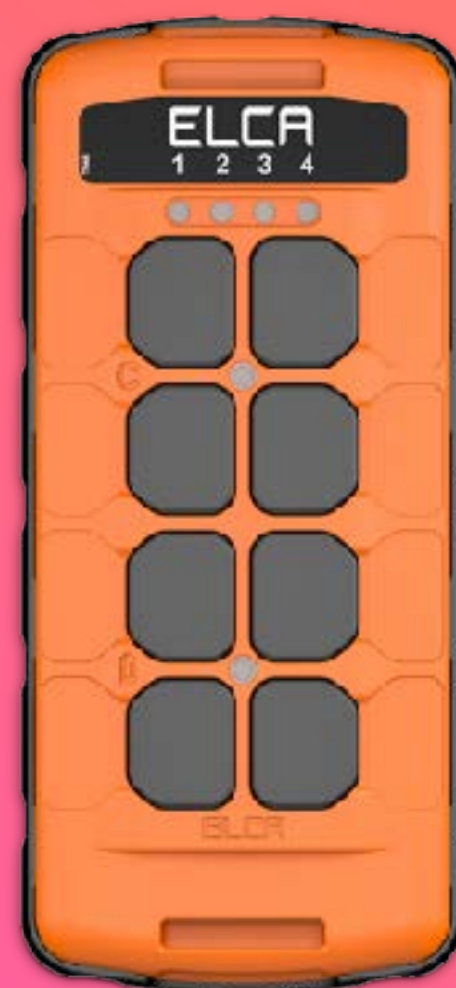
charger





# MINI+ compact handheld radio controls (E1 electronics)

60x113x26 mm - 100 g



4-8 double-release buttons  
4 LED FeedBack  
3 upper case versions  
3 lower case versions  
e-Stop cat. 3 PL d EN ISO 13849-1



257 g



rechargeable  
Lithium battery

3 AA  
batteries

batteria ricaricabile  
Litio

ELCA-CLIP USB  
charging cable

charger

## RECEIVERS



MINI 110x165x50 mm - 450 g



MIDI 152x152x75 mm



FLEXI 133x256x88 mm - 1600 g

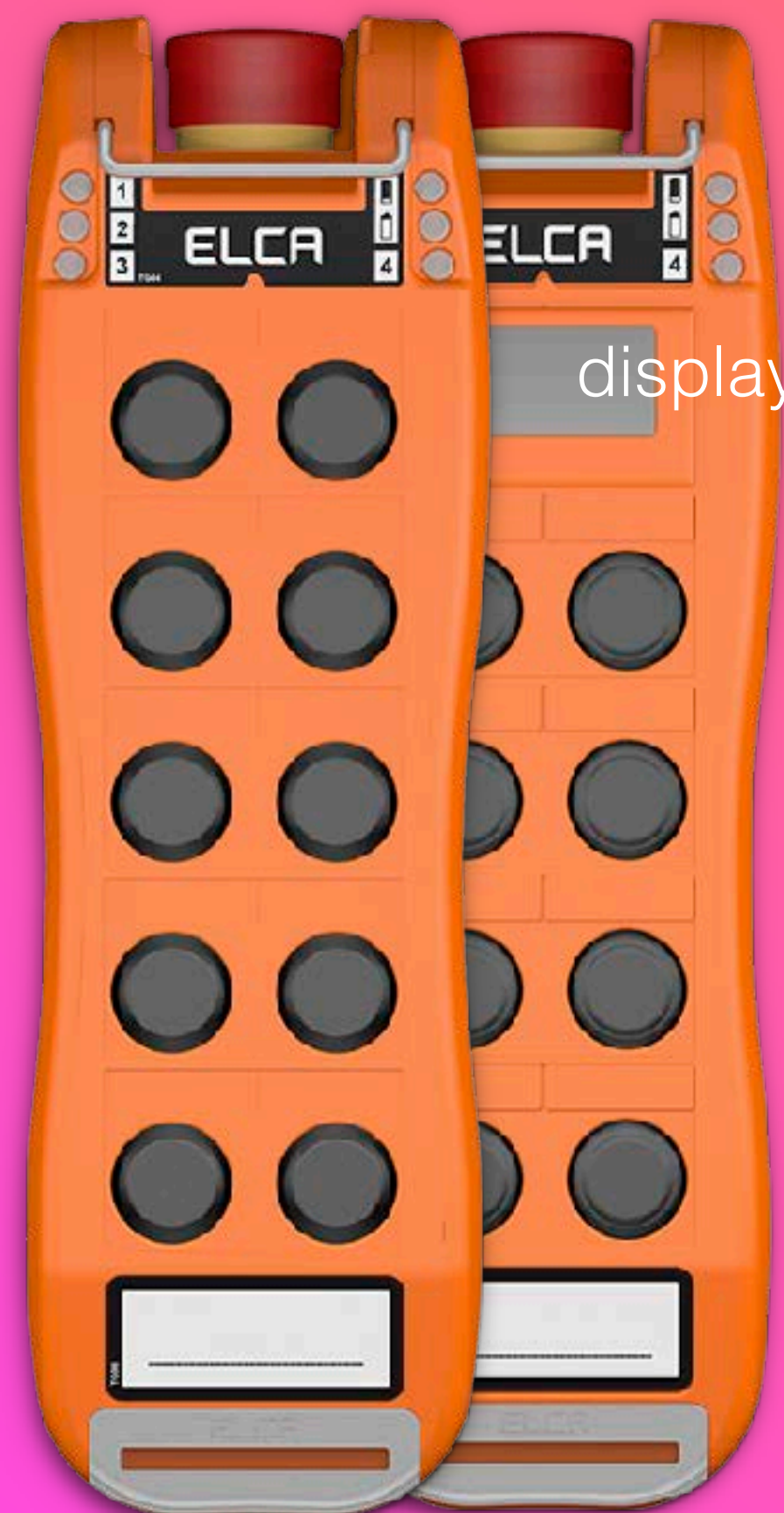
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# MIA handheld radio controls (E1 / E29 electronics)

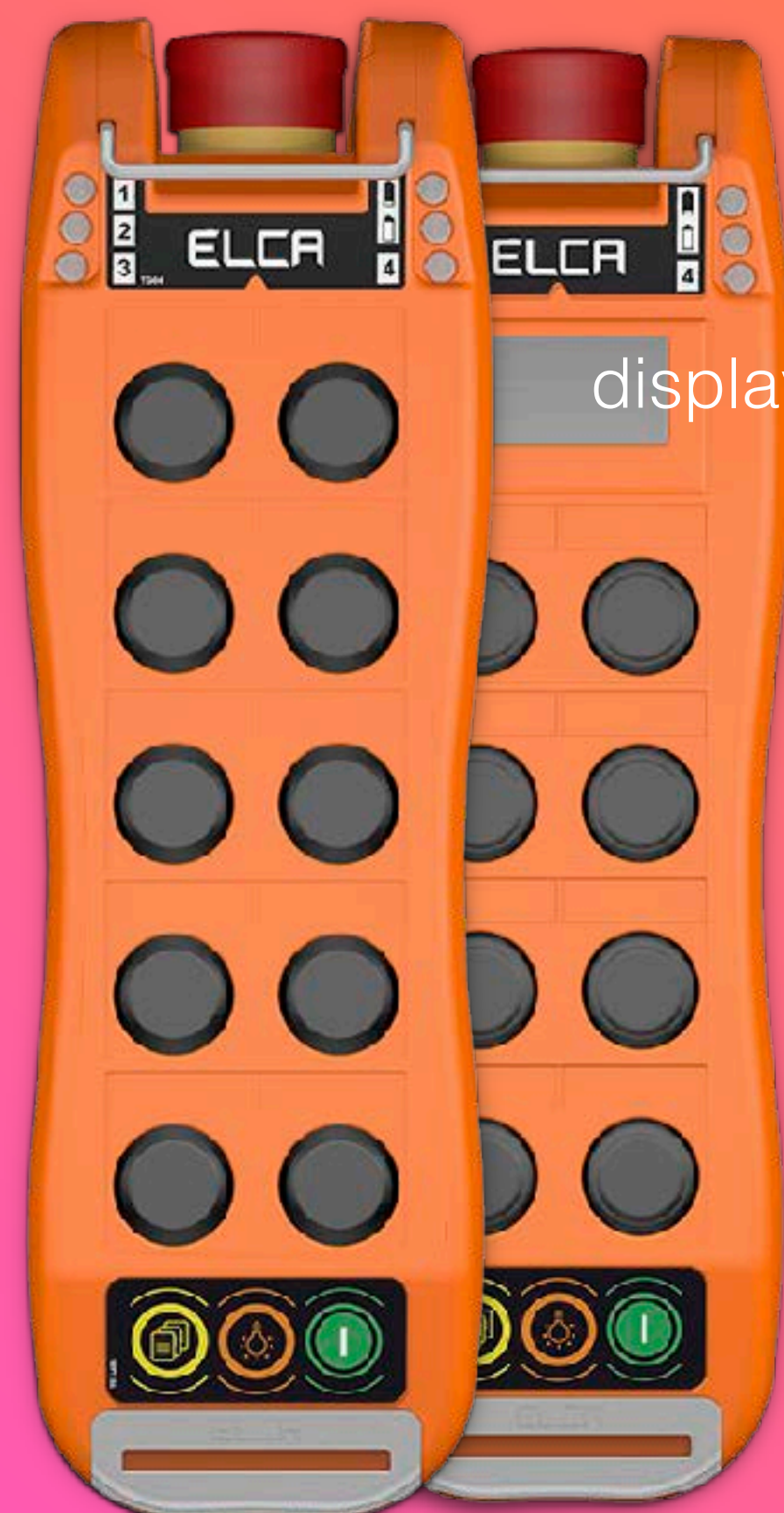
72x235x60 mm - 390 g



display

## MIA BASE

10 double-release buttons  
e-Stop cat. 3 PL d EN ISO 13849-1  
rechargeable Lithium battery  
ELCA-CLIP USB charging cable



display

## MIA FULL

10 double-release buttons  
e-Stop cat. 3 PL d EN ISO 13849-1  
rechargeable Lithium battery  
ELCA-CLIP USB charging cable



side actuators  
(sx-dx)



## RECEIVERS



**MINI** 110x165x50 mm - 450 g



**MIDI** 152x152x75 mm  
solo MIA BASE standard



**FLEXI** 133x256x88 mm - 1600 g

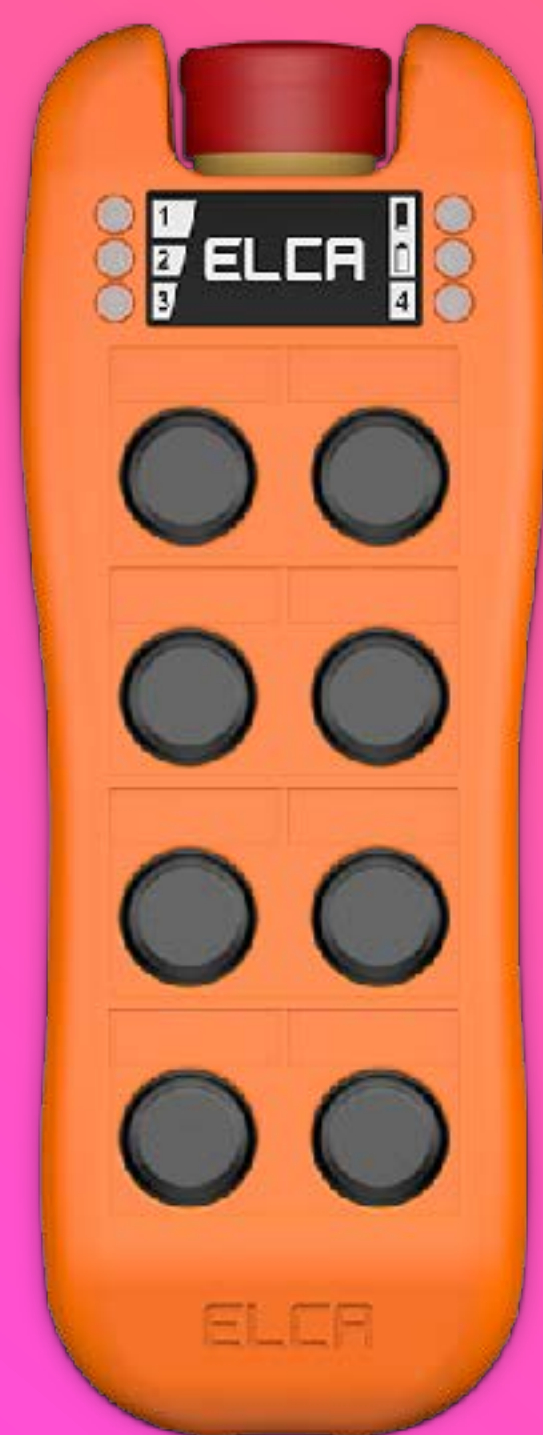
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## EVO handheld radio controls (electronic E1 / MAGO)

72x193x44 mm - 250 g



### EVO

6 double-release buttons  
e-Stop cat. 3 PL d EN ISO 13849-1  
rechargeable Lithium battery  
ELCA-CLIP USB charging cable



## RECEIVERS



**MINI** 110x165x50 mm - 450 g



**MIDI** 152x152x75 mm



**FLEXI** 133x256x88 mm - 1600 g

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# compact and waist portable radio controls (MITO electronics)

125x87x70 mm - 350 g PIC / VETTA 170x81x74 mm - 400 g



1 to 3 toggle switches  
e-Stop cat. 3 PL d EN ISO 13849-1  
ELCA-CLIP USB charging cable

PIC



rechargeable Lithium battery



up to 5 toggle switches  
e-Stop cat. 3 PL d EN ISO 13849-1  
ELCA-CLIP USB charging cable

VETTA



## RECEIVERS



**MINI**  
110x165x50 mm - 450 g



**DIN (from switchboard)**  
45x140x60 mm - 100 g





# PIC / VETTA

compact and waist portable radio controls (E electronics)

125x87x70 mm - 350 g

170x81x74 mm - 400 g



PIC

1 to 3 toggle switches - 1 button/2 toggle switches  
e-Stop cat. 3 PL d EN ISO 13849-1  
ELCA-CLIP USB charging cable



rechargeable Lithium battery



VETTA

up to 5 selectors - 1 button/4 toggle switches  
- 2 buttons/3 toggle switches - 4 LED FeedBack  
e-Stop cat. 3 PL d EN ISO 13849-1  
ELCA-CLIP USB charging cable



## RECEIVERS



MINI 110x165x50 mm - 450 g



MIDI 152x152x75 mm



FLEXI 133x256x88 mm - 1600 g





## PUNTO waist portable radio controls (electronic E)

175x140x132 mm - 950 g



3 toggle switches - 1 key  
up to 2 joysticks On/Off  
e-Stop cat. 3 PL d  
EN ISO 13849-1



toggle switches - 1 key up to 4  
proportional joysticks 1 axis  
e-Stop cat. 3 PL d  
EN ISO 13849-1



rechargeable NiMH battery

charger

## RECEIVERS



**MIDI**  
152x152x75 mm  
solo On/Off



**FLEXI**  
133x256x88 mm - 1600 g



**MAXI**  
227x276x105 mm - 2600 g





## SFERA waist portable radio controls (electronic E)

241x148x160 mm - 1100 g



5 toggle switches - 1 key  
up to 3 joysticks On/Off  
e-Stop cat. 3 PL d  
EN ISO 13849-1



5 toggle switches - 1 key  
up to 6 proportional joysticks 1 axis  
e-Stop cat. 3 PL d  
EN ISO 13849-1



rechargeable NiMH battery

charger

## RECEIVERS



**FLEXI**

133x256x88 mm - 1600 g



**MAXI**

227x276x105 mm - 2600 g

**ELCA**  
RADIOCOMANDI





multiple configurations...  
e-Stop cat. 3 PL d EN ISO 13849-1

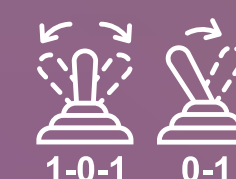


285x180x200 mm - 1600 g

## M waist portable radio controls (electronic E)



side actuators



rechargeable  
NiMH battery



charger

## RECEIVERS



**FLEXI**  
133x256x88 mm - 1600 g



**MAXI**  
227x276x105 mm - 2600 g





multiple configurations...  
e-Stop cat. 4 PL e EN ISO 13849-1

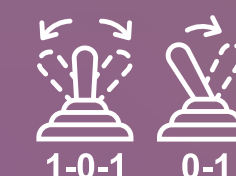


285x180x200 mm - 1600 g

## M waist portable radio controls (electronic BRAVO)



side actuators



rechargeable  
Lithium battery

charger

## RECEIVER



**BRAVO**  
210x183x60 mm - 1200 g





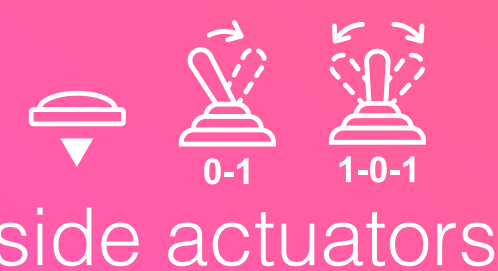
**VEDO** 251x167x177 mm -1800 g  
waist portable radio controls  
(E2 electronics)



graphic display version  
with CODESYS  
(IEC 61131-3 compliant)

251x192x210 mm - 1980 g

multiple configurations...  
e-Stop cat. 3 PL d EN ISO 13849-1  
rechargeable Lithium battery  
charger



side actuators

## RECEIVERS



**FLEXI**  
133x256x88 mm - 1600 g



**MAXI**  
227x276x105 mm - 2600 g

**ELCA**  
RADIOCOMANDI





**VEDO** 251x167x177 mm -1800 g  
waist portable radio controls  
(BRAVO electronics)



graphic display version  
with CODESYS  
(IEC 61131-3 compliant)

251x192x210 mm - 1980 g

multiple configurations...  
e-Stop cat. 4 PL e EN ISO 13849-1  
rechargeable Lithium battery  
charger



side actuators  
0-1 1-0-1

RECEIVER



**BRAVO**  
210x183x60 mm - 1200 g

**ELCA**  
RADIOCOMANDI



# Cable controls





## Cable controls

Elca also produces cable controls:  
the transmitter is directly connected to the machine via cable.

TEL series:

- handheld transmitters
- waist portable transmitters



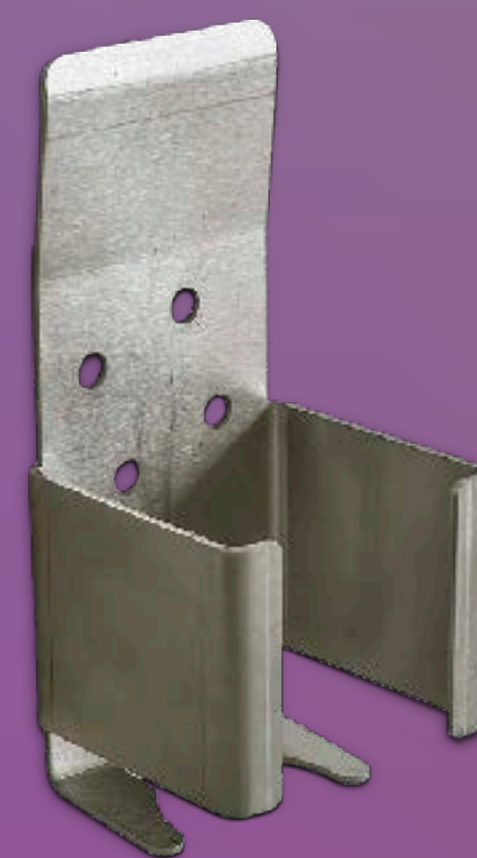
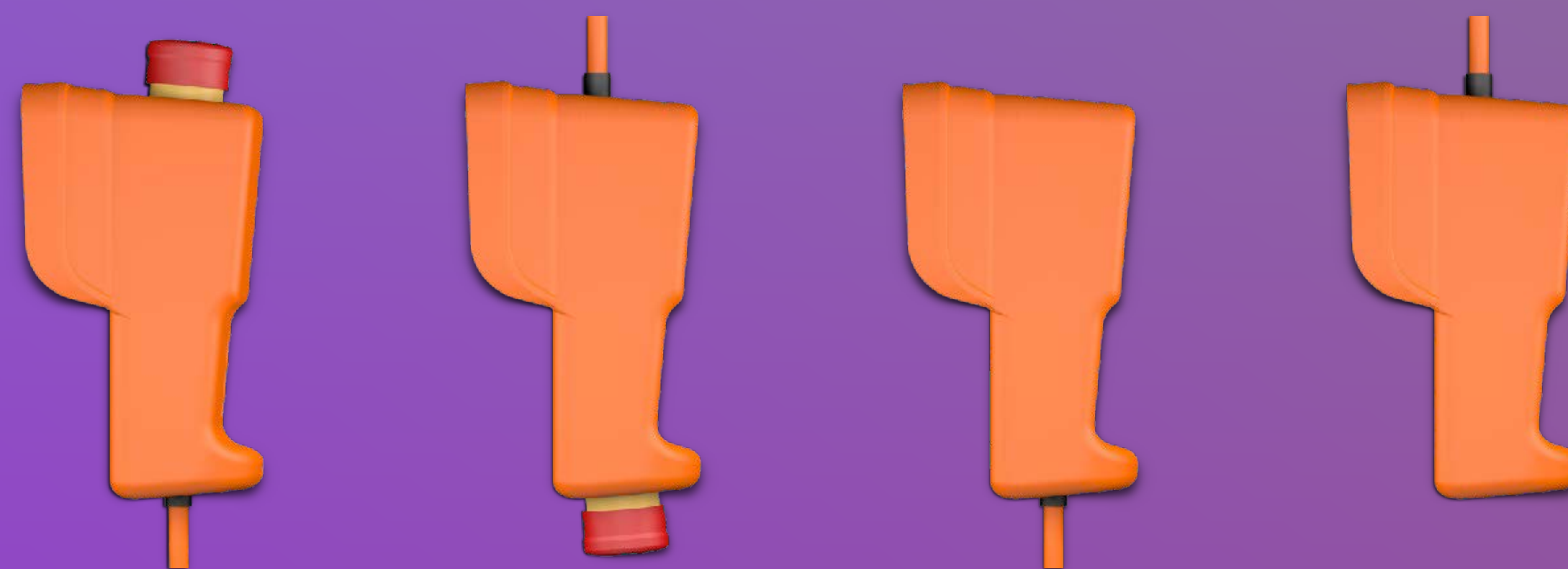


# TEL-VAI compact handset transmitters

61x145x67 mm - 300 g



multiple configurations  
e-Stop cat. 3 PL d EN ISO 13849-1



stainless steel wall bracket

## ACTUATORS



STOP



START



SWITCHES

...arrangement  
as per  
customer  
request



# TEL-PUNTO / TEL-SFERA / TEL-M waist portable system



PUNTO

175x140x132 mm - 950 g



SFERA

241x148x160 mm - 1100 g



M

285x180x200 mm - 1100 g



...watch the video





[elcaradio.com](http://elcaradio.com)