

elebia®

the safety hook

The elebia® Automatic Hook

The elebia® automatic hook is the **ONLY** hook that allows you to remotely attach and release the load with **NO** handling.

Increases:

- Productivity
- Safety
- Comfort

www.elebia.com

How does it work?



1.

The magnet
attracts the ring...



2.

...adjusts the
lifting hook...



3.

...and elevates
the load.

Main specs of the elebia® Automatic Hook

- Failsafe Design. Impossible to drop suspended loads
- Allows you to attach and release loads remotely
- Increases productivity, safety and comfort
- Control multiple hooks
- Indication of total weight and of each individual hook
- Alarms (overload, unbalanced weight...)
- Track and register every single event and operation
- Export data via USB to spreadsheet

elebia® range of Automatic Hooks



e2

e5

e10c

e10

e20

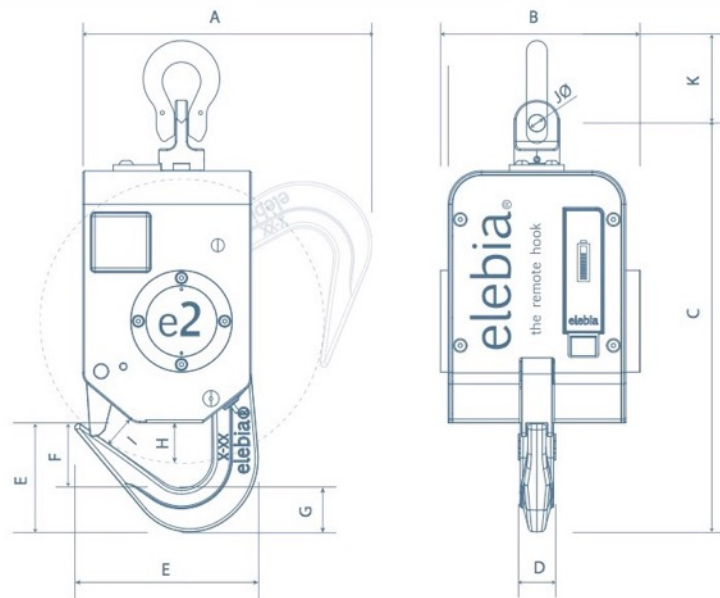
e25

The elebia® Automatic Hook - e2



Top link option / Size chart (mm / inches)

A	188 / 7.40
B	131,5 / 5.18
C	269,3 / 10.60
D	22 / 0.87
E	120,9 / 4.76
F	42,5 / 1.67
G	28,8 / 1.13
H	26,7 / 1.05
I	21,3 / 0.84
J	11 / 0.43
K	- / -



55 / 2.16

111 / 4.37

161 / 6.34

178 / 7

The elebia® Automatic Hook - e5

HOOK MODEL

WORKING LOAD LIMIT
SAFETY FACTOR 4:1
TOP LINK OPTION

5.000 Kg / 11.023 lb

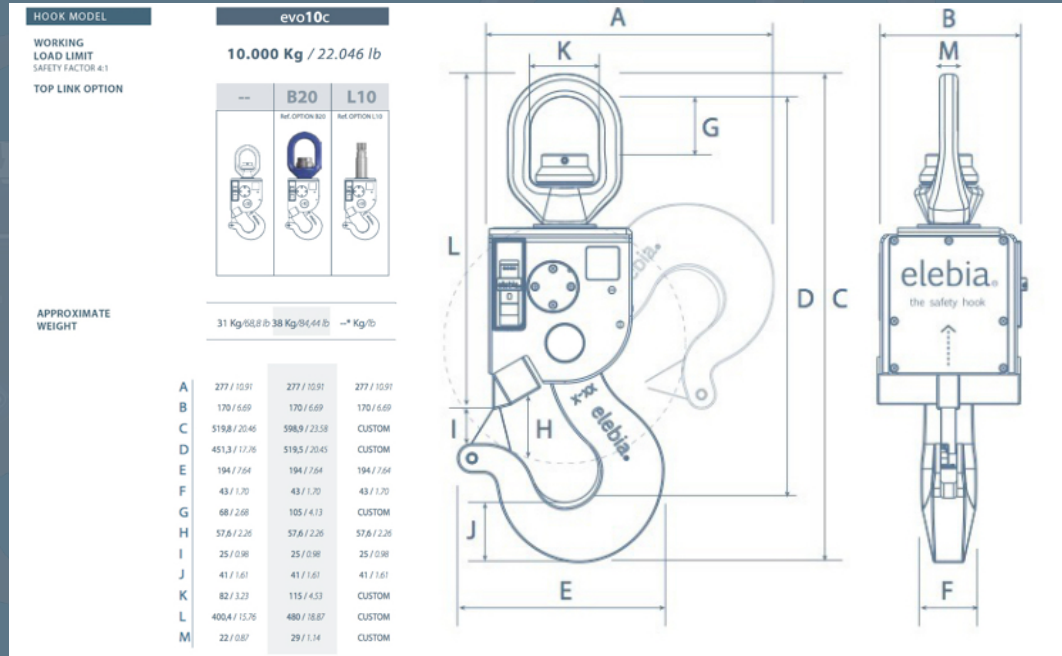
	B10	B20	L5
26 Kg/57,7 lb 31 Kg/68,8 lb 38 Kg/84,4 lb → Kg/lb			

APPROXIMATE WEIGHT

A	277 / 1091	277 / 1091	277 / 1091	277 / 1091
B	170 / 669	170 / 669	170 / 669	170 / 669
C	469 / 1846	519,8 / 2046	598,9 / 2358	CUSTOM
D	409 / 1610	451,3 / 1776	519,5 / 2045	CUSTOM
E	194 / 754	194 / 764	194 / 764	194 / 754
F	43 / 170	43 / 170	43 / 170	43 / 170
G	49 / 193	68 / 268	105 / 413	CUSTOM
H	57,6 / 226	57,6 / 226	57,6 / 226	57,6 / 226
I	25 / 0,98	25 / 0,98	25 / 0,98	25 / 0,98
J	41 / 1,61	41 / 1,61	41 / 1,61	41 / 1,61
K	58 / 228	82 / 323	115 / 453	CUSTOM
L	350 / 1378	400,4 / 1576	480 / 1887	CUSTOM
M	15 / 0,59	22 / 0,87	29 / 1,14	CUSTOM



The elebia® Automatic Hook - e10c



The elebia® Automatic Hook - e20



HOOK MODEL

WORKING LOAD LIMIT
SAFETY FACTOR 4:1

TOP LINK OPTION

APPROXIMATE WEIGHT

evo20
20.000 Kg
44.092 lb

L20
THE OPTION L20

43 Kg / 95,50 lb --* Kg / lb
* Size is on demand

A	341 / 13.43	341 / 13.43
B	182,3 / 7.18	182,3 / 7.18
C	663 / 26.10	CUSTOM
D	553 / 21.27	CUSTOM
E	246 / 9.68	246 / 9.68
F	66 / 2.60	66 / 2.60
G	105 / 4.13	CUSTOM
H	83 / 3.27	83 / 3.27
I	42 / 1.65	42 / 1.65
J	72 / 2.83	72 / 2.83
K	115 / 4.53	CUSTOM
L	480 / 18.90	CUSTOM
M	29 / 1.14	CUSTOM

The elebia® Automatic Hook - e25

HOOK MODEL

WORKING LOAD LIMIT
SAFETY FACTOR 4:1

TOP LINK OPTION

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the safety hook

APPROXIMATE WEIGHT

evo25
25.000 Kg
55.115 lb

L25
BY OPTION L25

48 Kg / 106,60 lb → Kg / lb

* Size is on demand

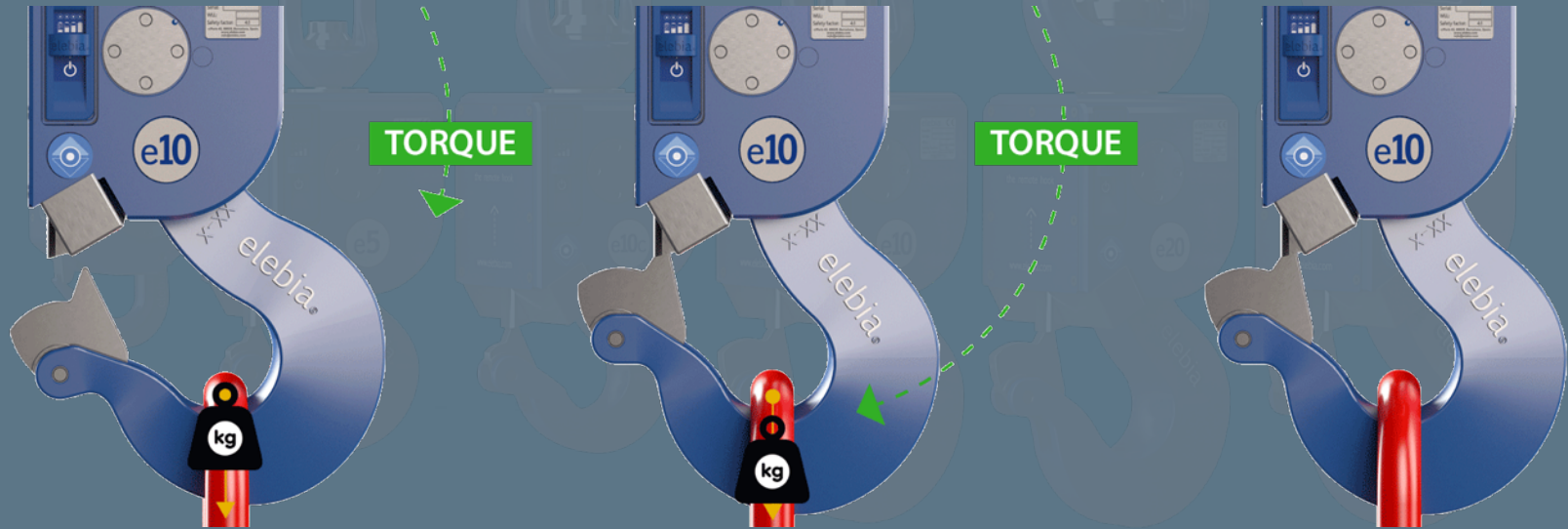
A	341 / 13,43	341 / 13,43
B	182,3 / 7,18	182,3 / 7,18
C	735 / 28,94	CUSTOM
D	618 / 24,33	CUSTOM
E	246 / 9,68	246 / 9,68
F	66 / 2,60	66 / 2,60
G	138,5 / 5,45	CUSTOM
H	83 / 3,27	83 / 3,27
I	42 / 1,65	42 / 1,65
J	72 / 2,83	72 / 2,83
K	133 / 5,24	CUSTOM
L	550 / 21,65	CUSTOM
M	34 / 1,34	CUSTOM



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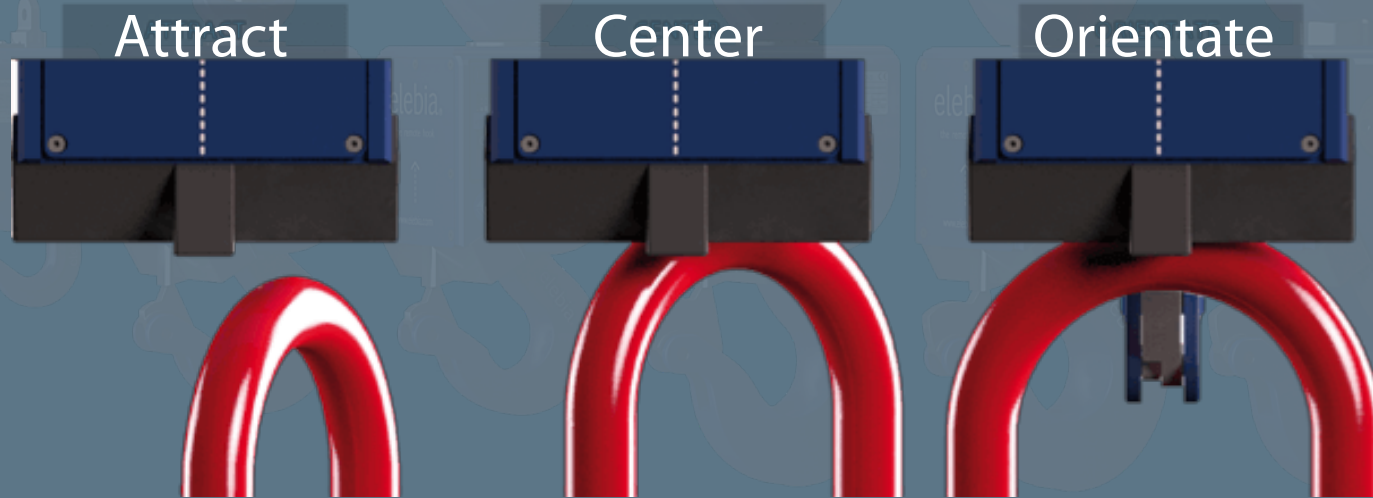
Features: Failsafe Design

This is a feature of all our designs, geometrically failsafe, without any sensors or electric components. It's gravity avoiding the opening of the hook if there's any load suspended. In addition, elebia® hooks incorporate an STL (Security Torque Limit). An electronic device that controls the motor torque and cancels the operation if an overload is detected.

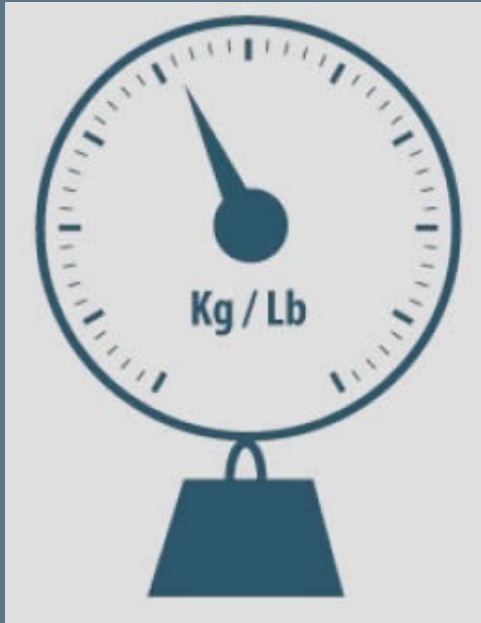


Features: Magnetic System

The elebia® automatic hooks come with a unique magnetic system, formed by 32 neodymium permanent magnets placed in a precise configuration that generate an orientated magnetic field with 3 functions: attract, center and orientate the masterlink.



Features: Weighing Scale



The complete range of automatic hooks can be upgraded with a load cell to weigh the load that is being lifted.

This load cell is precise, reliable, rugged, compact and fully integrated into the hook, representing no increase in weight and dimensions of the unit.

The load cell is highly recommended for preventing overloads and for load control. Load cells can also be retrofitted into older models of our hooks.

The load cell in combination with the eMax remote control transforms all of our hooks into a precise weighing scale with advanced features.

The elebia® Automatic Hook - Remote Control

elebia® produces different remote controls tailored to customer needs. All of them allow simple, flexible, precise and reliable control in a failsafe way. One remote control can be paired to one automatic hook or many, and one automatic hook can be controlled by many remotes.

The eMAX is our most advanced remote control, able to control the automatic hooks with the weighing scale. It displays all the info in a big hi-res screen and a high profile keypad, yet remains handy and lightweight.

The eMAX remote control can manage and display up to 24 automatic hooks simultaneously.



The eMINI remote control is smaller, simpler and ergonomic. It can be integrated into a glove or wrist belt.



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The elebia® Automatic Hook - Installable remote

If desired, the elebia® automatic hook can also be controlled using a free channel of the crane control.

The installable remote control has to be placed into the crane relay cabinet.

Only a simple wiring is needed. Compatible with all cranes and remotes.

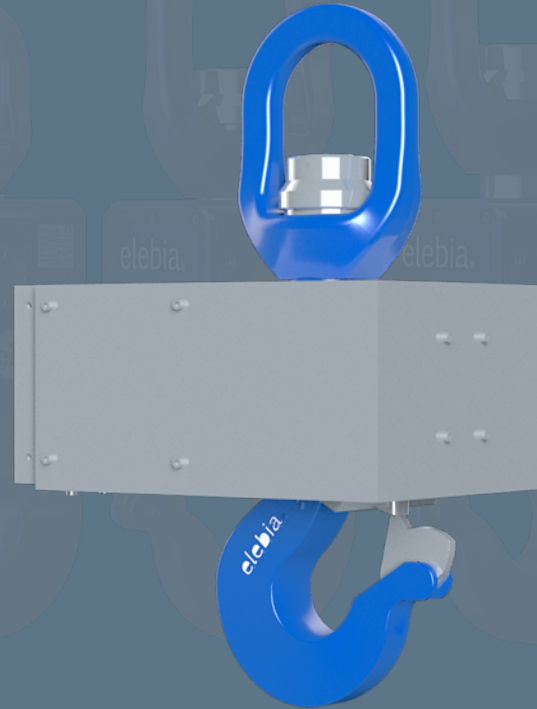


Accessories:

Bumper: Protects the automatic hook from impacts.



Heat Shield: Protection in special environments

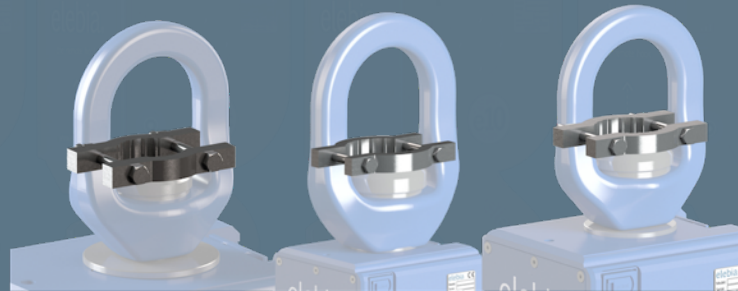


Accessories:

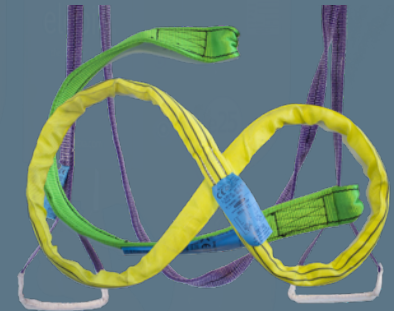
elebia® Big Bags



Swivel Locks e5 - e10 - e20



elebia® Slings



Special Environments:

The standard automatic hook units are rugged, designed and built to work in almost every industry. For special environments, you have the following options:

Heat Shield



Heat shield that protects unit from radiated heat. Electronic components with extended temperature working range.

Recommended for: Operations where the automatic hooks are subject to extremely elevated temperatures and radiated heat

Industries: Foundries

Marine



DNV 2.22 certification for Offshore lifting appliances.

Recommended for: Offshore Operations

Industries: Offshore Wind Turbines, Onboard Cranes

ATEX/IECEX



Units with IECEX certification for zones 1 and 21. According to European Directive 94/9 / EC and IECEX international standards. Filled ATEX: 2GD to work on the sites classified as zone 1, zone 21 according to the European Directive 99/92 / EC

Recommended for: Operations in potentially explosive atmospheres

Industries: Oil & Gas, Mining & Chemical

DNV



C5M Painting and AISI components.

Recommended for: Marine Environments

Industries: Offshore Wind Turbines, Onboard Cranes, Buoys

Advantages:

1. It is possible to hook and unhook remotely.
2. The elebia® automatic hook eliminates the need to move up and down the truck bed or to climb to elevated and dangerous places.
3. The operator can choose the most convenient slinging method for each application: metal rings, cable slings, textile slings, etc...
4. The automatic hooks will improve overall productivity, increase safety and comfort of all lifting operations.

Advantages:

4.1. Productivity:

- Save time in all maneuvering operations
- Minimize risk of injuries
- Savings on staff
- No additional machinery is necessary (basket lift, forklift...)

4.2. Increased Safety:

- Minimal risk of accidents in height operations
- Reduced injuries and chronic ailments by eliminating repetitive operations
- Avoids handling and contact of toxic material, working from a safe distance
- In areas with extreme temperatures

4.3. Increase in Comfort:

- Less effort needed from the operator perspective
- Improvement in overall working conditions

www.youtube.com/elebiaTV

Applications:

Stevedoring:

Stevedore/bigbags with evo2
Unloading steel coils with mobile crane
Maneuvering of 1000T of wood/paper pulp
Lifting bundles of steel
Stevedore/bigbags
Stevedore/palletized
Stevedore/portabulk
Stevedore/mix

Steel Mill & Manufacturing:

Magoteaux (foundry)
Ingalsa (galvanizing plant)
SN Transformados (steel processing)
Plastic injection molding (automotive)
CELSA (steel mill, electrode handling)
Copper foundry
Steel mill
Automatic engage of pipes (w/slings)
Loading profiles on truck
Bigbag filling station (soap factory)
Cooper coils

Truck with Crane:

Elebia Hook - FLG Services
Aggreko (rental equipment)
Truck Trotter
Buggies
Aggreko (rental equipment)
Truck: construction materials
Port of Blyth
RioTinto (Mongolia)
Mining rock

Concrete & electric lines:

Transmission Lines
Video Electric Tower
Concrete Prefab (wall and beams)

Windmill, Nuclear & Others:

Sparcraft: Global Solution EVO2 and Textile Slings
Envision
Nuclear Waste Management

Sales process:



- Focus on application
- Big vs Small corporations

- Safety / Efficiency
- Productivity
- Reduce operation cost

- Weight
- Lifting point
- Dimensions
- Crane
- Top Link
- Accessories

- Quotation (configuration tool)
- Videos of similar applications
- Case studies

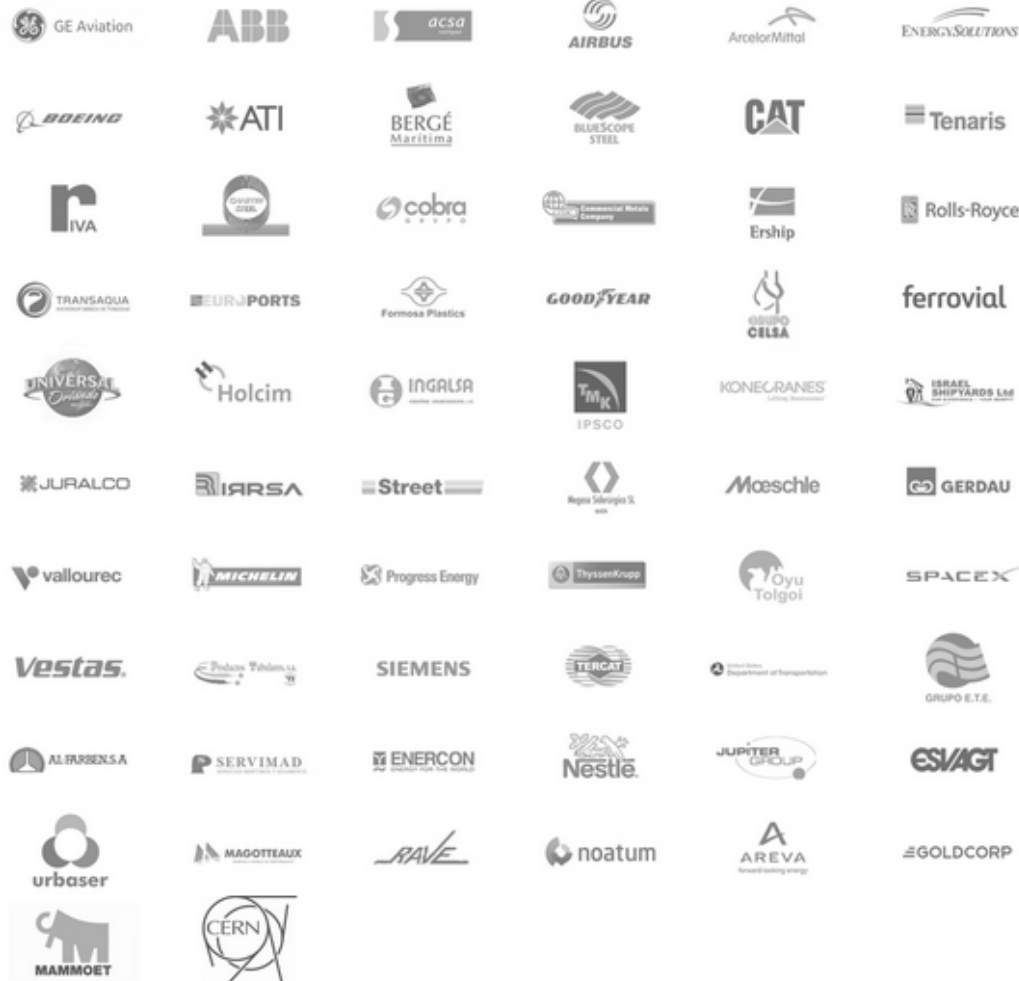
- EVO2 presentation
- Real demo

Maintenance and Technical Service:

Elebia Technical Site

Maintenance

Our Clients:





Thank You!

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