

PRODUCT CATALOGUE

MODICO SYSTEMS & TOPSOLVE



Make relaxing smarter

EN

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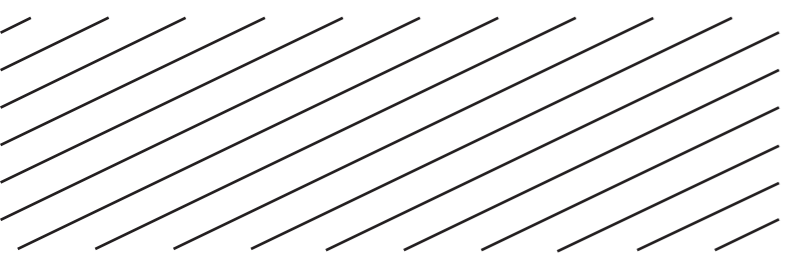
about us

Modico System was founded in year 2007. A solid base of thirty years' experience in motor control and power electronic design, will guarantee innovative and reliable products. Combined with a detailed application knowledge collected in the machinery and furniture industry, guarantee to our customer more than just a product! We are a leading supplier of

PMDC Motorcontroller including supply and control devices

Our electronically and electro mechanical solutions are used in many different industrial ranges like: seating, bedding, office, healthcare, hospital, building automation (sunshades a.s.o.), vendor machines or electrical door or window locks.

We look at our customer individually and look carefully to his wishes and needs. We offer support wherever it is necessary. Your vision is our guideline from the first scratch to the finished product. No matter if low or high volume.



customer is always welcome!

The following pages give you a small impression why Modico is not one of all other supplier. We are technology driven and outstanding independent turn key supplier for your products. Our Team in Germany and China are happy to support you!





your targets - our motivation.

We see ourselves as your partner. In close communication with your expert team, we support you with our know how in the fields of: *project management* *development* *design* *procurement* *production* and finally *full function reference samples*. Make sure to have the best solution for your projects requirements. Your technological objectives will be realized with regard to both deadlines and cost effectiveness.

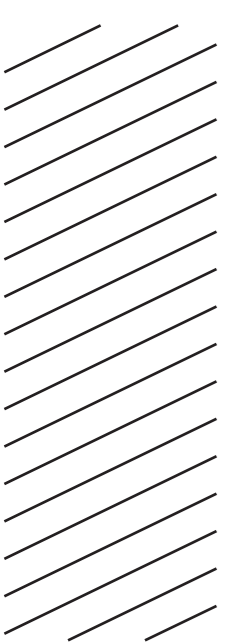
Modico and Topsolve team is looking for a TOTAL SOLUTION and not just to the part you require.

We check carefully with you together the whole system, make sure that mechanics, actuator and electronics work perfect together. At least we look also to your final assembly requirements to prevent production failures in your factory.

We are driven by innovation which does not stop at the electronics from our team!

Our electronics is a lever to present your product in a modern and stylish way. Lead by technology and good design!

Just tell us where we can help you!



we will be there for you!

As our partner Topsolve, we are present in Far East and thus at hand at the supplier's, we can guarantee compliance with processes. During the production and delivery phase Topsolve will check the quality of your standard products on site and are therefore able to offer optimal support to our customers.

how can we help?

Good purchase conditions are often the key to success. Modico-Systems and Topsolve have access to a large network of competent partners at home and abroad. No matter whether you need large, medium or small quantities - we always guarantee an optimal price-performance ratio because of our good sources of supply and consolidated goods. Best purchasing specifications in combination with development, tooling and manufacturing expertise is our recipe for your success.



furniture



medical



industrial



product presentation

lithium ionen accu packs	<i>page 10</i>
SMPS & charging adapters (switch mode power supplies)	<i>page 12</i>
microprocessor CU & relaisboxes	<i>page 15</i>
cable handests	<i>page 19</i>
insert switches	<i>page 23</i>
accessories	<i>page 27</i>
cable handsets_PCBA	<i>page 31</i>

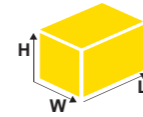
Accu Pack 1300mAh



Technical Datas

7 cell configuration
 Nominal capacity 1300mAh @23°C
 Nominal Output Voltage Output 25,2V/DC
 Macimum Output Voltage 29,4V/DC
 Max. Output Current 5A/DC
 ON/OFF Switch
 Overcurrent cutoff
 Output short-circuit protection
 Undervoltage Lock out
 Accustical signal (beeper) 20...21,45V/DC
 Protection type IP20
 Protection class II
 Intermitted mode with 10 % duty cycle with
 max. continuous use of 2 min
 Housing colour black RAL 9005
 Housing material ABS V0
 Ambient temperature 30°C
 No Stand by Power consumption

Dimensions



L 120mm
 W 87mm
 H 40mm
 Weight 470g

Options

charging and operate through a standard SMPS
 mounting bracket
 Customer Sticker (LOGO) on the Top housing
 mounting feet, higher capacity

Standards

EN60335
 MSN
 UN38.x

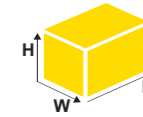
**LLPS Powerp.1300mAh
 Lilo. 7S1P**



Technical Datas

7 cell configuration
 Nominal capacity 1300mAh @23°C
 Nominal Output Voltage Output 25,2V/DC
 Macimum Output Voltage 29,4V/DC
 Max. Output Current 5A/DC
 Overcurrent cutoff
 Output short-circuit protection
 Undervoltage Lock out
 Accustical signal (beeper) 20...21,45V/DC
 Protection type IP20
 Protection class II
 Intermitted mode with 10 % duty cycle with
 max. continuous use of 2 min
 Housing colour black RAL 9005
 Housing material ABS V0
 Ambient temperature 30°C

Dimensions



L 120mm
 W 87mm
 H 40mm
 Weight 470g

Options

charging through LCH735

Standards

EN60335
 MSN
 UN38.x

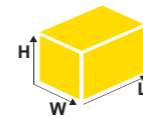
**LLPS-7S Plug-In-Power-pack;
 Modico Series: SC701**



Technical Datas

7 cell configuration
 Nominal capacity 1300mAh @23°C
 Nominal Output Voltage Output 25,2V/DC
 Macimum Output Voltage 29,4V/DC
 Max. Output Current 5A/DC
 Overcurrent cutoff
 Output short-circuit protection
 Protection type IP20
 Protection class II
 Intermitted mode with 10 % duty cycle with
 max. continuous use of 2 min
 Housing colour black RAL 9005
 Housing material ABS V0
 Ambient temperature 30°C
 No Stand by Power consumption

Dimensions



L 103,5mm
 W 79,5mm
 H 54mm
 Weight 430g

Options

Voltage Gauge
 Charging socket
 snap in Magnet
 ON/OFF Switch
 higher capacity

Standards

EN60335
 MSN
 UN38.x

**LLPS-7S Docking station;
 Modico Series: SC701**

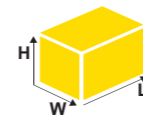


Technical Datas

Input Voltage 30V/DC
 Charging Current 350mA
 Max. Output Current 5A/DC
 Integrated Motor Control
 Output short-circuit protection
 Undervoltage Lock out
 Housing colour black RAL 9005
 Housing material ABS V0
 Ambient temperature 30°C
 Protection type IP20



Dimensions



L 142m
 W 90mm
 H 49,5mm
 Weight 200g

Options

AC in cable, C7 insert
 snap in Magnet
 PCBA Lilo charger LCH735
 30V DC IN cable for Lilo Charger and By-
 pass function

Standards

EN60335
 EN55014

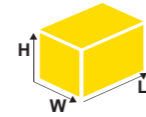
SM43 Desktop/Wall adapter Version



Technical Datas

Input voltage 100 – 240 V/AC
 Output voltage 29VDC
 output short-circuit protection
 Over current protection
 Over voltage protection
 Over temperature protection (Safety NTC-temperature-sensor)
 Cut off current approx.8A
 Power around 160W
 Efficiency Level VI
 Stand by Power < 0,3W
 Protection type IP20, Protection class II
 Intermitted mode with 10 % duty cycle with max. continuous use of 2 min
 Housing colour black RAL 9005
 LED "ON" indicator (green)
 Plug-in power cable on secondary side C7 outlet
 Plug-in country adapter for Wall adapter applications

Dimensions



L 118mm
 W 60mm
 H 39mm
 Weight 250g

Options

country specific versions plug adapters EU flat plug, UK and US
 other country adapters/cable on request

Standards

EN61000-4-2	EN55024
UL1310	FCC
EN55014	EN60950
EN55022	

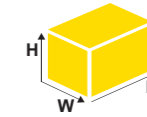
SM31 Desktop Version



Technical Datas

Input voltage 100 – 240 V/AC
 Output voltage 29 V DC
 output short-circuit protection
 Over current protection
 Over voltage protection
 Over temperature protection (Safety NTC-temperature-sensor)
 Cut off current approx.12A
 Power around 300W
 Efficiency Level V
 Stand by Power 0,3W
 Protection type IP20
 Protection class II
 Intermitted mode with 10 % duty cycle with max. continuous use of 2 min
 Housing colour black RAL 9005
 LED "ON" indicator (green)
 Plug-in power cable on secondary side C7 outlet

Dimensions



L 167mm
 W 97.5mm
 H 41mm
 weight 450g

Options

Country specific cable versions EU flat plug, UK and US
 Other country adaopters /cable on request
 EPR AC-Cable

Standards

EN61000-4-2	EN55024
UL1310	FCC
EN55014	EN60950
EN55022	

country adapter US

accessory for SM43



country adapter EU

accessory for SM43



country adapter UK

accessory for SM43



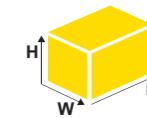
Lilo-Charger 7S; Model LCH 735



Technical Datas

7 cell configuration
 Input voltage 100 – 240 V/AC
 Nominal Output Voltage Output 29,4V/DC
 Charging current 350mA
 Power approx. 20W
 Wallmount Version
 2meter DC cable with 4/1,7 socket
 Over Temperature Protection
 Short Circuit Protection
 Over Current Protection
 Over Voltage Protection
 Ambient temperature 40°C
 Protection type IP20

Dimensions



L 93,5mm
 W 47mm
 H 35mm

Options

Country ersions EU flat plug, UK, US and AUS
 available with different DC plugs

Standards

EN60335
 EN60602
 EN55014

SM42 Desktop Version



Technical Datas

Input voltage 100 – 240 V/AC
 Output voltage 29 V DC
 output short-circuit protection
 Over current protection
 Over voltage protection
 Over temperature protection (Safety NTC-temperature-sensor)
 Cut off current approx.7A
 Power around 120W
 Efficiency Level VI
 Stand by Power < 0,3W
 Protection type IP20
 Protection class II
 Intermitted mode with 10 % duty cycle with max. continuous use of 2 min
 Housing colour black RAL 9005
 LED "ON" indicator (green)
 Plug-in power cable on secondary side C7 outlet
 Desktop Version

Dimensions



L 118mm
 W 60mm
 H 39mm
 weight 250g

Standards

EN61000-4-2	EN55024
UL1310	FCC
EN55014	EN60950
EN55022	

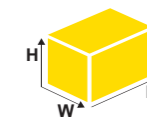
SM42 Wall adapter



Technical Datas

Input voltage 100 – 240 V/AC
 Output voltage 29 V DC
 output short-circuit protection
 Over current protection
 Over voltage protection
 Over temperature protection (Safety NTC-temperature-sensor)
 Cut off current approx.6A
 Power around 100W
 Efficiency Level VI
 Stand by Power < 0,3W
 Protection type IP20
 Protection class II
 Intermitted mode with 10 % duty cycle with max. continuous use of 2 min
 Housing colour black RAL 9005
 LED "ON" indicator (green)
 Desktop Version

Dimensions



L 100mm
 W 49mm
 H 33mm
 weight 180g

Standards

EN61000-4-2	EN55024
UL1310	FCC
EN55014	EN60950
EN55022	

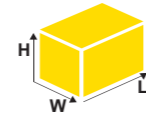
SM42 Desktop Version w. integrated LCH charger



Technical Datas

Input voltage 100 – 240 V/AC
 Output voltage 29 V DC
 output short-circuit protection
 Over current protection
 Over voltage protection
 Over temperature protection (Safety NTC-temperature-sensor)
 Cut off current approx.7A
 Power around 120W
 Efficiency Level VI
 Stand by Power < 0,3W
 Protection type IP20
 Protection class II
 Intermittent mode with 10 % duty cycle with max. continuous use of 2 min
 Housing colour black RAL 9005
 LED "ON" indicator (green)
 Plug-in power cable on secondary side C7 outlet
 Desktop Version

Dimensions



L 200mm
 W 70mm
 H 50mm
 weight 250g

Options

Standards

EN61000-4-2	EN55024
UL1310	FCC
EN55014	EN60950
EN55022	

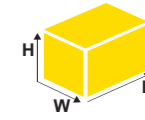
Junction Box



Technical Datas

Input/Output 29V/DC
 2 motor Output
 Handset Input
 Auxiliary Output
 Intermittent mode with 10 % duty cycle with max. continuous use of 2 min
 Protection type IP20

Dimensions



L 100mm
 W 46,5mm
 H 39,5mm
 Weight 120g

Options

Overcurrent Protection
 mounting clip
 customer sticker on the housing

Standards

EN60335

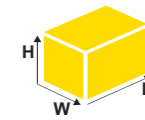
1-Mot Memo Relaisbox (JB)



Technical Datas

Input/Output 29V/DC
 Max. Output Current 5A/DC
 1 Motor Output
 Intermittent mode with 10 % duty cycle with max. continuous use of 2 min
 Protection type IP20
 Overload Protection
 Overcurrent Protection
 Housing colour black RAL 9005
 Housing material ABS V0
 Ambient temperature 30°C

Dimensions



L 100mm
 W 46,5mm
 H 39,5mm
 Weight 180g

Options

mounting Clip
 customer sticker on the housing

Standards

EN60335

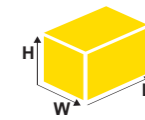
2-Mot Sequence control unit (JB)



Technical Datas

Input/Output 29V/DC
 Max. Output Current 5A/DC
 2 Motor Output (sequence control)
 Intermittent mode with 10 % duty cycle with max. continuous use of 2 min
 Protection type IP20
 Overload Protection
 Overcurrent Protection
 Housing colour black RAL 9005
 Housing material ABS V0
 Ambient temperature 30°C

Dimensions



L 100mm
 W 46,5mm
 H 39,5mm
 Weight 200g

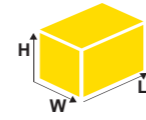
LCR 1-mot Relais Box



Technical Datas

Input/Output 29V/DC
 Max. Output Current 5A/DC
 1 Motor Output
 Intermittent mode with 10 % duty cycle with max. continuous use of 2 min
 Protection type IP20
 Overload Protection
 Overcurrent Protection
 Housing colour black RAL 9005
 Housing material ABS V0
 Ambient temperature 30°C

Dimensions



L 160mm
 W 55mm
 H 38mm
 Weight 210g

Options

charging cable for Accu use
 Overload Protection for each motor Channel individuel
 different cable or socket In/outputs possible

Standards

EN60335

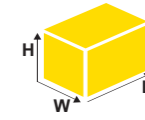
ISP 4-mot



Technical Datas

Input/Output 29V/DC
 Max. Output Current 5A/DC
 4 Motor Output
 Intermittent mode with 10 % duty cycle with max. continuous use of 2 min
 Protection type IP20
 Overload Protection
 Overcurrent Protection
 Housing colour black RAL 9005
 Housing material ABS V0
 Ambient temperature 30°C

Dimensions



L 174,5mm
 W 83,75mm
 H 39,6mm
 Weight 310g

Options

different cable or socket In/outputs possible
 Massage Option
 free programmable
 mounting feet

Standards

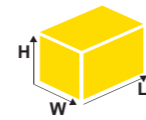
LCR 2-mot Relais Box



Technical Datas

Input/Output 29V/DC
 Max. Output Current 5A/DC
 2 Motor Output
 Intermittent mode with 10 % duty cycle with max. continuous use of 2 min
 Protection type IP20
 Overload Protection
 Overcurrent Protection
 Housing colour black RAL 9005
 Housing material ABS V0
 Ambient temperature 30°C

Dimensions



L 160mm
 W 55mm
 H 38mm
 Weight 230g

Options

charging cable for Accu use
 Overload Protection for each motor Channel individuel
 different cable or socket In/outputs possible

Standards

EN60335

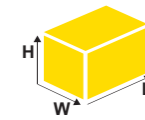
µP-multi motor control



Technical Datas

Input/Output 35V/DC
 Up to 6 motors independent selectable
 multiple Hand and Footswitch Input's
 Intermittent mode with 10 % duty cycle with max. continuous use of 2 min
 Protection type IPx6
 free programmable
 Overload Protection
 Overcurrent Protection
 Akku or SMPS use possible
 Pull out protection both sides
 Bottom Housing colour black RAL 9005
 Top Housing color transparent
 Housing material ABS V0 // PC
 Ambient temperature 40°C
 Dimensions(Lxwxh)155mmx135mmx35mm
 Weight 500g

Dimensions



L 155mm
 W 135mm
 H 35mm
 Weight 500g

Options

Lighting output
 Heating output
 Massage output
 Multimedia output

Standards

EN60335
 EN60601

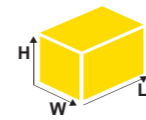
LCR 3-mot Relais Box



Technical Datas

Input/Output 29V/DC
 Max. Output Current 5A/DC
 3 Motor Output
 Intermittent mode with 10 % duty cycle with max. continuous use of 2 min
 Protection type IP20
 Overload Protection
 Overcurrent Protection
 Housing colour black RAL 9005
 Housing material ABS V0
 Ambient temperature 30°C

Dimensions



L 160mm
 W 55mm
 H 38mm
 Weight 250g

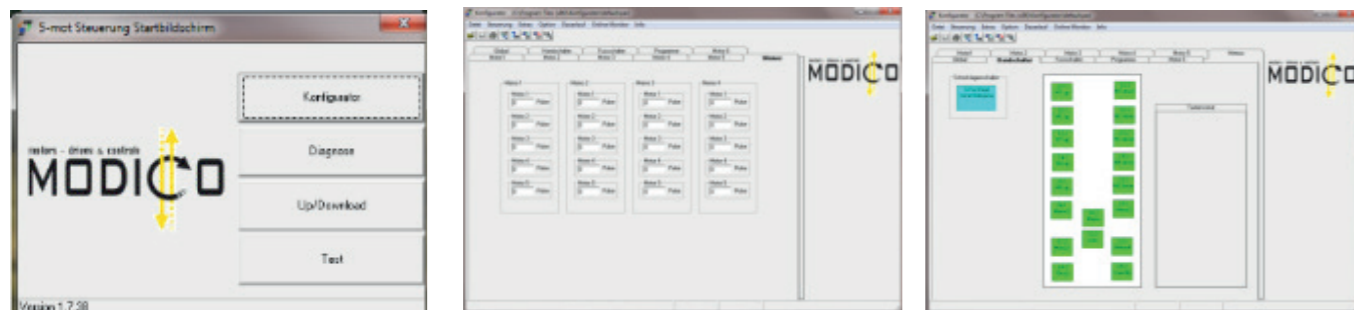
Options

charging cable for Accu use
 Overload Protection for each motor Channel individuel
 different cable or socket In/outputs possible

Standards

EN60335

PC Software



Technical Datas

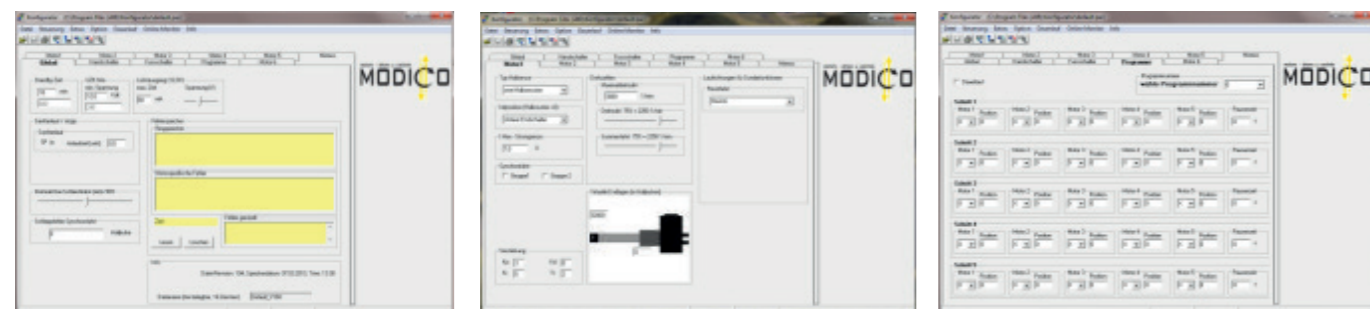
- Hallsensor 0,1,2
- Limit switch selection
- Virtual limit switches
- Synchron drive
- Driving speed adjustable for single and multiple drives
- Adjustable current limit
- Loop parameters
- Reset drive
- Reset positions
- Sequencer programming
- Sequenz is started by a comand from handset
- Test features integrated
- Continuous test
- 5 individual sequences programmable

- Total 18 keys per handset
- Free adjustable
- Each function can be placed on each button
- Same functionality also for the foot switch and /or other handsets

- Configurator Paramter tool
- Up/Download tool
- Diagnostic tool
- Test tool for handsets and footswichtes

and many other functions....

- From all 6 motors you could see current, voltage, Hallcounter etc.
- Graphic and numeric display
- View operating hours and total power on time
- Handset I2C diagnose
- Memoposition could be checked
- Failure history
- Power supply voltage
- Status Flags
- Etc.



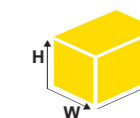
Chameleonic 1-mot



Technical Datas

- 2 Buttons
- ergonomical design
- micro switches

Dimensions



- L 113mm
- W 48mm
- H 28mm

Options

- soft touch
- charging socket
- LED
- Magnet
- Hook
- customer Logo

Chameleonic 2-mot



Technical Datas

- 5 Buttons
- ergonomical design
- micro switches

Dimensions



- L 113mm
- W 48mm
- H 28mm

Options

- soft touch
- charging socket
- LED
- Magnet
- Hook
- Customer Logo

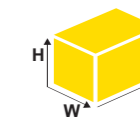
KB-2-mot



Technical Datas

- 6 Buttons
- micro switches
- ergonomical design

Dimensions



- L 123mm
- W 45mm
- H 22mm

Options

- customer Logo
- Hook
- differnt colours and surfaces
- customer Logo

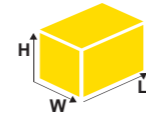
EI-Phone



Technical Datas

9 Buttons
silicon carbon buttons
slim modern design

Dimensions



L 125mm
W 60mm
H 17mm

Options

different colours and surfaces possible
backlight
Hook
customer Logo
sideward light



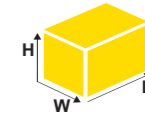
HS Easyform 3-mot +Mas-sage



Technical Datas

13 Buttons
silicon carbon
ergonomical design
soft touch surface
Massage Function

Dimensions



L 160mm
W 55mm
H 21mm

Options

Hook
different colours and surfaces possible
customer Logo
customized foils

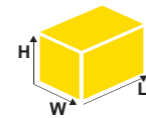
HS Cosyform 4-mot



Technical Datas

9 Buttons
silicon carbon
ergonomical design
soft touch surface

Dimensions



L 160mm
W 55mm
H 21mm

Options

Hook
internal magnet
different colours and surfaces possible
customer Logo
customized foils

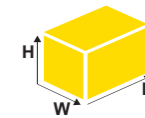
HS Easyform 2-mot



Technical Datas

5 Buttons
silicon carbon
ergonomical design
soft touch surface

Dimensions



L 160mm
W 55mm
H 21mm

Options

Hook
different colours and surfaces possible
customer Logo
customized foils

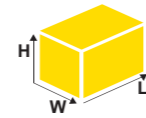
HS Easyform 2-mot +Mas-sage



Technical Datas

11 Buttons
silicon carbon
ergonomical design
soft touch surface
Massage Function

Dimensions



L 160mm
W 55mm
H 21mm

Options

Hook
different colours and surfaces possible
customer Logo
customized foils

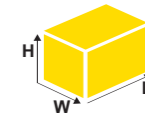
HS Easyform 3-mot



Technical Datas

7 Buttons
silicon carbon
ergonomical design
soft touch surface

Dimensions



L 160mm
W 55mm
H 21mm

Options

Hook
different colours and surfaces possible
customer Logo
customized foils

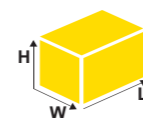
BB cable handset



Technical Datas

1 button
optical touch sensor
ergonomical design
soft touch surface
easy to use one button for two motors

Dimensions



L 113mm
W 48mm
H 28mm

Options

Hook
different colours and surfaces possible
customer Logo
senor free programmable
backlight



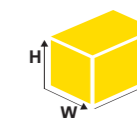
2-mot insert Switch_V0



Technical Datas

micro switches
4 Buttons
Reset Button
Comfort Button

Dimensions

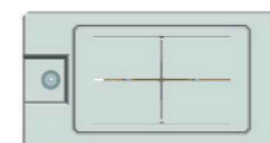


L 85mm
W 50mm
H 23mm

Options

soft touch
back light
different colours

2-mot insert switch_Metal_V1



Technical Datas

metal Top cover
micro switches
4 buttons
Reset Button
Comfort Button

Dimensions



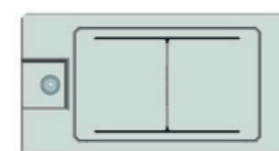
L 120mm
W 74mm
H 54mm

Options

soft touch
back light
different colours
charging socket



1-mot insert Switch_Metal_V1



Technical Datas

metal Top cover
micro switches
2 buttons

Dimensions



L 120mm
W 74mm
H 54mm

Options

soft touch
back light
different colours
chrging socket

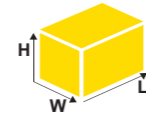


2-mot insert Switch_Metal_V2



Technical Datas
metal panel with metal buttons
micro switches
4 buttons

Dimensions



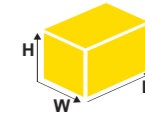
L 85mm
W 50mm
H 29mm

2-mot insert Switch_Metal_USB_V3



Technical Datas
metal panel with chrom buttons
micro switches
4 buttons with USB port

Dimensions



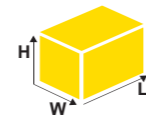
L 85mm
W 50mm
H 29mm

2-mot insert Switch_Metal_USB_V2



Technical Datas
metal panel with metal buttons
micro switches
4 buttons with USB port

Dimensions



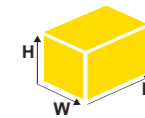
L 85mm
W 50mm
H 29mm

1-mot insert Switch_Metal_V1



Technical Datas
metal panel with metal buttons
micro switches
2 buttons

Dimensions



L 83mm
W 33mm
H 30mm

Options

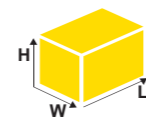
soft touch
back light
different colours
charging socket

2-mot insert Switch_Metal_V3



Technical Datas
metal panel with Chrom buttons
micro switches
4 buttons

Dimensions



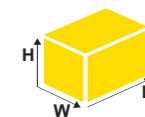
L 85mm
W 50mm
H 29mm

1-mot insert Switch_Metal_USB_V2



Technical Datas
metal panel with metal buttons
micro switches
2 buttons with USB port

Dimensions



L 83mm
W 33mm
H 30mm

Options

soft touch
back light
different colours
charging socket

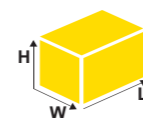
1-mot BB insert Switch



Technical Datas

optical touch sensor
no **stand by** current
Acryl glas
Chrome frame
1 button

Dimensions



L 120mm
W 74mm
H 54mm

Options

backlight
direction arrows
programmable sensor function



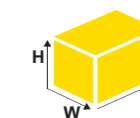
Charging socket



Technical Datas

Interface socket suitable for different kind of AC/ DC plugs & sockets. **Could** be used i.e. as charging socket for Accu Pack applications, or also as handset Interface ABS
Color black

Dimensions



Ø 43mm
L 42mm

Options

different paintings for the cover on request

2-mot BB insert Switch



Technical Datas

optical touch sensor
no **stand by** current
Acryl glas
Chrome frame
1 button

Dimensions



L 120mm
W 74mm
H 54mm

Options

backlight
direction arrows
programmable sensor function



Universal strain relief



Technical Datas

Universal strain relief for every type of cable. **Can** be screwed or stapled into any wood or steel mechanism. ABS
Color black

Dimensions



L 130mm
W 10mm
H 6mm



example

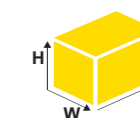
mounting clip Junction Box



Technical Datas

suitable for all type of modico junction boxes. ABS
Color black

Dimensions



L 60mm
W 43mm
H 24mm

SR Clip for modico DIN plug & sockets

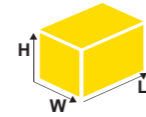


Technical Datas
suitable for all Modico DIN plug and socket cable connections
ABS
Color black



example

Dimensions



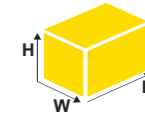
L 47mm
W 22mm
H 16mm

Mounting Bracket for LLPS Powerp.1300mAh Lilo. 7S1P



Technical Datas
quick and tool-free installation/ replacement of a 7S1 Accu Pack
ABS
color black

Dimensions



L 145mm
W 93mm
H 43mm

SR Clip for modico DIN plug & sockets IPX4/6

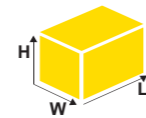


Technical Datas
suitable for all Modico DIN plug and socket cable connections, where an IP level **are** necessary
ABS
Color black



example

Dimensions



L 48mm
W 25mm
H 17mm

Programmer for microprocessor CU



Technical Datas
suitable for μ P-multi motor control
color black
Material PVC



SR Clip for modico/OKIN/LI-MOSS LS plug & sockets



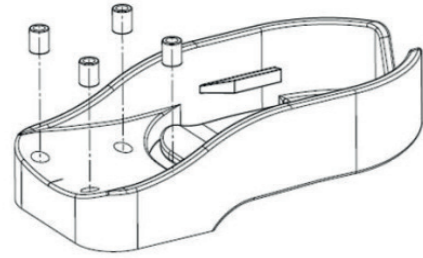
Technical Datas
Universal Loudspeaker strain relief for all MODICO/ LIMOSS /OKIN LS connections
ABS
color black
compatible with Limoss/OKIN LS plug & sockets

Lacidem Handset Hook



Technical Datas
suitable for all Modico handsets type LACIDEM
color black /grey
Material ABS V0

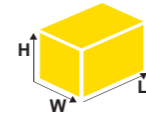
**Handset Holder LACIDEM;
M4 screw inserts**



Technical Datas

suitable for all Modico handsets type LACIDEM
color black
Material ABS HB

Dimensions



L 139mm
W 65mm
H 37,5mm

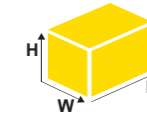
Fußtaster gummiert; IPx6



Technical Datas

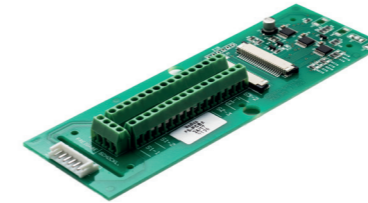
max. operating voltage 24VDC
max. switching current 30mA
protection degree IPx6
conduct resistance 100mohm
cable length 390mm
colour grey

Dimensions



Ø 40mm

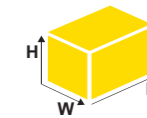
**PCBA FS; I2C; Ver. A06; f.
double layer foil**



Technical Datas

I2C controlled
max. operating voltage 30VDC
max. switching current 30mA
PCB Material FR4 double sided
thickness 1,6mm
18 screw terminals

Dimensions



L 153mm
W 58mm
H 16mm

HS Lacidem; Rev.3

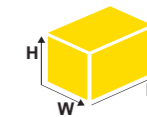


Technical Datas

18 keys dome switch keys
function free programmable
I2C controlled
PCB Material FR4 double sided
cable length 1200mm coiled
Protection degree IPX6
Material ABS V0



Dimensions

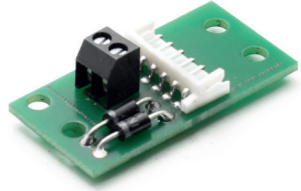


L 180mm
W 55mm
H 34mm

Options

black housing
grey housing
customized foils

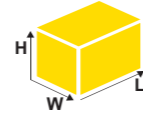
Schocklagenplatine



Technical Datas

PCBA For 1 Fußstaster
PCB Material FR4 double sided
thickness 1,6mm
max. operating voltage 24VDC
max. switching current 30mA

Dimensions

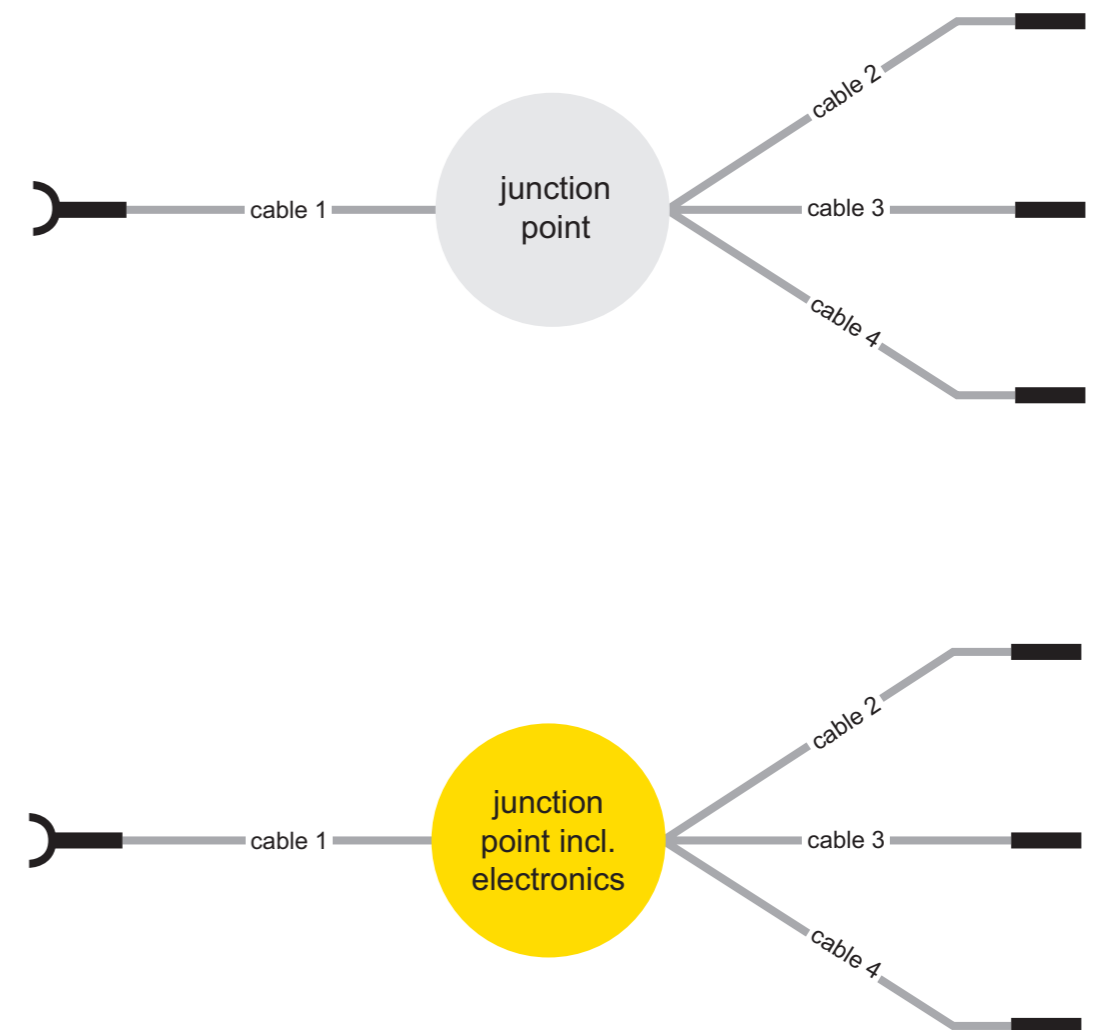
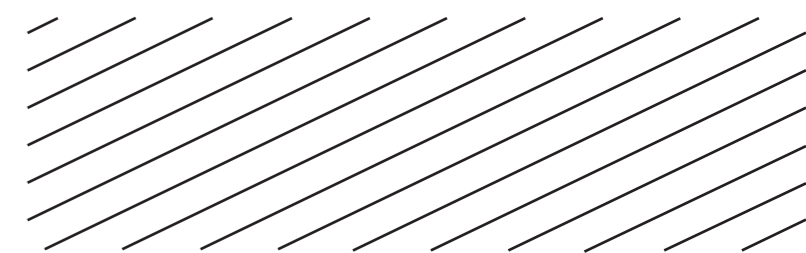
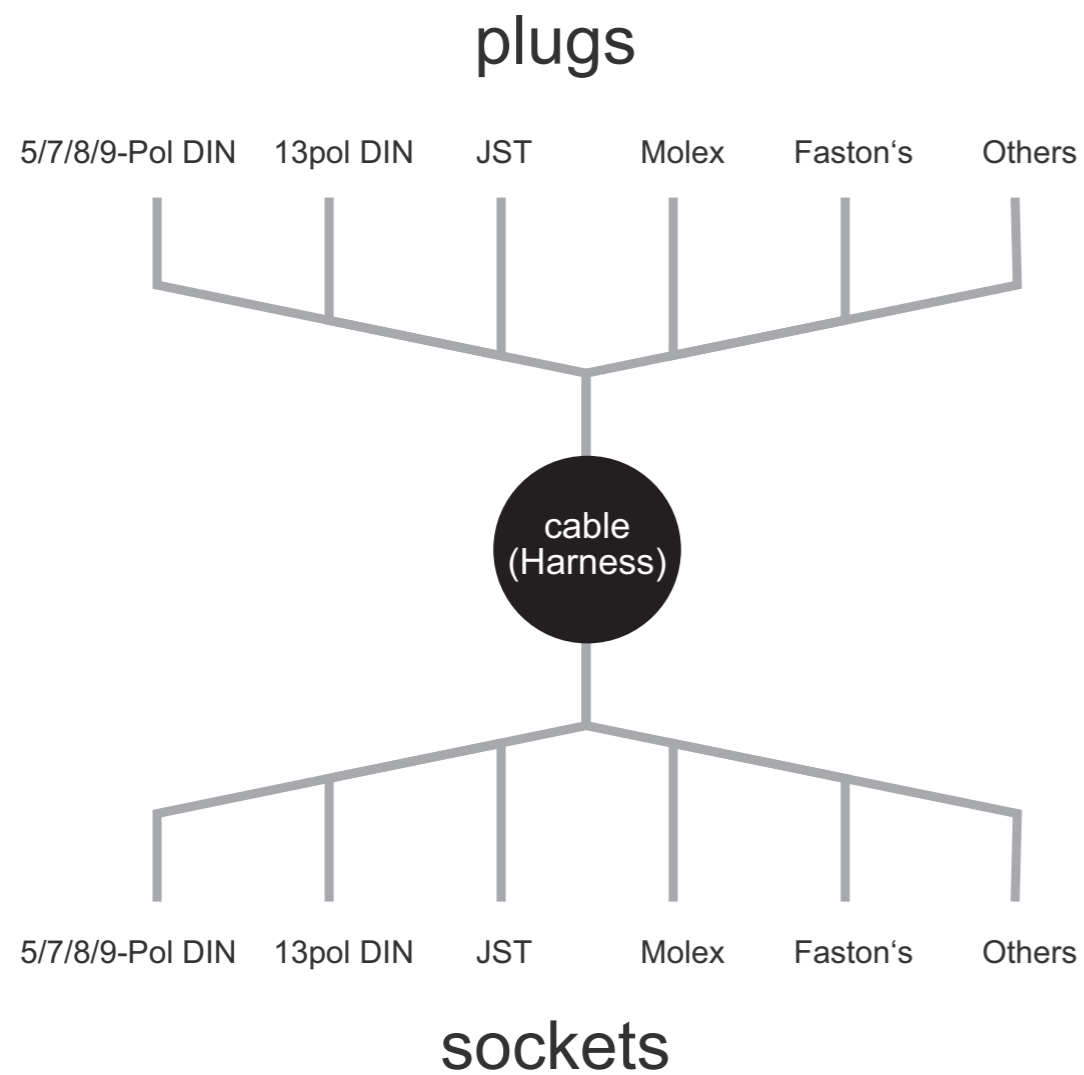


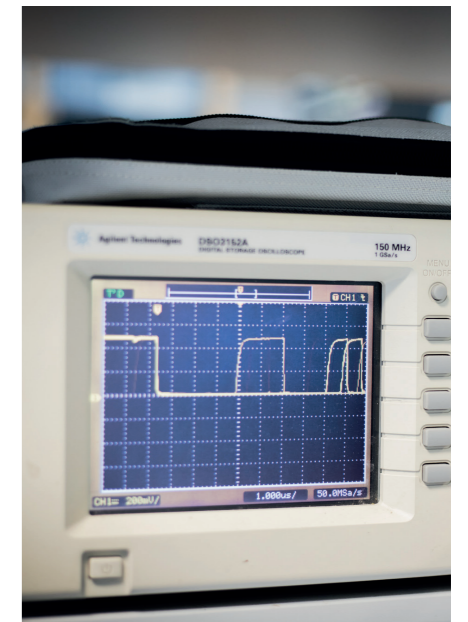
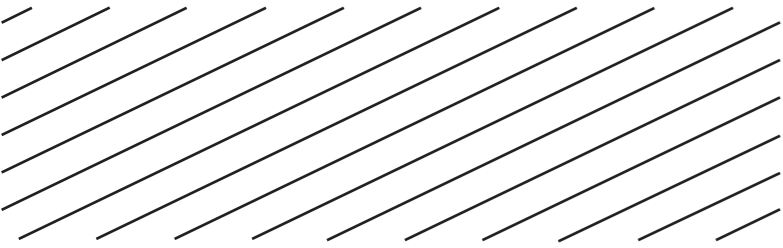
L 40mm
W 20mm
H 16mm

cable and cable harness

In addition to a wide range of standard cables and harnesses, Modico systems mainly offers customized solutions tailored to your requirements.

Based on your specifications, we create a release drawing in advance, which later serves as the basis for the production of your cable. We use all common sockets and connector types from Molex, JST, Tyco, Nexus up to 2-13 pin DIN types. We also like to create and produce your cable, and look forward to receive your inquiry.

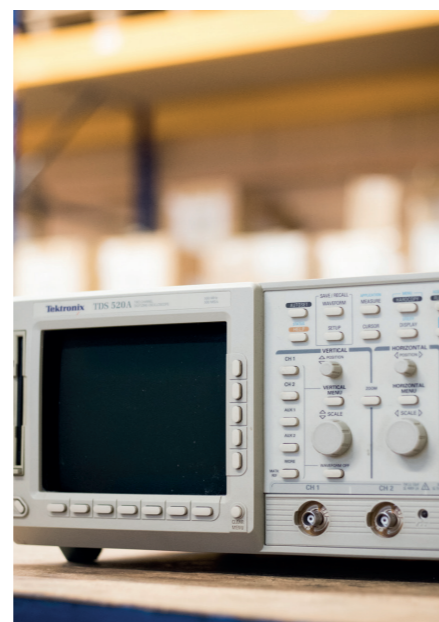
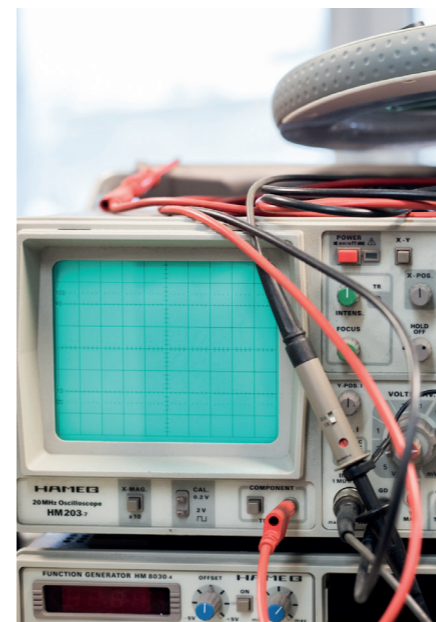




workbench

Every development and every product has its own challenges. But what is the same for all products in any way is that you have to meet and comply certain norms and standards. Modico Systems is well prepared for this, and draws on a wide range of different measuring techniques as well as EDP based simulation software. Thus, we are able to offer our customers a pre-compliant test as well as various preliminary measurements and examinations. For official EMC or safety inspections, we work with accredited test laboratories, for which we maintain long-term business relationships. Here is an excerpt of our measuring equipment.

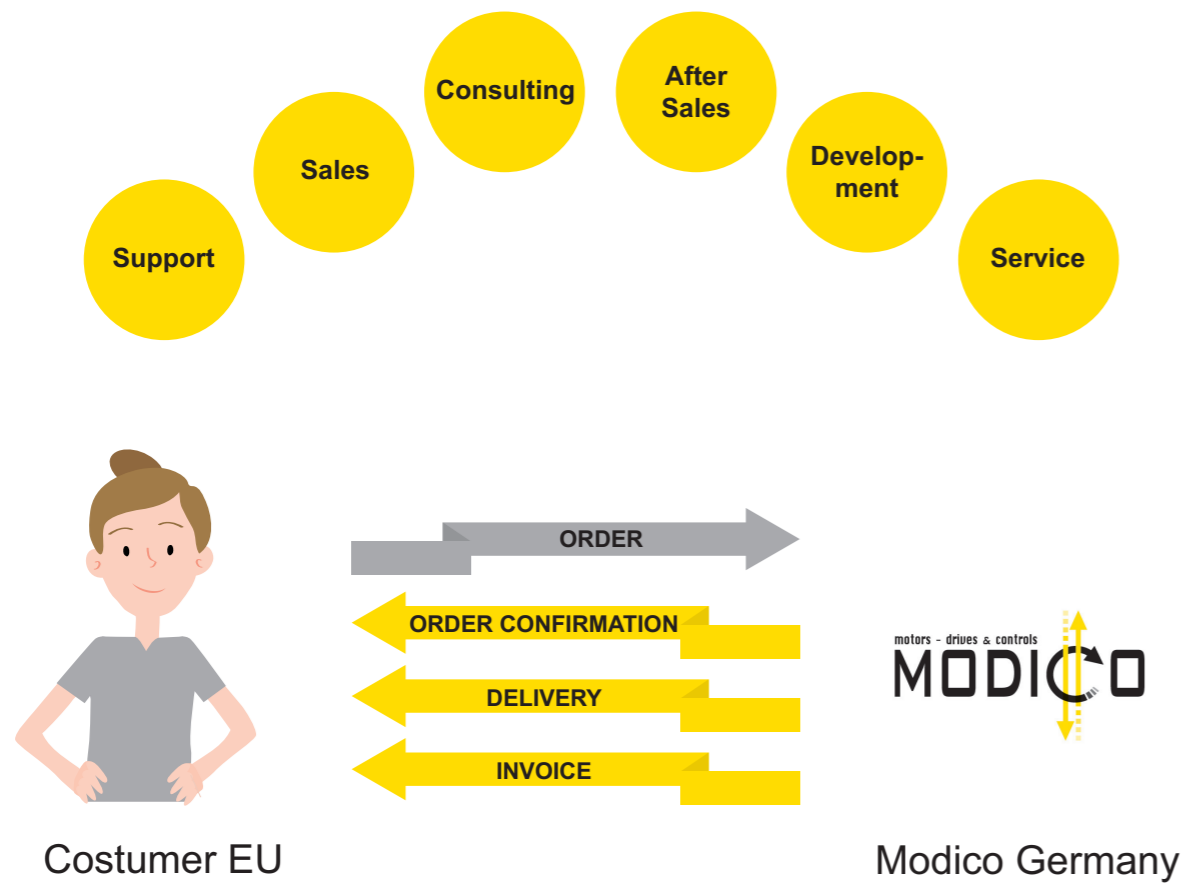
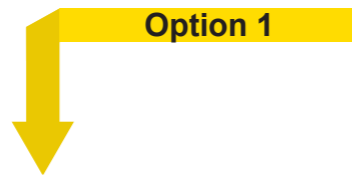
- a) spectrum analyzer b) electronic load c) 2-4 channel oscilloscope d) precision wattmeter e) High Voltage isolation tester (ESD) f) interference generator g) AC- reference voltage source h) function generator i) frequency rate Monitor.



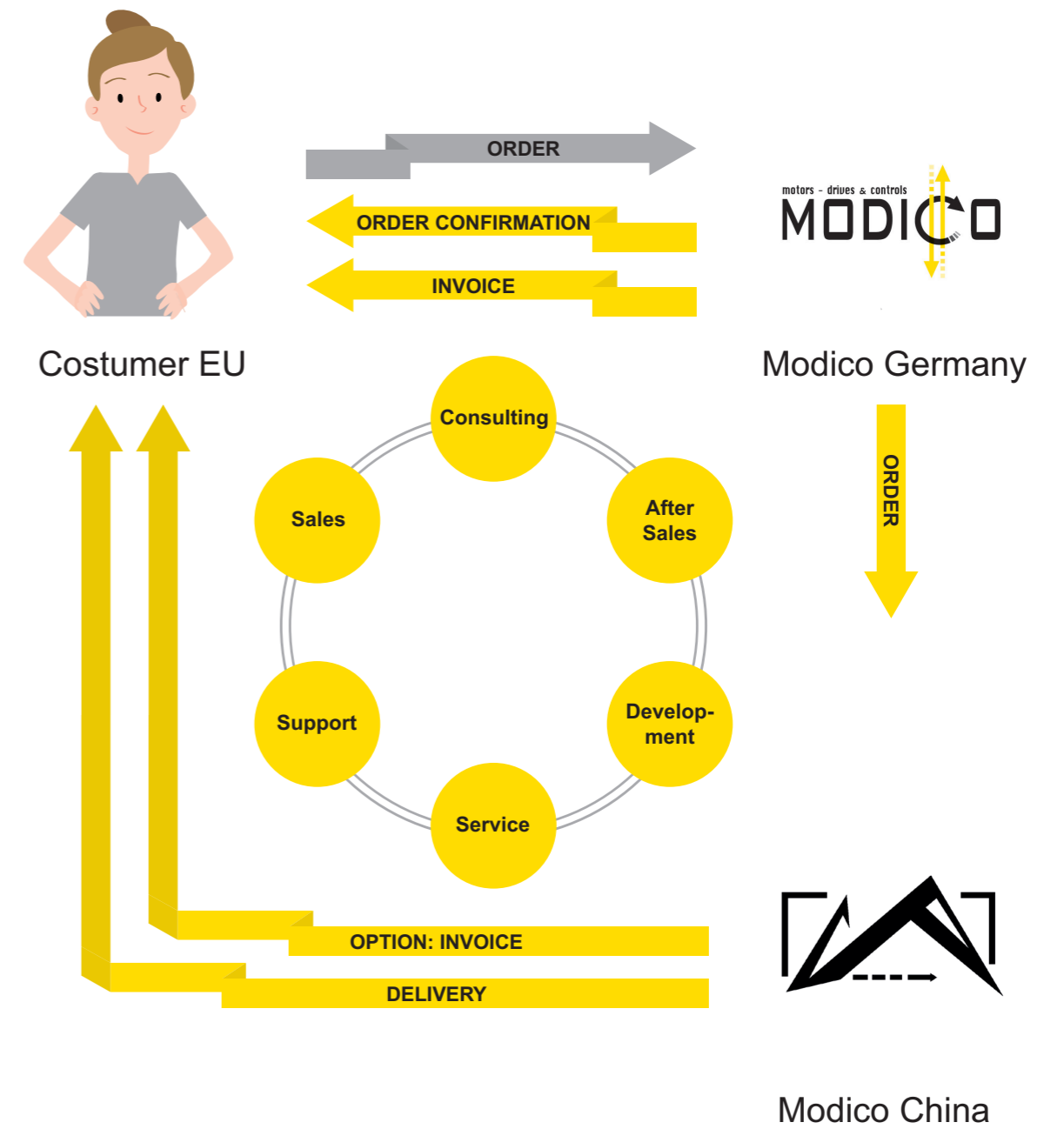
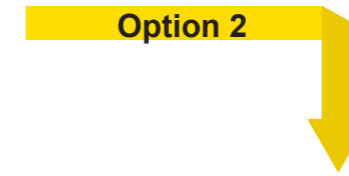
process

Modico offer's there customers a bright range of possibilities how and where they could source and produce their needed Products. The following figures should give you an first impression about the freedom degree.

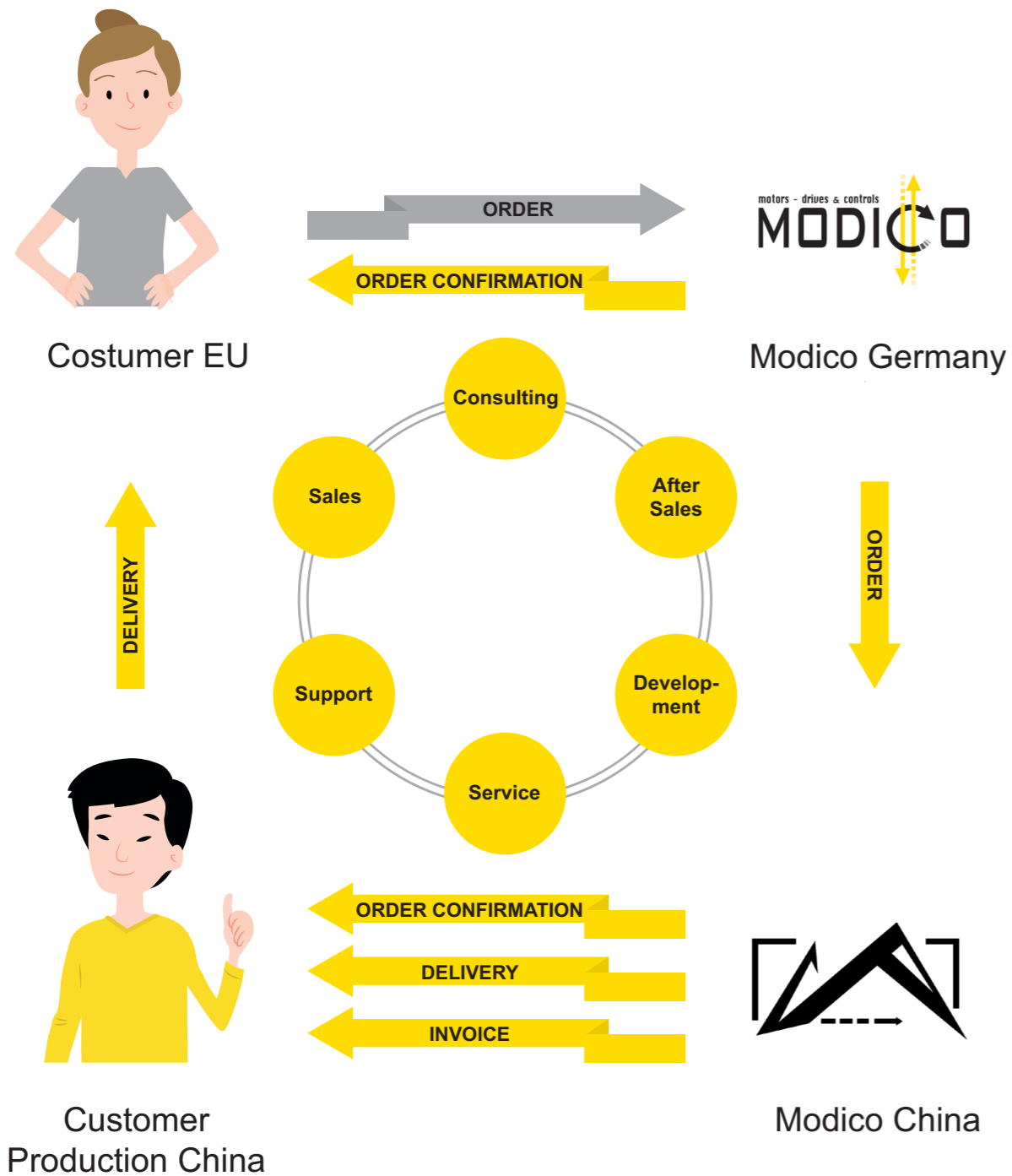
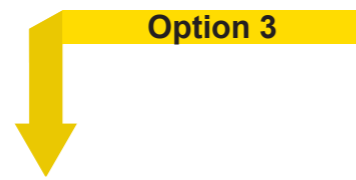
From the order to the delivery to the after sales, the customer is supported completly from Germany



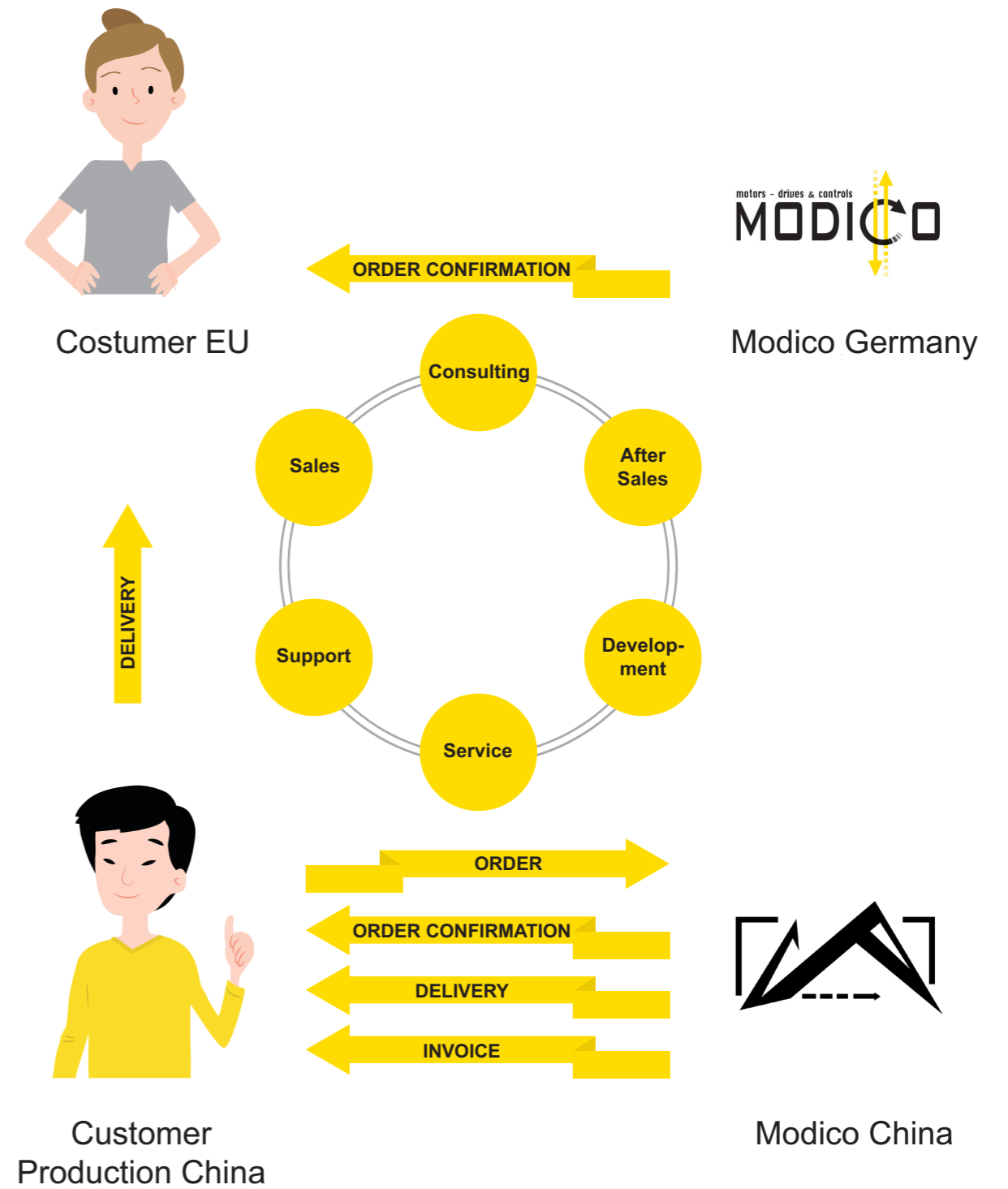
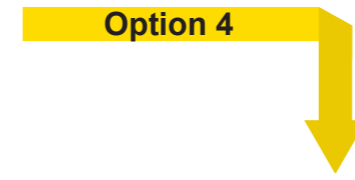
Same as Option 1 but the costumer recived the delivery and/or Invoice direct from China



The customer places their order in Germany, but the delivery will be handled direct in China



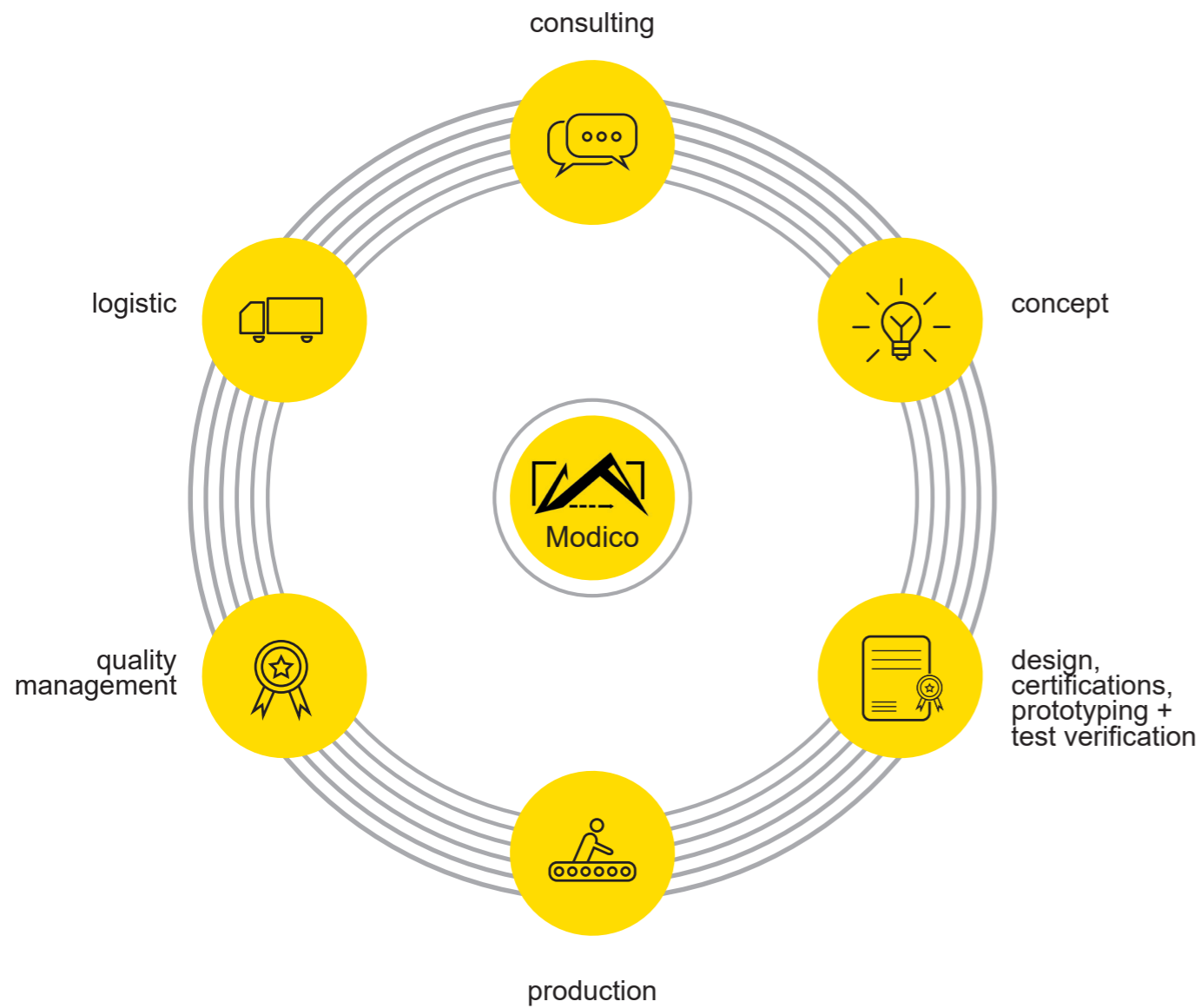
The Chinese production Company place their order direct to Modico China. Modico Germany is not in the daily business only if the customer requires.



project handling

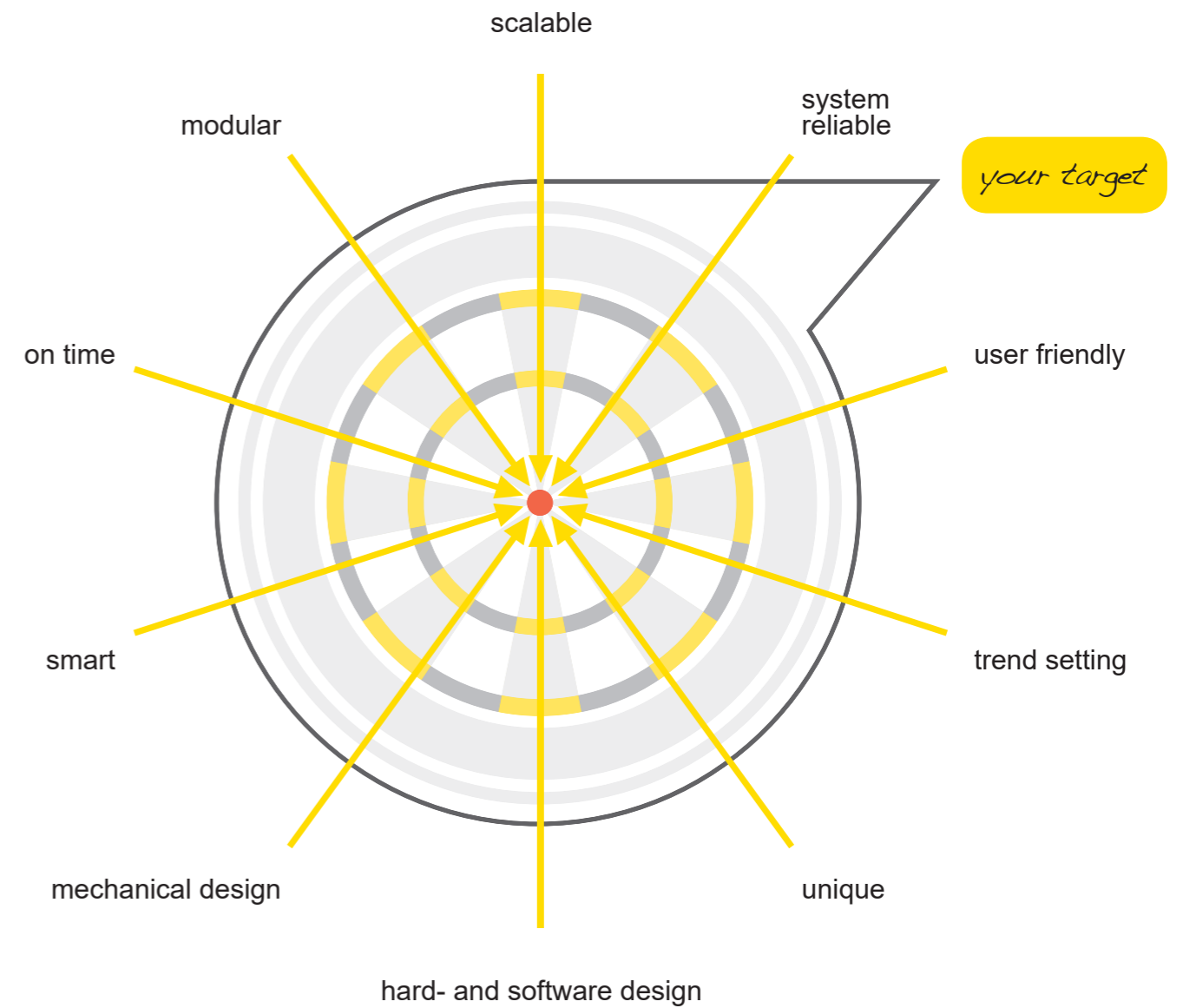
From sript to the serial product....

We accompany you from the consultation to the concept phase to the later series product. Every single project phase is closely coordinated with you.

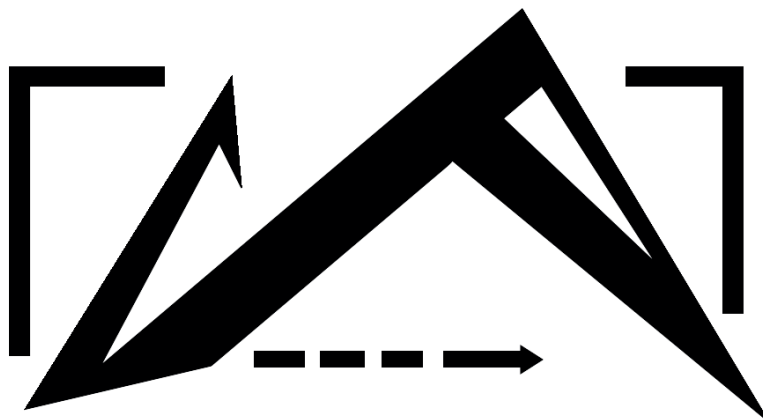


your idea is our target...

with our team of experts we develop your drive solution together with you. Here we place maximum value on the following parameters.



Our teams are looking for a total solution.



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