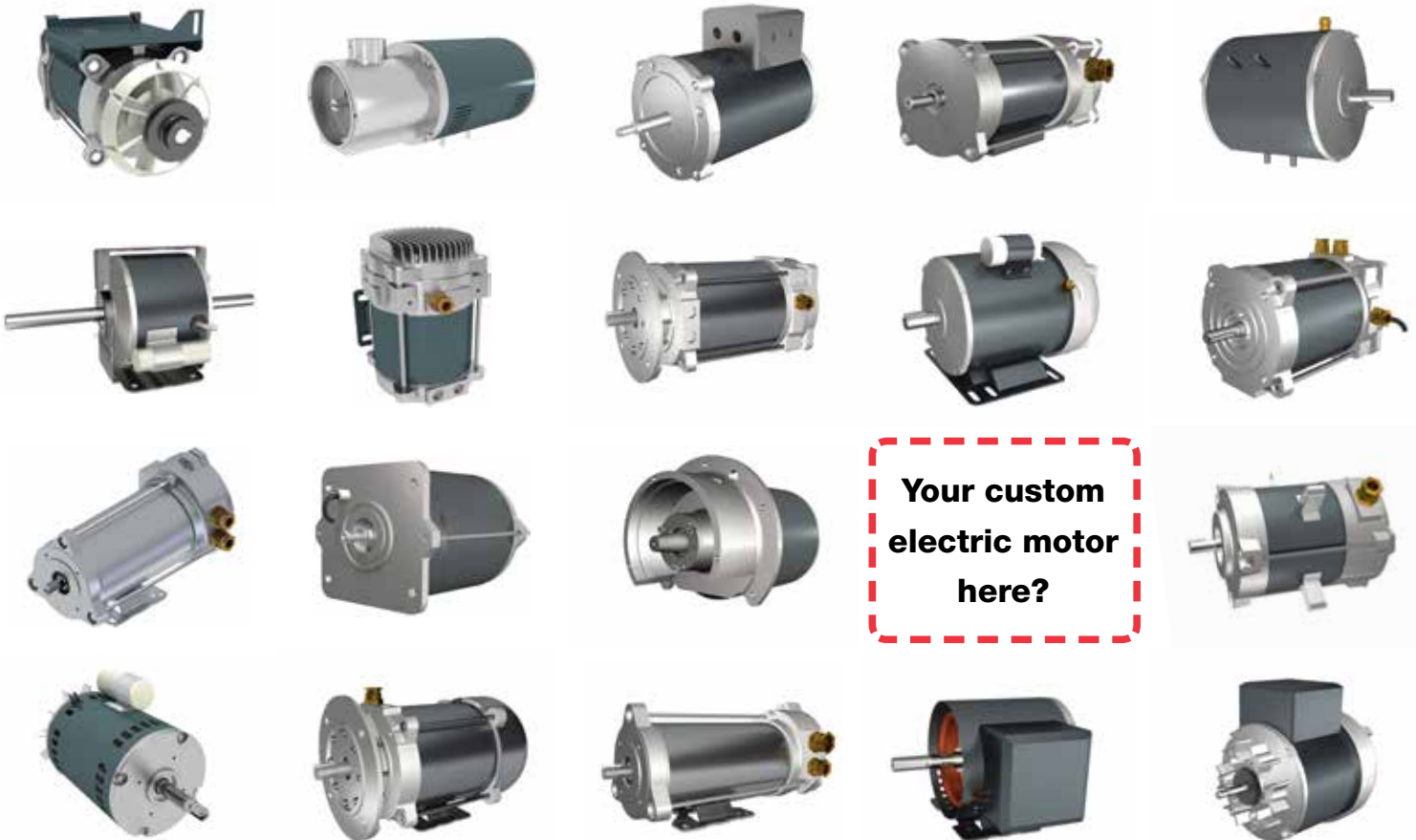




THINK CUSTOM MOTORS

to Build Better Machines & Outperform Competition

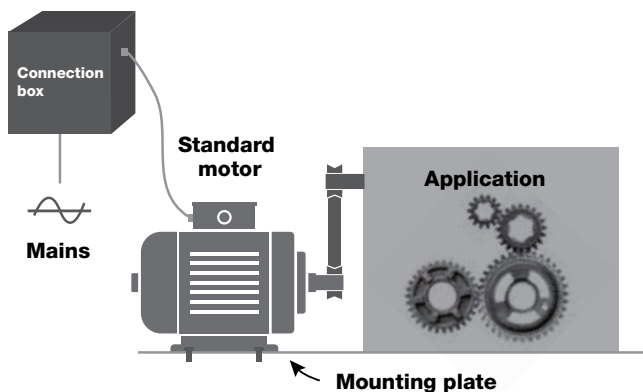


CUSTOM ELECTRIC MOTORS

The choice of a growing number of top manufacturers

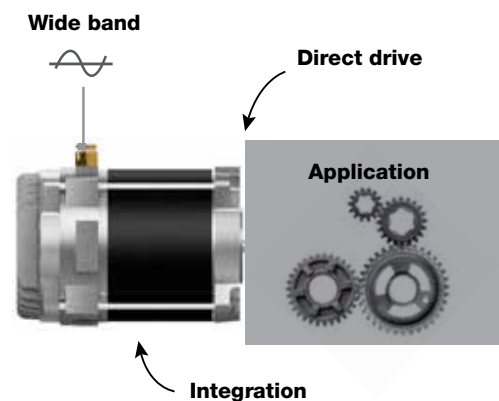
Buying off-the-shelf has been the golden standard for ages. In times of agile development and customised mass production, it is a smart choice to opt for custom electric motors. ELNOR Motors collaborates with OEMs and manufacturers to develop, produce and integrate its custom motors into their machines and equipment. The impact is impressive. The cost of ownership decreases, while the equipment becomes more compact and reliable, lighter in weight, more silent and efficient, while exhibiting lower noise & vibrations.

Off-the-shelf motor



A standard electric motor involves intricate and costly control and driveline manipulation.

Custom ELNOR motor



A custom ELNOR motor simplifies the configuration, improves performance, and saves time & money.

OUR STRENGTHS

- Mechanical & electrical expertise
- Decades of field & market experience
- Experts in motor integration
- Specialist in worldwide motor & system certification
- In-house design & manufacturing
- Laboratory testing facilities
- Partnering with global customer base
- Centrally located in Europe

YOUR BENEFITS

- Fit-for-purpose motor, resolving your system or machine challenges
- Optimised motor performance & high motor efficiency
- Simplified and more durable drivetrain
- Reduced assembly time & overall cost
- Lower noise & vibration
- Reduced weight & space envelop

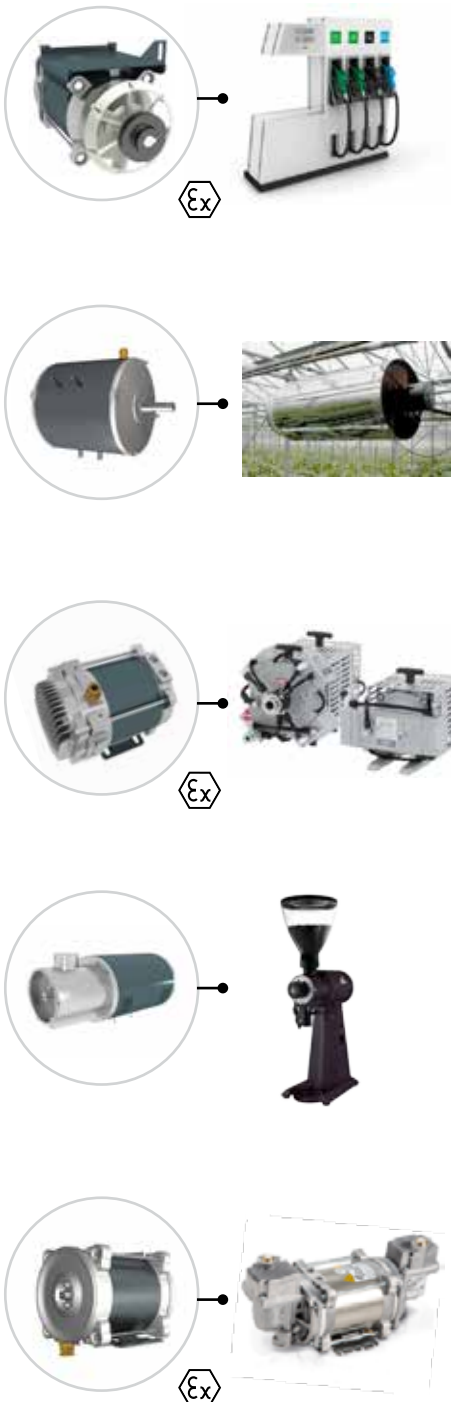


Contact us to discuss your motor challenges and system ambitions.

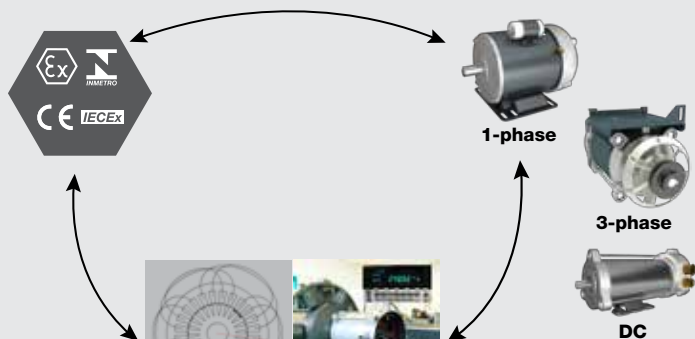
DRIVING COUNTLESS APPLICATIONS

Serving a range of applications across industries

Worldwide, custom ELNOR motors are built into a broad and varied range of machines. ELNOR Motors applies a unique collaborative approach to rapidly develop a fit-for-purpose motor – covering performance, integration and certifications – that resolves your system or machine challenges. The approach uniquely combines mechanical and electrical expertise with global explosion protection related certification – for single & three phase AC motors and DC motors.



- Certification
- Production quality system



- Multiple mains
- Start/run capabilities
- Motor efficiency
- Start performance

Mechanical and electrical motor design & integration

- CAD
- Test (motor & machine)
- Custom winding

Custom application-driven development

The engineering team investigates the operational requirements for your specific application. Based on the selected motor type (single-phase, three-phase, DC), the winding is tailored to the application, delivering the required starting torque and optimised thermal behaviour. Integration of components (e.g. relay, timer or overload protection) reduces the complexity of the final assembly.

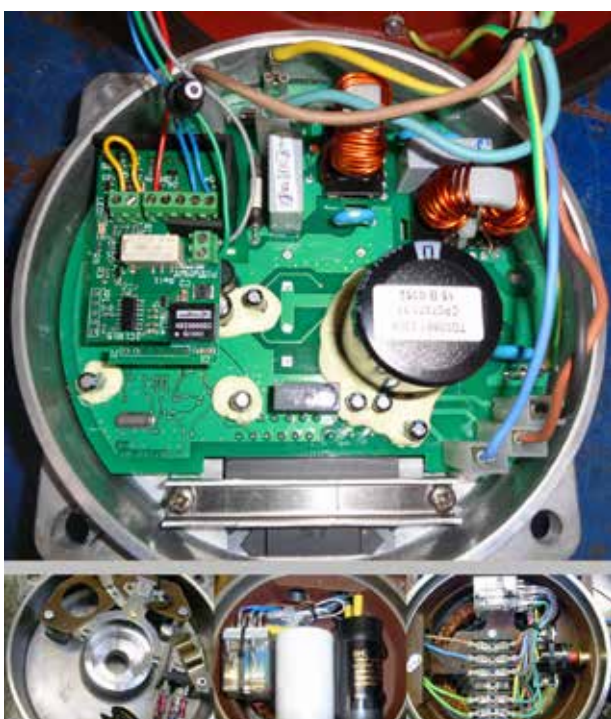
Worldwide industry applications

Fuel dispensers	Coffee grinders	Special air conditioners
Vapour recovery systems	Bread slicers	Reciprocating pumps
LPG pumps	Polishing machines	Meat slicers
Heating systems	Shakers	Paint conditioning systems
Ventilation systems	Sampling pumps	Wastewater pumps
Special drives	Injection systems	Food processing equipment
Valve actuators	Vacuum pumps	Wellhead control systems
Hydraulic power packs	Medical compressors	Agricultural automation

FASTER & EASIER CERTIFICATION

Commercialise explosion proof motors internationally

ELNOR Motors has extensive experience with explosion-proof motors. Specialists of ELNOR use their motor engineering and Ex expertise to design, develop and produce custom motors within the boundaries of the applicable Ex-standards. The certified ELNOR motor and the collaboration with ELNOR simplify the certification process of your equipment, reducing time to market. This allows manufacturers to rapidly and confidently commercialise products internationally.



International approvals

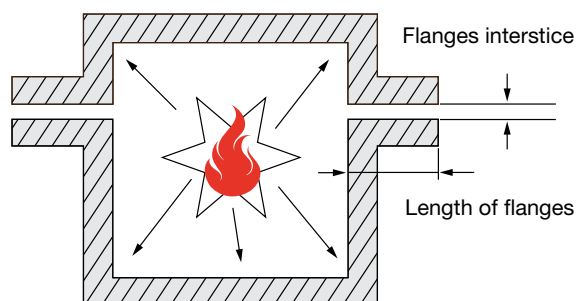
The motors of ELNOR are available with approvals to ATEX, IECEx, Inmetro and UL standards for use in environments containing hazardous gases and vapours. ELNOR specialists are experienced in setting up and developing a technical Ex file and push motor design forward following the applicable explosion protection standards.

Exd motor design philosophy

ELNOR Motors designs according to Exd certification requirements. The explosion proof Exd motor construction prevents the propagation of an incidental internal explosion to the surrounding explosive atmosphere. This approach allows the integration of components that otherwise have to be installed in a separate box or outside the EX zone.

Global motor distribution & use

The strategy of ELNOR supports global explosion-proof motor design & certification for international motor distribution and use.



CUSTOM MOTOR TYPES

Explosion-proof motors

Exd motors for use in potentially explosive environments, including integrated components. Certified to European ATEX and many other international standards.



Single-phase motors

Compact single-phase motors offering high starting torque, low noise and vibration, integrated cooling and/or customised fixations.



DC motors

12V or 24V brushed Direct Current (DC) motors with ATEX approval for use in potentially explosive environments.



Motors with integrated speed control

Exd asynchronous motor with integrated speed control for variable speed applications in hazardous areas.



MOTOR SIZE & POWER RANGE

12V tot 690V
50 / 60 Hz

0.05 kW

“7300” – SIZE 56-63

0.50 kW



0.10 kW

“100” – SIZE 71

0.75 kW

0.20 kW

“200” – SIZE 80

1.00 kW



0.30 kW

“300” – SIZE 90

2.20 kW

0.10 kW

“AP80 DC” – SIZE 71

0.90 kW





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YOUR RELIABLE MOTOR PARTNER

When considering international expansion into existing and new market segments, ELNOR is your preferred partner. Customers value ELNOR for a number of reasons, including certification support, fast and flexible delivery, and reliable operation with multiple mains across intercontinental markets. ELNOR keeps its promises with respect to motor quality and delivery.