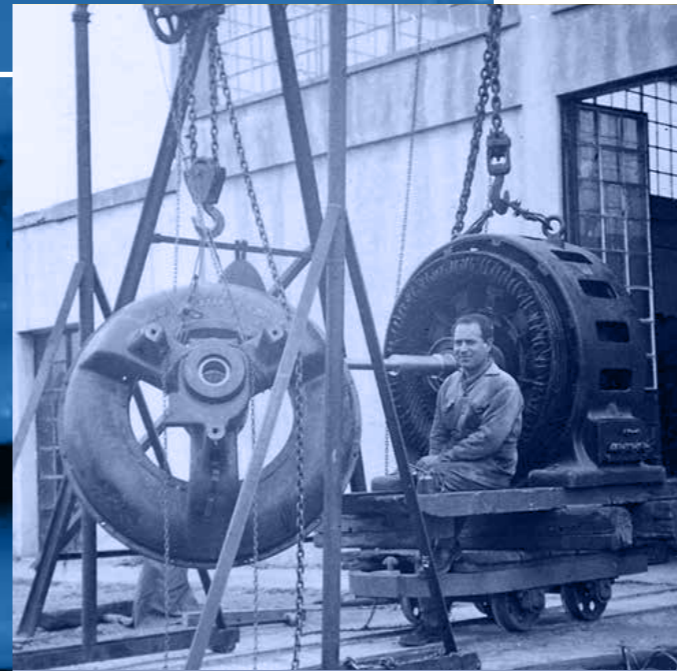


**VALIADIS**  
HELLENIC MOTORS

# A CENTURY OF REVOLUTIONS



## OVERVIEW

**Valiadis Hellenic Motors SA has been dedicated to designing and manufacturing electric motors for nearly a century.** It all started in 1927 when the Valiadis brothers founded the first electric motor manufacturing plant in Greece.

Today, our company stands as a leading full-service electric motor sales and repair provider, with main plant, warehouse and office facilities located in Athens, Greece, and a local branch in Thessaloniki. We take pride in being the foremost supplier of new medium and low voltage motors, boasting one of the largest inventories in the Balkan Region.

We provide a wide array of special performance options tailored to specific requests, including low noise, high-efficiency executions, special bearing constructions, increased protection and insulation classes, motors for intermittent duty, and special shaft or flange designs.

**At Valiadis SA, we offer comprehensive solutions tailored to your exact needs, going beyond mere electric motors. With a rich portfolio of partnerships with leading manufacturers, extensive trading networks, cutting-edge manufacturing capabilities, and expertise in customized motors, reverse engineering, repair, and maintenance, we stand as your trusted partner for end-to-end motor solutions. With us, you will find everything about motors, as we provide a one-stop solution for all your motor-related needs.**

Our commitment to innovation, reliability, and customer satisfaction distinguishes us, ensuring that every product and service we deliver exceeds expectations and drives success for your business.

With the pioneering role of our skilled staff, we are continuously investing in research and development, we aim to drive innovation in motor design, manufacturing processes, and smart technology integration. Our dedication to minimizing our environmental footprint underscores our commitment to sustainability, from enhancing motor energy efficiency to implementing eco-friendly practices across our operations.

**At Valiadis SA, we don't just provide electric motors; we deliver exceptional solutions that propel your business forward.**



# INNOVATION & EVOLUTION

## OUR PEOPLE

We place a strong emphasis on human resources (HR) improvement to foster a proficient and motivated workforce, drive innovation, and ensure long-term success.

- ✓ With Training and Development Programs tailored to enhance the skills, knowledge, and competencies of our employees at all levels.
- ✓ With technical training in motor design, manufacturing processes, maintenance skills, and quality control.

We regularly assess abilities and identify gaps to determine where additional training is needed. This ensures our employees have the knowledge and capabilities to keep up with industry changes.

## R&D

Research and Development (R&D) is at the heart of our company's growth and innovation. It drives our continuous improvement, enhances performance, and ensures we meet the needs of our customers and markets.

### We focus on:

- Creating advanced motor designs based on efficiency, power density and reliability.
- Using cutting-edge materials
- Employing innovative manufacturing methods
- Implementing fresh design approaches
- Modernizing and enhancing our facilities to support these projects

### Teaming up with technical universities to:

- ✓ Upgrade our motor testing infrastructure
- ✓ Stay at the forefront of testing technologies
- ✓ Ensure our products meet the highest standards of quality and performance

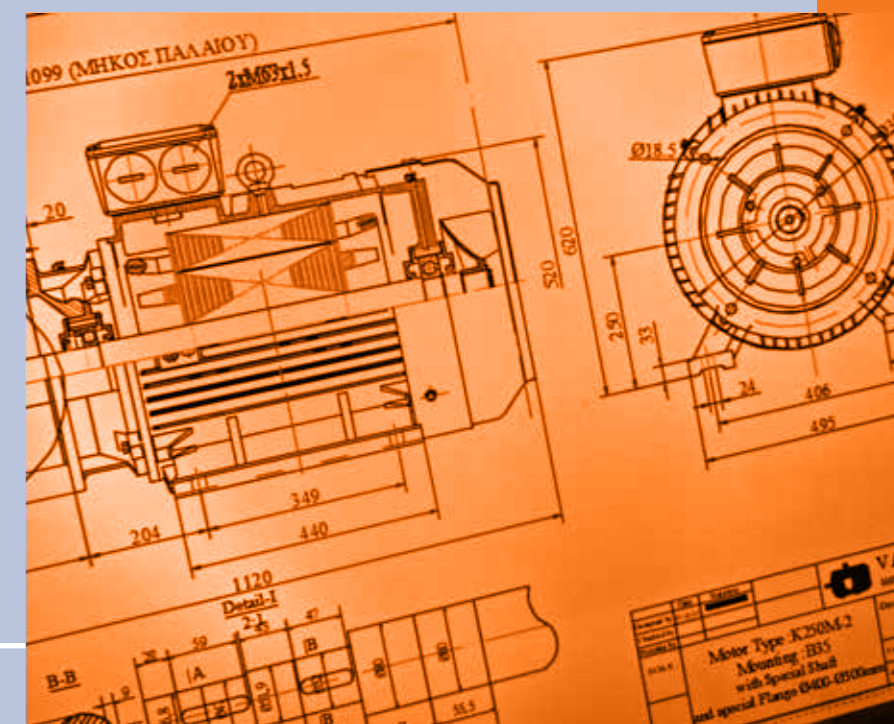


## SUSTAINABILITY

We are committed to adopting practices and technologies that minimize environmental impact, conserve resources, and promote social responsibility throughout the lifecycle of electric motors and their associated systems.

- ✓ Adherence to Environmental, Social, and Governance (ESG) standards
- ✓ Enhancement of energy efficiency in electric motors by manufacturing motors with higher efficiency ratings, such as IE4 (Super Premium Efficiency) and IE5 (Ultra-Premium Efficiency)
- ✓ Prioritization of sustainable materials and recycling processes
- ✓ Conducting lifecycle assessments (LCAs) of electric motors to identify opportunities for improvement and minimize environmental impacts throughout the entire lifecycle.

**At Valiadis SA, sustainability is at the core of everything we do.**



# FROM STANDARD TO SPECIAL POWERING EVERY POSSIBILITY

## OUR MOTOR RANGE

Our motors span a wide range of power ratings and offer various options in poles/speed and mounting solutions. We provide a selection of low voltage 1-phase and 3-phase aluminum, cast iron, high output, hollow shaft, open drip-proof, watertight IP-67, slip ring, and medium voltage motors.

**With the largest inventory in the Balkans region, we stock most types of motors, ready to meet all possible needs.**

### Design and construction:

- ➔ Single-phase electric motors
- ➔ Asynchronous, low and high voltage electric motors (squirrel cage and slip ring)
- ➔ Low and high voltage electric motors for the shipping industry
- ➔ Hollow shaft electric motors
- ➔ Direct current electric motors

**All products are available in various types covering a big range of power and voltage:**

- ➔ From 0.12KW to 6MW
- ➔ From 230 Volt to 11KV
- ➔ Designed for supply by grid or inverter
- ➔ Efficiency class IE1, IE2, IE3, IE4, IE5

**Our motor search engine features online stock documentation and extensive technical data.**

**VALIADIS**  
HELLENIC MOTORS

Home  
The Company  
Products  
Support / Repairs  
News  
Documents  
Contact

Motors search

Power (kw/hp):  
Show all available

Poles/Speed (RPM):  
Show all available

Mounting:  
Show all available

Family:  
Show all available

Show all available

Low Voltage 1-Phase Aluminium  
Low Voltage 3-Phase Aluminium  
Low Voltage 3-Phase Cast Iron  
Low Voltage 3-Phase Slip Ring

Type	Power		Poles	Speed RPM	Mounting	
	kw	hp				
AK56	0.06	0.08	4	1,305	B3	Low
AK56	0.06	0.08	4	1,305	B5	Low
AK56	0.06	0.08	4	1,305	B14A	Low
AK56	0.06	0.08	4	1,305	B14B	Low
AK56	0.06	0.08	4	1,305	B34A	Low
AK56	0.06	0.08	4	1,305	B34B	Low
AK56	0.06	0.08	4	1,305	B35	Low
AK56	0.09	0.12	2	2,700	B3	Low
AK56	0.09	0.12	2	2,700	B5	Low
AK56	0.09	0.12	2	2,700	B14A	Low
AK56	0.09	0.12	2	2,700	B14B	Low
AK56	0.09	0.12	2	2,700	B34A	Low
AK56	0.09	0.12	2	2,700	B34B	Low
AK56	0.09	0.12	2	2,700	B35	Low
AK56	0.09	0.12	4	1,300	B3	Low
AK56	0.09	0.12	4	1,300	B5	Low
AK56	0.09	0.12	4	1,300	B14A	Low
AK56	0.09	0.12	4	1,300	B14B	Low
AK56	0.09	0.12	4	1,300	B34A	Low

## CUSTOM MOTORS

**We specialize in designing and manufacturing custom electric motors tailored to meet the unique requirements of our clients and the diverse demands of the industry. From:**

- ✔ specialized motors for niche applications
- ✔ high-performance solutions for challenging environments

Our experienced team works closely with clients to understand their specific needs, offering personalized consultations and engineering support throughout the design process.

**With a focus on innovation and precision engineering, we ensure that every motor we deliver is a perfect fit for its intended application.**



# DRIVING

## ALL NEEDS

- **Industrial applications:** pumps, fans, crushers, mixers, agitators, conveyor belts, compressors, etc.
- **Oil and natural gas:** refineries, mines
- **High risk areas** (explosion/flame proof), designed and manufactured according to ATEX standards
- **Renewable power sources:** generators for hydroelectric projects and wind generators
- **Shipping Industry:** All electric motors for the shipping industry are designed and manufactured according to the standards of major certification bodies: Bureau Veritas (BV), Lloyd's Register of Shipping (LRS), Germanischer Lloyd (GL), Dersk Norske Veritas (DNV), etc.

## IP67 MOTORS

Climate change is no longer just a prediction; it's a stark reality, bringing about a host of challenges, including frequent and severe flooding events in vulnerable regions.

**Valiadis SA manufactures Watertight IP67 squirrel cage motors:**

- Compliant with IEC 34 and VDE 0530 standards
- Boasting capacities of up to 2000kW and 6600V
- Frame sizes reaching up to 500

Especially designed to survive temporary flooding. Once the water recedes, the motor can be promptly restarted, ensuring uninterrupted operation even in challenging conditions.

## BRAKE MOTORS

Brakes are indispensable components in numerous motor-driven systems, offering control and safety by enabling operators to initiate, halt, and regulate the speed of machinery as required. The selection of brakes depends on various factors, including application requirements, motor size and type, and desired braking performance.

Valiadis SA manufactures brake motors of various types in partnership with **Tempority SRL**, leader in the production of brakes for power transmission applications in both marine and industrial sectors.

## MARINE & OFFSHORE

Offering a comprehensive range of brand-new, type-approved motors meticulously designed to meet the rigorous demands of the marine industry.

With our team of skilled engineers and our state-of-the-art modification center in Athens, we have the capability to design and customize special motors to address unique requirements specific to the marine sector.

- Motors range from 0.12 kW to 900 kW.
- Optimal performance and reliability in maritime applications.
- Seamless replacements for virtually any motor onboard vessels of all types and sizes.
- Global network of partners spanning the leading ports across all five continents, serving the shipping industry worldwide.

**We have our own test bench and we accept all major classes for type-testing special motors, tailored for specific applications.**



## GEAR MOTORS

In collaboration with **Bonfiglioli**, Valiadis SA offers a full range of gearmotors, drive systems, planetary gearboxes, and inverters, capable of addressing the most complex demands in industrial automation, mobile machinery, and renewable energy.

## EXPLOSION - PROOF MOTORS

Our company maintains a strong Exclusive Partnership with **Euromotori**, a manufacturer of Explosion-proof Ex motors. Their production starts with the MAK series, and nowadays the range covers IIB and IIC gas groups, from T3 to T6 temperature classes, GAS II2G, and DUST II2D markings.

## INVERTERS

Valiadis SA has forged a longstanding Exclusive Partnership with **LSIS**, a renowned provider of power solutions, automation, and green technologies.

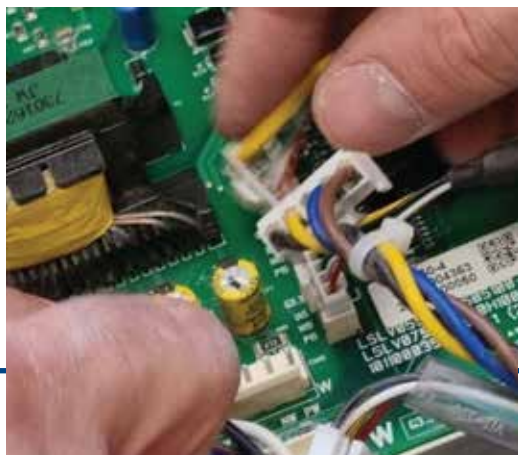
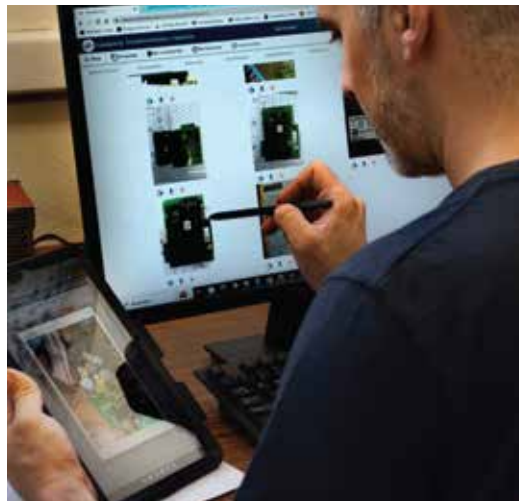
Valiadis SA proudly holds the title of Authorized Service Dealer with LSIS. Our equipment and repair facilities are approved by LSIS, and our team undergoes specialized training and certification from LSIS. We maintain a large stock of parts ready to perform any necessary replacements in the shortest possible time.

## SOFT STARTERS

Our company offers Soft Starters in Exclusive Partnership with the world's foremost expert in motor control, **AuCom**. Whether you need basic motor starting or advanced motor control and protection, AuCom provides soft starters and VFDs tailored to meet your specific needs.

- ➔ Low Voltage Soft Starters that set new standards for soft start technology.
- ➔ Medium Voltage Starter Solutions featuring a leading range of fully type-tested, arc-proof medium voltage panels.

Additionally, we provide state-of-the-art equipment and repair facilities for all AuCom products. Our specialized team undergoes AuCom's specialized training, ensuring expertise and reliability. Our inventory guarantees availability for all necessary replacements with AuCom equipment.



# AUTOMATED GEARED AND.. DIRECT

## DC MOTORS

Although the trend in recent decades has been to manufacture new machines with squirrel cage motors, servo motors, or permanent magnet (PM) motors, countless DC motors worldwide still need replacement. Our reverse engineering department has extensive experience in the design and manufacturing of DC motors with our KDC series. KDC motors are built with a robust design and durability, ensuring extended intervals between maintenance. These motors are known for their high torque, making them ideal for heavy-load applications and scenarios requiring rapid acceleration.

### Main Features of KDC Series:

- ➔ Frame Sizes: IEC frame sizes up to 710 or non-IEC in steel frame construction
- ➔ Power: Up to 2000 kW
- ➔ Torque: Up to 32,000 Nm
- ➔ Voltage: Up to 1000 V
- ➔ Mounting: IM – horizontal or vertical, foot or flange
- ➔ Protection: IP – 22, 55, 66
- ➔ Cooling: IC-06, 17, 37, 86W, 666, 410



# WE REPAIR WE RECREATE

## REPAIR, MAINTAIN & OVERHAULING

Regular diagnostic testing, preventive maintenance, and repairs are critical for all types of electric motors, regardless of voltage or type, including DC motors. Our ISO 9001 and ISO 14001 certified repair facilities are equipped with state-of-the-art technology. Highly qualified specialists are dedicated to ensuring the **optimal performance and longevity of your motors.**

- ✓ Latest digital technologies
- ✓ Comprehensive diagnostic tests and measurements
- ✓ Quick failure reports and tailored repair solutions
- ✓ High pressure cleaning
- ✓ Coolers and flanges inspection
- ✓ Stator and rotor rewinding
- ✓ Vacuum pressure impregnation (VPI)
- ✓ Up to 50% faster entry procedures and up to 70% quicker diagnosis procedures
- ✓ QR code inventory management
- ✓ Test bench for type testing all major motor classes

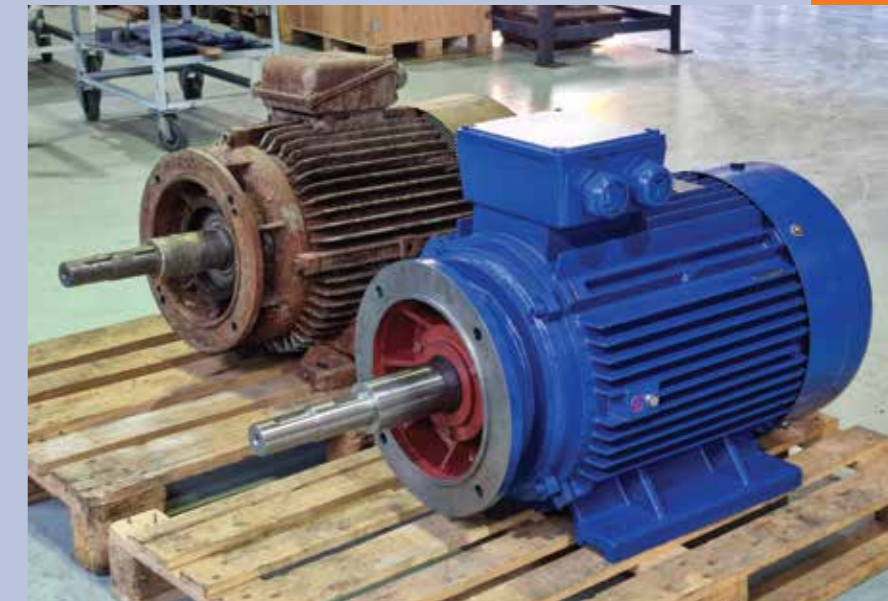


## REVERSE ENGINEERING

In many cases, our clients need an exact copy of an electric motor that's worn out, damaged, or beyond repair. Leveraging our expertise in reverse engineering, we meticulously analyze and deconstruct the original motor, comprehensively understanding its intricacies and functionalities down to the finest detail.

**Our focus is on precision and accuracy. We utilize advanced techniques and state-of-the-art technology to recreate the motor exactly as it was. This ensures that the new motor operates in the same manner, with identical load, torque, power, and dimensions as the original.**

Our unwavering commitment to excellence in reverse engineering ensures that our clients receive replicas that not only meet but exceed their expectations. We deliver replacements that seamlessly integrate into their existing systems. Whether it's restoring vintage machinery or modernizing outdated equipment, our reverse engineering services provide a reliable solution for any challenge.





Since 1927



Three manufacturing plants



The largest stock in the Balkans



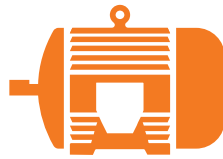
Global services

**ANYTIME**

**ANYWHERE**

We deliver to all major ports in Europe, Africa, the Middle East, Asia and Australia.





# VALIADIS

HELLENIC MOTORS

## Status in Motion

### HEADQUARTERS

18, Gr. Lambraki Str., 141 23 Likovrisi, Athens, Greece

+30 210 28 17 217

[info@valiadis.gr](mailto:info@valiadis.gr)

[www.valiadismotors.com](http://www.valiadismotors.com)

ATHENS | THESSALONIKI | BUCHAREST | PLOVDIV | CAIRO | DUBAI

