

The background of the image is a collection of various cable cross-sections, showing different internal structures such as twisted pairs, braided shields, and multiple conductors. The cables are shown in shades of gray and white, creating a technical and industrial feel.

**ELEIROTTEK KABEL**®  
**GROUP**

Elettrotek Kabel was founded in Italy at the end of 2001.

We are focused in offering electrical wire & cable for SPECIAL applications in several different sectors, Industrial Automation in particular.

Through the years, the company expanded and created a network of branches and subsidiaries that exports to over 45 different countries, all around the globe.

Elettrotek Kabel has warehouses in Italy, Switzerland, Germany, USA, Dubai and Abu Dhabi.

We are one of the first companies in the world that produces and distributes SPECIAL cables for use in the following industries: Industrial Automation, Iron & Steel, Mining, Port & Cranes, Marine and Oil & Gas.

This rapid expansion has been possible thanks to the competence of Elettrotek Kabel Group's management team and their constant focus on using only the highest quality products.

Elettrotek Kabel continues investing in the quality of our product lines and the customer care experience.

These elements have helped the company grow swiftly in a short period and have contributed in establishing Elettrotek Kabel's worldwide partnerships.

Roberto Gallingani  
General manager

**2001** Elettrotek Kabel Group was founded in 2001 in Bagnolo in Piano, Italy.

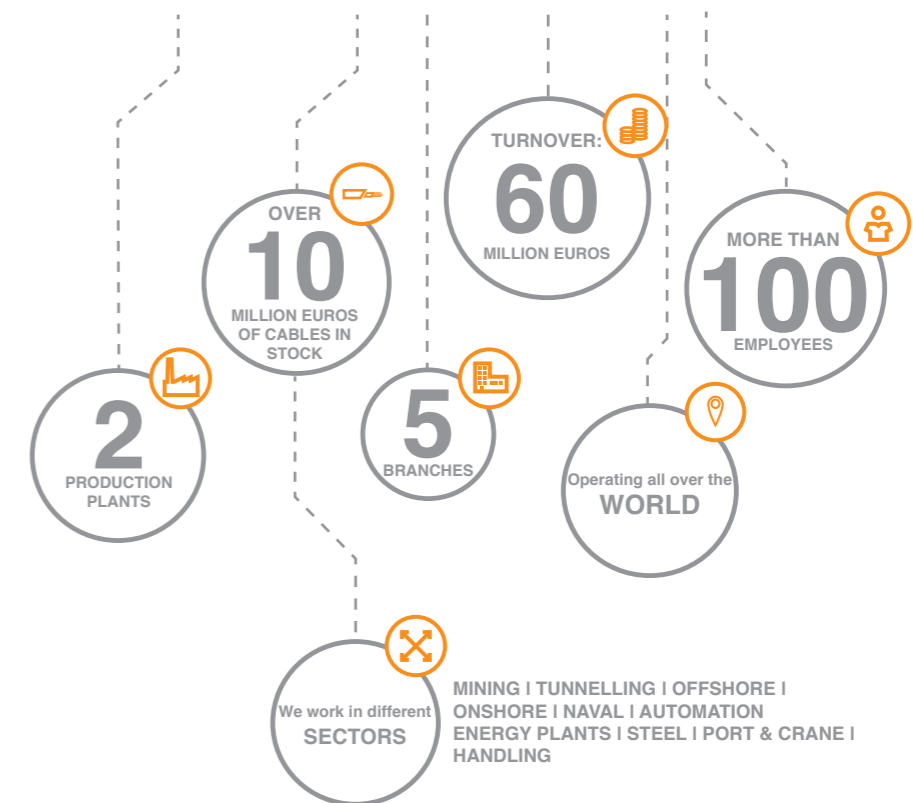
Elettrotek Kabel was initially founded from the desire to supply cables for the local market with the aim of expansion in the sector on a global level.

Expansion achieved through the opening of subsidiaries - in Switzerland, Germany and more recently in USA, Dubai and Abu Dhabi - has helped Elettrotek Kabel Group serving every corner of the world.

From this privileged position we are able to supply our products and make our technical service available, meeting the highest quality standards and focusing our attention on the different application sectors, such as Automation, Port & Cranes, Iron & Steel, Mining, Marine, Oil & Gas and Renewable Energies.

Thanks to a high level of knowledge derived from more than ten years of experience in supplying our clients with the best solutions, Elettrotek Kabel has already become a benchmark for the big corporations involved in the above mentioned sectors.

## ELETTROTEK BY NUMBERS





WHO  
WE ARE

Elettrotek Kabel has always focused its strengths on flexibility. Our aim is to offer a reliable quality service, trying to meet all requirements in the world of electrical cables.

Partner relationship with our customers, together with a good technical knowledge of the products we offer, are the crucial points of our business.

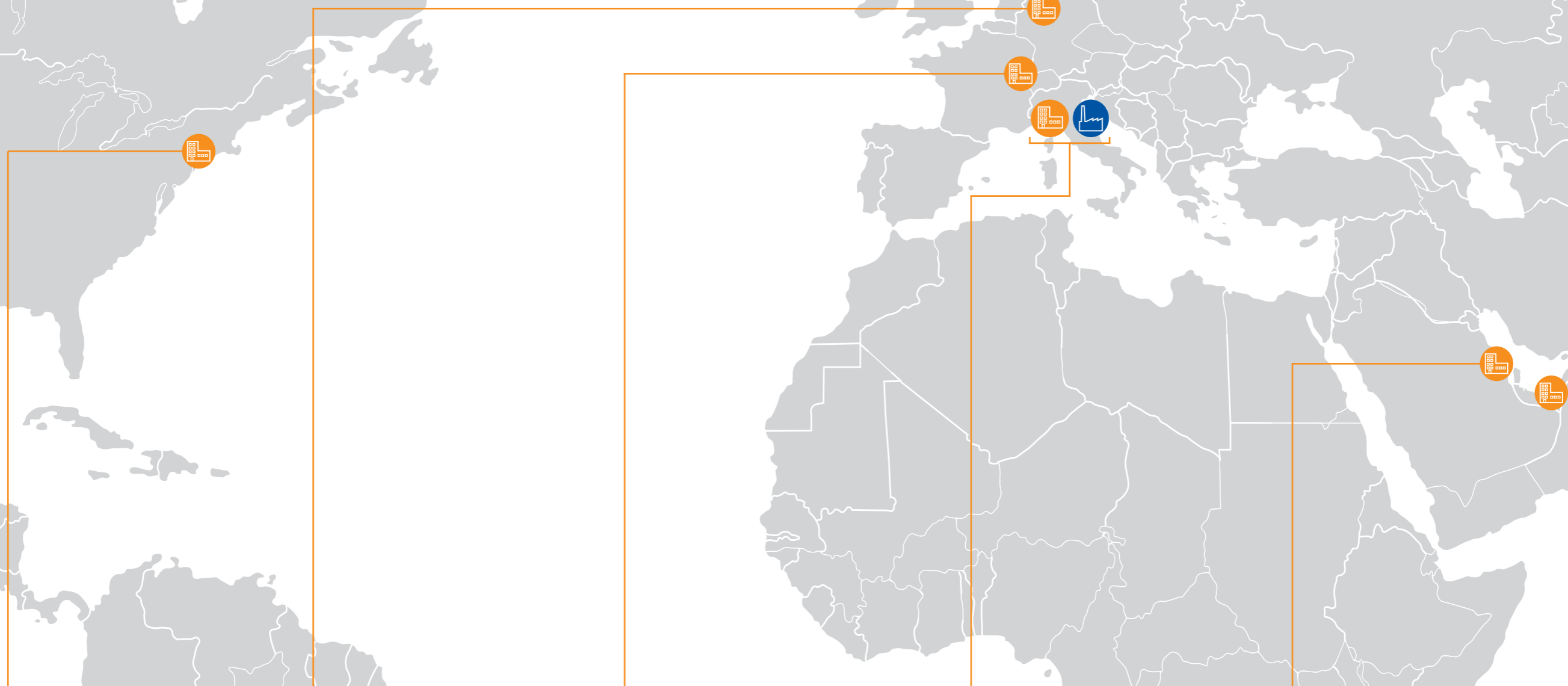
Our experience is at our customers' disposal in order to find solutions for different construction requirements in many fields and applications.

Longstanding customer relationships further demonstrate that our products and service are of top quality.

We are continuously looking forward to our customers' satisfaction. This, together with improvement of products and service quality, has brought Elettrotek Kabel to a steady growth over the years.



# WORLDWIDE PRESENCE



## **ELETTROTEKKABEL®** NORTH AMERICA

**ELETTROTEK KABEL NORTH AMERICA Inc.**  
2 Cranberry Road - Unit 5A  
Parsippany, NJ - 07054 - USA  
Phone: +1 973 265 0850  
Fax: +1 973 265 0854  
Email: [info@eletrotekkabel.us](mailto:info@eletrotekkabel.us)

## **ELETTROTEKKABEL®** GERMANY

**ELETTROTEK KABEL GmbH**  
Erik-Geiershoefer-Str. 7  
90584 Allersberg - Germany  
Phone: +49 (0) 9176 36 797 46  
Fax: +49 (0) 9176 36 797 47  
Email: [kontakt@eletrotekkabel.de](mailto:kontakt@eletrotekkabel.de)

## **ELETTROTEKKABEL®** SWISS

**ELETTROTEK KABEL SWISS GmbH**  
Industriestrasse 18  
8910 Affoltern am Albis - ZH - Switzerland  
Phone: +41 (0) 44 760 36 80  
Fax: +41 (0) 44 760 36 81  
Email: [contact@eletrotekkabel.ch](mailto:contact@eletrotekkabel.ch)

## **ELETTROTEKKABEL®**

**ELETTROTEK KABEL S.p.A.**  
**Headquarter and production plants**  
Via Imerio Tondelli, 10  
42011 Bagnolo in Piano - RE - Italy  
Phone: +39 0522 956 001  
Fax: +39 0522 953 655  
Email: [info@eletrotekkabel.com](mailto:info@eletrotekkabel.com)

## **ELETTROTEKKABEL®** ABU DHABI

**ELETTROTEK KABEL Middle East  
Electrical Equipment trading L.L.C.**  
Beside TRA Building, Al Salam Street, Abu Dhabi,  
United Arab Emirates, PO Box: 48238  
Phone: +971 2 67 999 19  
Fax: +971 2 67 999 29  
Email: [info@eletrotekkabel.ae](mailto:info@eletrotekkabel.ae)

## **ELETTROTEKKABEL®** MIDDLE EAST

**ELETTROTEK KABEL Middle East DMCC**  
Unit 602, JBC2, plot JLT-PH2-V1A, Cluster V,  
Jumeirah Lakes Towers, Dubai  
United Arab Emirates PO Box 337077  
Phone: +971 4 447 2551  
Fax: +971 4 447 3690  
Email: [info@eletrotekkabel.ae](mailto:info@eletrotekkabel.ae)

# THE BUSINESS UNITS:



We are able to manage the **complete production workflow:** from the copper rod to shielding, armoring and the outer sheath extrusion.  
**Production capacity:** 60.000 tons of copper per year.

Over **10 million €** of cables in stock, **50.000 Part Number** in our product range, **20.000 m<sup>2</sup>** of warehouses with **10.000 m<sup>2</sup>** covered surface area.





# GAALFLEX®

## Automation cables solutions

### **GAALFLEX® Control and Data Cables**

Different type of insulation and outer sheath (PVC / XLPE / TPE / PUR) for Oil Resistant and UV resistant cables.

Control cables, Tray cables and single core with UL/CSA and MTW normative.

Different type of screened, unscreened and armored cables also in Halogen Free versions.

GAALFLEX® VFD Motor cables 2YSLCYK-J, Halogen Free and UL/CSA version also in PUR outer sheath.

Cables for intrinsically safe circuits.

Data cables with twisted pairs and double screen version.

Spiral PUR cables on request with small MOQ and fast production.

### **Drag Chain and Robot Cables**

The combination TPE/PUR compound allows small diameters, high speed, wide temperature range and very good reliability.

Single core cables with UL/CSA standard available in stock up to 240 mmq also screened version.

Temperature range in mobile application from -40°C (-40°F) / +180°C (+356°F).

GAALFLEX® Servo cables according to Desina standard and Siemens approved.

On request servo harnessing according to the most important drive constructors.

PVC and PUR torsion cables up to +/- 450° / 0,5 mt with UL/CSA approval also in screened version.

### **BUS Cables**

Rigid and flexible cables for different values of impedance.

Different compound in inner and outer sheath (PVC / Rubber / PUR).

Drag chain version with Halogen Free compound and UL/CSA approval.



ATLAS COPCO

SWISSLOG

SCHNEIDER ELECTRIC

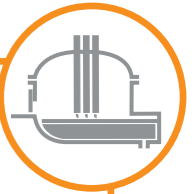
BOBST

ABB

SCM GROUP

CEFLA

Main References



# GAAL THERM®

## Steel industry cable solutions

### **Main installation:**

Handling scrap  
Festoon and crane movement  
Furnace and casting  
Rolling mill hot and cold  
Alluminium rolling mill

### **Power and Control Cables for fixed installation**

Low voltage cables GAALFLEX® VFD and its Halogen Free version for motor power supply.  
Medium voltage cables GAALFLEX® VFD MEDIUM and its Halogen Free version especially applied for motor connection.  
Different types of material for low voltage and medium voltage cables.  
Cables notch and abrasion resistant for heavy applications.  
Cables for extreme temperature in fixed installation -196°C (-320°F) / +1565°C (+2903°F) with heat resistant compound (GAAL THERM®).  
Cable suitable for chemical agents and acid solvent for different temperatures (ETFE / FPA / FEP).  
Cable for thermocouple with PVC compound or silicon compound.  
Water Cooled cables on request.  
Cable for induction furnace always available.

### **Cables for mobile application**

Different types of material, Rubber or PUR, for low voltage and medium voltage cables.  
Cables reel for horizontal and vertical application screened and unscreened with anti-twisting element.  
Temperature for reel application up to +90°C (+194°F).  
Extreme working temperature -40°C (-40°F) / +180°C (+356°F) for festoon system and drag chain.  
Every type of Bus Cables with Halogen Free compound for reel and festoon application.  
Combined cables with Fiber optic.  
Possible customized solution with reduced MOQ (100mt / 330Ft).



**GAAL THERM®**

DANIELI SMS GROUP TENOVA PRIMETALS SIEMENS ARCELORMITTAL

DUFERCO THYSSEN KRUPP JINDAL RIVA GROUP

Main References



## FLEXIDRUM® Crane cable solutions

### **Reeling Cables**

Different types of material, Rubber or PUR, for low voltage and medium voltage cables.

Horizontal and vertical application screened and unscreened.

On request UL/CSA approval.

Temperature for reel application up to +90°C (+194°F).

Possible customized solution with reduced MOQ (100 mt / 330 Ft).

Special cables for reel with control and optical fibers.

### **Festoon Cables**

Rubber and PUR material for round cables suitable for festoon application. PVC / PUR and rubber flat cables screened and unscreened with UL/CSA approval.

Extreme working temperature -40°C (-40°F) / +180°C (+356°F).

Lift and pendant cables.

### **Basket Cables**

Reinforced Rubber material for vertical application.

PUR version with inner supporting unit and lead elements.

### **Drag chain Cables**

Different types of material PVC / TPE / PUR.

Single core up to 400 mmq / 750 MCM.

Multipolar and single core cables screened and unscreened with UL/CSA approval.

High speed chain with small bending radius also for wide lengths.

Extreme working temperature -40°C (-40°F) / +180°C (+356°F).

### **Power Cables for fixed installation**

Low voltage cables GAALFLEX® VFD and its Halogen Free version for motor power supply.

Medium voltage cables GAALFLEX® VFD MEDIUM and its Halogen Free version especially applied for motor connection in crane basement.

Different types of material PVC / Rubber / XLPE / PUR for low voltage and medium voltage cables.

Multipolar and single core, screened and unscreened with UL/CSA approval.



**FLEXIDRUM®**





## FLEXIMINING®

### Mining & Tunneling cable solutions

#### **Power and Control Cables for fixed installation**

Low voltage cables GAALFLEX® VFD 2YSLCY-K and its Halogen Free version for motor power supply.

Medium voltage cables GAALFLEX® VFD MEDIUM and its Halogen Free version applied for motor connection.

Different types of material for low voltage and medium voltage cables suitable for Conveyor Belt.

FLEXIMINING® water proof cables for Dredging application.

Cold version possible for FLEXIMINING® application in low and medium voltage.

Reinforced cables with steel wire braid or steel tape armored.

Special version with GAALSHOCK® technology.

Medium voltage cable for the power of TBM / FLEXIMINING® MEDIUM (N)3GHSSYCY and Halogen free version.

#### **Cables for mobile application**

Different types of material, Rubber or PUR, for low voltage and medium voltage cables.

Cables notch and abrasion resistant for Tunneling Machines possible production of big sections in single long length cables with special Rubber insulation for Mining Excavator.

Low voltage and Medium voltage cables for Coal Cutting Machines.

Possible customized solution with reduced MOQ in PUR version MSHA, EAC (GOST) and WUG approvals on request.

**FLEXIMINING®**

TENOVA TAKRAF

THE ROBBINS GROUP

MARTI TUNNEL

VALE

STEMMANN-TECHNIK

AGJV

PORR

HERRENKNECHT

SIEMENS

STRABAG

Main References



## Industrial plants cable solutions

### **Main installation**

Steel Plants  
Refinery  
Petrochemical Plants  
Hydroelectric Plants  
Desalination Plants

### **Low voltage cables**

Control, Power and Laying cables up to 0,6/1 kV.  
Copper and Aluminum conductor, single and multi core.  
Unscreened, screened, double screened and armored cables.  
Normatives: Halogen Free, Fire Resistant, Flame Retardant, Self-extinguishing, Low Smoke emission and UV Resistant.  
Flexible class 5 laying cables, Rubber G7 insulation / PVC outer sheath, used by the major Plant Engineer.  
Rigid class 2 laying cables in PVC or XLPE insulation.  
Welding cables (H01N2-D) and H07BQ-F.  
On request lead covered cables.

### **Medium voltage cables**

Power cables voltage from 1,8/3 kV up to 132 kV.  
Copper and aluminum conductor, single and multi core.  
Different insulation materials (Rubber G7 or XLPE) and outer sheath materials (PVC or Halogen Free compound).  
Armoring in tape, braid or wire, steel or aluminum.  
New GAALSHOCK® technology for better mechanical protection and better impact performance, with lower diameter and weight.  
Flame Retardant normative.  
Other normatives (Halogen Free, Self-extinguishing) and Water Tight version.  
NSHXAFÖ cable short circuit proof.

### **Instrumentation cables**

PVC / PE and XLPE insulation cables, multi-cores and multi-pairs cables.  
Cables unscreened and screened (individual and overall screened, braid tape or wire, aluminum or copper).  
Versions wire or braid armored, steel or aluminum.  
Low smoke emission version, Halogen Free and Flame Retardant version.



**GAAL FLEX**®

TECHNIP

IMPREGILO

ANSALDO

SAIPEM/ENI GROUP

ABB

VEOLIA WATER

MAIRE TECNIMONT

SIEMENS

Main References



# GAALSHIP®

## Marine and Offshore cable solutions

### **Marine Cables**

Low voltage power, control and instrumentation cables for shipboard application.

Armoured / Unarmoured, Fire Resistant, EMC (Electro-Magnetic Compatibility) suitable for VFD application.

Fire Resistant and Water Spray Resistant (FR-WSR) cable for fixed installations aboard ships, screened against electromagnetic interferences, suitable for power, signal and telecommunication of safety-fire devices.

Medium voltage cables up to 30 kV.

Different Certification Authorities available:

(ABS / LR / RINA-RINAMIL / BV / DNV-GL / RMRS).

### **Offshore Cables**

Low voltage Power, Control and instrumentation cables suitable for Offshore installation.

Mud resistant offshore cables acc. to standards NEK 606.

Mud resistant offshore cables IEEE 1580 type P and UL 1309 / CSA 245 Type X110.

Mud resistant offshore cables acc. to standard BS 6883 and BS 7917.

### **Drilling Cables**

VFD, Power, Control and Instrumentation cables dual certified IEEE 1580 type P and UL 1309 / CSA 245 Type X110.

Customized Service Loop for Top Drive.

Bridle and Festoon Systems.

### **Submarine Cables**

On request cables for underwater connections.

Low and medium voltage copper or aluminium conductors and customized solutions with fiber optic elements.

Water tight materials and steel armor protections withstanding to high value of mechanical stress.

Special constructions for extreme water depths.



FINCANTIERI ROSETTI MARINO

DRYDOCKS WORLD

SAIPEM/ENI GROUP

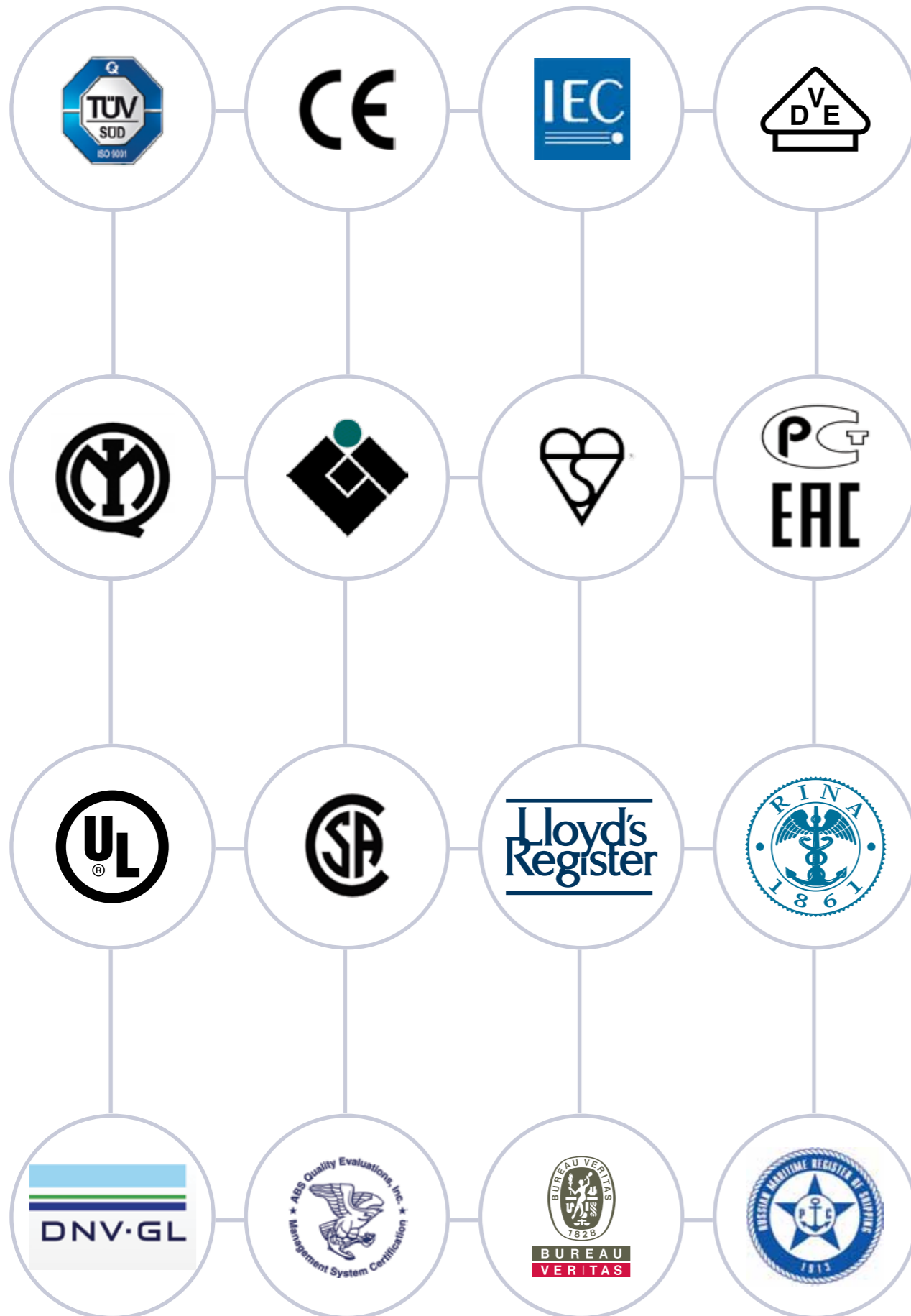
KEPPEL FELS

SONATRACH

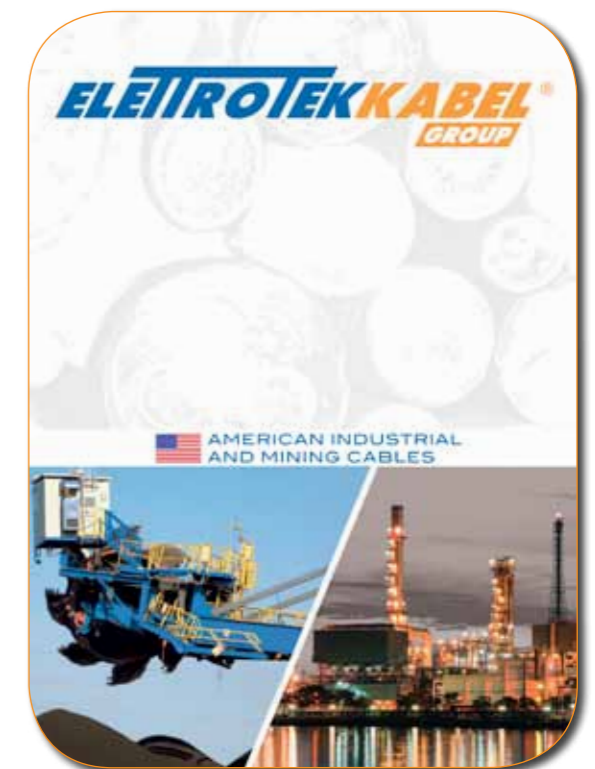
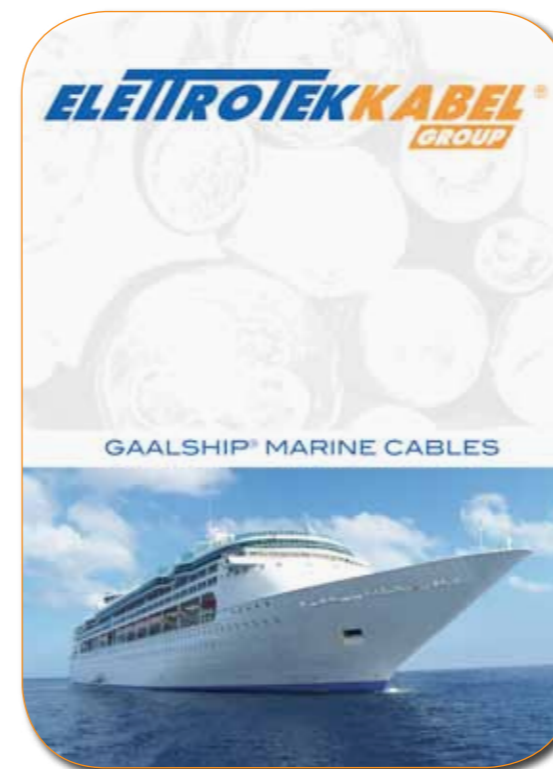
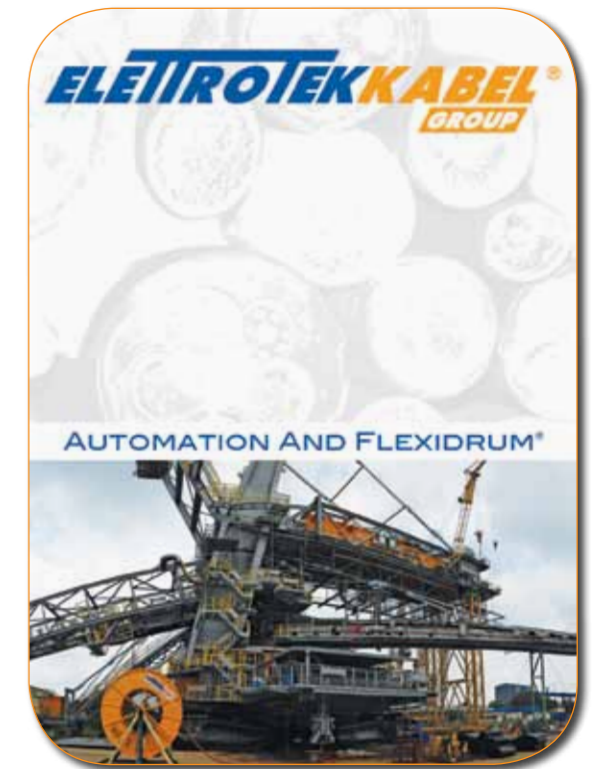
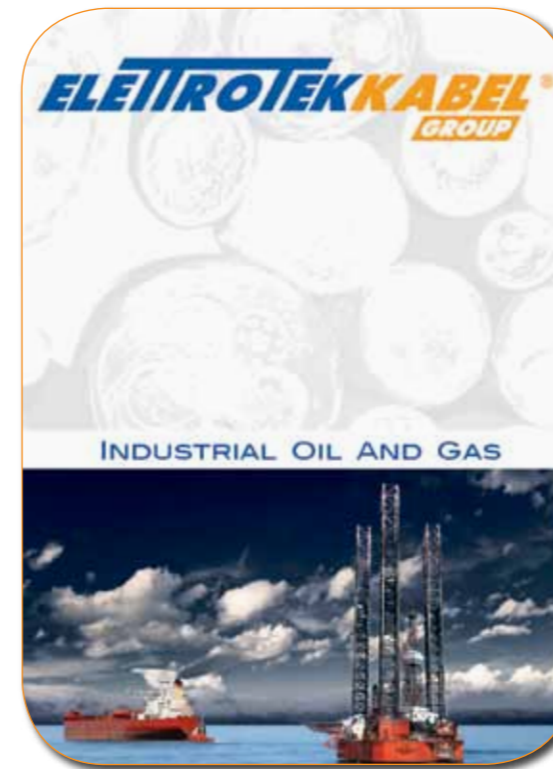
QATAR GAS

Main References

# APPROVALS



## Our catalogues



**Elettrotek Kabel Group**  
[www.elettrotekkabel.com](http://www.elettrotekkabel.com) [info@elettrotekkabel.com](mailto:info@elettrotekkabel.com)

 English version