

# IRRIGATION

Raya Valley, Ethiopia, Ministry of Sugar

- × Supplying of
  - × 16 Vertical Turbine Pumps 18”
  - × Duty point: 815 m<sup>3</sup>/h @125 m 400 kW 400 V 50 Hz
  - × Relatives control pannels, pipes & fittings
  
- × **Purpose:** irrigation of 3500 hectares of sugar cane field. SAER’s personel went regularly on the field for the study of the project.
  
- × **Time of realization of the project:** 5 months including the the study of the pump and its realization from zero



# WATER TREATMENT

Iraq

- × Supplying of
  - × 6 units of multistage split casing electric pumps SKDZ 4p 250-630 A/2
  - × Duty point: 1000 m<sup>3</sup>/h @ 280 m
  - × ABB motor 1200 kW 6,6 kV
  - × Hydraulic efficiency 84%.
  - × Impellers in Stainless Steel Aisi 316
  - × **Purpose:** water supply work in Iraq
  - × **Time of realization of the project:** 6 months including the the study of the pump and its realization from zero



# WATER TREATMENT

## Supplying of pumps in Masha'er Pump Stations at Holy Mekkah- Saudi Arabia

- ✘ Pumping potable water from lower tank to other tank.
- ✘ 3 units split casing pumps SKDZ 4P 150-400AB -B- 100 380/660/60 1750 RPM
- ✘ 2 units split casing pumps SKDZ 4P 125-335 AB -B- 75 380/660/60 1750 RPM





# WATER TREATMENT

Baku Municipality, Azerbaijan

- ✘ 20 pcs of 10" and 12" submersible pumps fully stainless steel 316 precision casted, XS series from 110 kW up 135 kW (first part of the project).
- ✘ The pumps supply water at the city of Baku.



SAER PUMPS  
SHAPING WATER

Water has to be treated according to its final use. Thanks to the wide range of materials and configurations, SAER pumps can deliver water for drinking purposes, industry, HVAC, power generation, municipalities, I.C. and many other requirements, optimizing performance and energy consumption. **SAER pumps shape water for all your needs.**

Italy, UAE, Saudi Arabia, Egypt, Azerbaijan, Mexico, Tunisia, Libya, South Africa, Russia, Kazakhstan, Kazakhstan, Norway, Germany, Spain, Serbia, Costa Rica, Mexico, Chile, Thailand, Vietnam, etc. SAER pumps and motors have been selected from water authorities and municipalities, companies and consultants all over the world.

MADE IN ITALY



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ELETTROPOMPE

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# WATER TREATMENT



Baghdad Governorate – Baghdad Sewage Directorate

- × Project: Al-Mahmoodia, Al-Madain
- × Supply over 50 end suction pumps NCBKZ up to 150 HP 4 and 6 poles
  
- × Project: Al-Madain
- × Supply end suction pumps 18 NCBKZ up to 150 HP 4 and 6 poles

**SAER**<sup>®</sup>  
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# WATER TREATMENT



Jelesnodorojny aqueduct, Russia

- × 4 split casing pumps SKDZ 125-335A-G- 270 complete with motor 270 kW.
- × The pumps are installed in Jelesnodorojny, are used to pump hot water (80°).

**SAER**<sup>®</sup>  
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# WATER TREATMENT



Haskovo , Bulgaria

- × 2 SKDZ 4p 250-560A 430 HP
- × 1 SKD 250-560A .
- × Reconstruction of water supply system Yabalkovo .

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# WATER TREATMENT



## Austria

- ✘ Monoblock pumps in stainless steel 316 precision casted IRX SERIES
- ✘ IRX 50-160NB-AQ-HP10 V400/50 IE2 FDA 26 pcs
- ✘ IRX65-160B-AQ-HP15 400/690/50IE2 FDA 4 pcs
- ✘ IRX65-160B-AQ-HP15 400/690/50IE2F DA 4 pcs
- ✘ Pumps are being used to pump oil for food purposes



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**ELETTROPOMPE**



# FIRE FIGHTING

Portable unit on a lorry for fire fighting prevention in a port in Spain

- ✘ SKD 125-335 A coupled with diesel motor MWM 250 Kw 3000
- ✘ Duty point: from 2000 up to 2900 rpm, 240 m<sup>3</sup>/h @ 120 m



**SAER**<sup>®</sup>  
**ELETTROPOMPE**

# INDUSTRIAL



## Power Station , Kazakhstan

- × 3000 m<sup>3</sup>/h @ 30 m, split casing pumps SKDZ 6P 500-550AB - G- KW 315 HP 430 V400 50 HZ (motor for inverter use); installed in a Power Station in Kazakhstan. It's the network pump in the hot water supply system. The pumped water temperature is up to +90 C.

**SAER**<sup>®</sup>  
**ELETTROPOMPE**

# INDUSTRIAL



## OEM

- ✘ Over 20 units of high pressure TMB pumps for mobile test units of pressure. The pumps are used for conducting hydraulic tests on pipes to check strength and leakage.

**SAER**<sup>®</sup>  
**ELETTROPOMPE**



# INDUSTRIAL



Galicia, Spain since 1998

- × 25 monoblock pumps IR working 24/h per day in a factory for PVC production.
- × The pumps haven't given any problem so far



**SAER**<sup>®</sup>  
**ELETTROPOMPE**

# INDUSTRIAL



## Tunnel Paris -Strasbourg

- × TGV line 4km
- × Booster set with 3 vertical pumps TB 3 CWM 201 B/ 3
- × Pumps are being used to cooling the drilling machine oil circuit



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**ELETTROPOMPE**

# MINING

## Coal mine , Koln- Germany

- × SAER submersible pumps from 8” up to 12” work to drain water from the mine
- × First part of the project: 14 pumps and motors up to 180 HP installed



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# MINING

Through SAER ANDINA

- × SAER end suction NCB series for Secondary circuit pumps and cooling tower filtration
- × One of the largest underground mine in the world, for copper extraction.



**SAER**<sup>®</sup>  
**ELETTROPOMPE**

# MINING

## Mine in the Pilbara Region , Australia

- × 2 submersible bronze pumps
- × SB 302 B/4A 220 kW
- × Pumps are being used to draw water out of the ocean and fill tanks that feed a desalination plant. The plant has a max daily output of 4.5 Mega litres of product water.



**SAER**<sup>®</sup>  
**ELETTROPOMPE**

# MINING

Christmas Creek iron mine and Cloudbreak iron Mines, Australia

- × 34 units of 6" XS series submersible pumps  
SS 316 precision casting from 17 to 50 HP
- × 60 units of 8" XS series submersible pumps  
SS 316 precision casting from 35 to 90 HP



**SAER**<sup>®</sup>  
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# MINING

## Coal mining in Tuzla , Bosnia Herzegovina

- × Submersible pump which are installed in Coal mining in Tuzla: pumps are installed in 2009 and they are submeresed approx. 200-300m, pumps from 15 up to 30 kW
- × XS 151 pcs. 7
- × XNR 201 pcs. 14
- × XS 152- pcs.2



# MINING

## Uranium mines, Kazakistan

- ✘ SAER submersible pumps 10"-12" in AISI 316

## Copper mines, Ekaterininburg, Russia

- ✘ XS 253 A/5 A and XSP 252 A/5



# MINING

## Mining in Minas Gerais, Brasil

- × SAER supplied end suction centrifugal pumps model end suction NCB in cast iron with bronze impeller and 8" submersible pumps in cast iron with bronze impeller
- × The pumps were used to extract the water from the open pit carbon mine



**SAER PUMPS**  
MINING RESISTANT

SAER mining industry pumps are built for extended operation in the toughest environments. They are suitable for underground dewatering, water treatment, dust suppression, processing, water transfer, discharge, and are constructed from corrosion resistant Duplex or AISI 316 Stainless Steel or Bronze Marine as appropriate – and all styles can be customized to suit your exact application. **SAER pumps are not afraid of rocks, mine debris or debris from pits and wells.**

SAER pumps and motors have been chosen for the most important mining in Australia, Peru, Chile, Brazil, Russia and Kazakhstan, Kazakhstan, South Africa, Congo, Zambia, Canada.

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# OFF SHORE

- × **PETROFAC MALAYSIA - DESARU**
- × Sea Water Lift Pump - 2 X SB350A/4 200HP Pumpset
- × **NEWFIELD OFFSHORE KEMAMAN**
- × Sea Water Lift Pump - 1 X MSXD201 60HP Motor
- × **TALISMAN ENERGY OFFSHORE**
- × Sea Water Lift Pump - 1 X MSX201 60HP Motor



# OFF SHORE



- ✘ Off Shore platform where SAER has successfully supplied different units of 10" S 252B/5A-B 150 Hp submersible pumps, installed in cooling shells. The pumps are used to pump the sea water in the yard in order to cool the generators.

**SAER**<sup>®</sup>  
**ELETTROPOMPE**

# OFF SHORE

Valencia port, Spain

- × SAER supplied submersible pump in S.S. 316, transformed in vertical turbine pump used as jockey in a fire fighting system





# OFF SHORE



- ✘ SAER through his Norway partner has supplied submersible pump in SS 316 precision casting 6XS 253A/4A on a Rig called "Ocean Vanguard". The system had to achieve as big as possible water buffer against the flame tower.  
The pumps achieved a diameter on 30-40 m  
On this test the spray nozzle is placed approx. 2,5 m above the pier so you see more or less only the upper part of the water circle. We got 292m<sup>3</sup>/h @ 17bar. (approx. 1700-2000° C in the flame itself, and there are 30-35 ° C On the Rig side of the water)

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# OFF SHORE



- × 8" semi-axial 6XSP 181-D/2A pumps. Speed is 3600rpm. The pump is connected on a “Dredger” (big pipe under the pump) this dredger is used to clean up Equipment offshore. The pump are suction water from the area around the pump and are pumping it through the dredger.

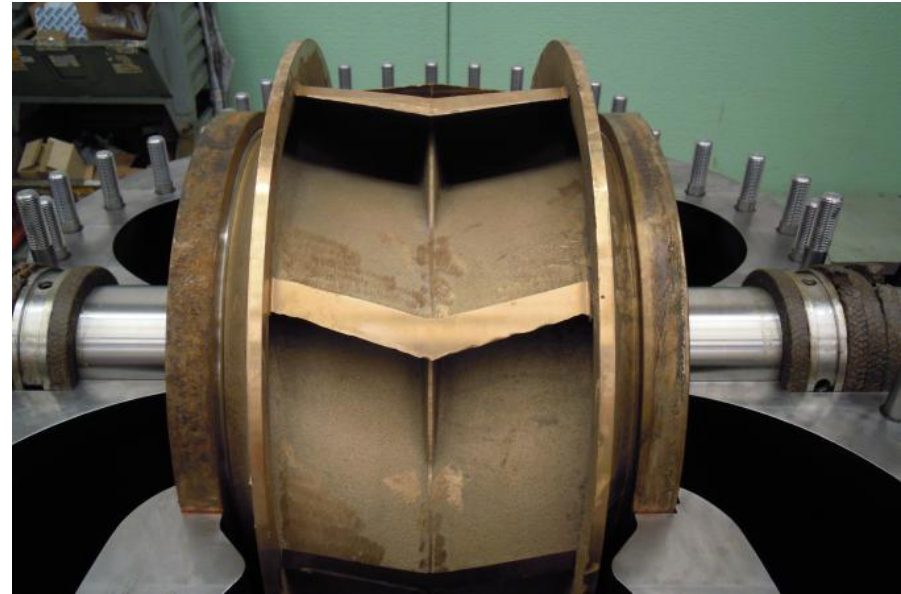
The dredger will then function like a Ejector as soon as is pumped water with high pressure through the dredger : will be created a vacuum on the other side and you will beable to pump up sand, mud, and liquid with lot of particles without pumping this trough the pump itself.

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**ELETTROPOMPE**

# OTHER REFERENCES

Netherland

- × 2 split casing SKD 200-630 with bronze impeller for a fire fighting plant in Holland



**SAER** PUMPS  
MOTORS  
**BENELUX**



# OTHER REFERENCES

## Belgium

- × Saer Benelux is supplier of one of the most important DIY shop in Belgium



# OTHER REFERENCES

## Netherland

- × Submersible pump in cast iron S-151-B/12 from 35 HP for sprinklers reach up to a very unique 50mtr distance in the soccer field in St Hertogenbosch.




**SAER** PUMPS  
MOTORS  
**BENELUX**

# OTHER REFERENCES

Active since more than 30 years in North Africa, supplied many authorities like **ALGERIA:** (ADE= Algérienne Des Eaux)

- ADE BISKRA
- ADE BATNA
- ADE BEJAIA
- ADE CHLEF
- ADE GUELMA
- ADE MILA
- ADE M'SILA
- ADE TLEMCENE
- ADE OUARGLA
- ADE RELIZANE
- ADE SOUK AHRAS



Companies for water treatment (ONA) as:  
ONID BISKRA, ONID OURGLA, ONID EL TARF



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Water has to be treated according to its final use. Thanks to the wide range of materials and configurations, SAER pumps can deliver water for drinking purposes, industry, HVAC, power generation, municipalities, etc. and many other applications, optimizing performance and energy consumption.  
**SAER pumps shape water for all your needs.**

Italy, UAE, South Africa, Egypt, Algeria, Mexico, Turkey, Spain, South Africa, Brazil, Kazakhstan, Azerbaijan, Norway, Germany, Spain, Serbia, Costa Rica, Morocco, Chile, Pakistan, Vietnam, etc. SAER pumps and motors have been installed from water distribution and wastewater, irrigation and construction all over the world.



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# OTHER REFERENCES

EGYPT : a team of engineers available 24h/day for installations

- × Aircraft Factory (Helwan)
- × Pepsi Cola Co.
- × Ceramics Cleopatra (10<sup>th</sup> of Ramadan Factory)
- × Diplomat Farms (DOFAD)
- × Project (Ministry of Agriculture)
- × Dakahlia Group
- × El Enmaa (El Farafra)



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# OTHER REFERENCES

U.A.E The following is a list of major jobs that SAER Middle East has completed:

- × Dubai Trident Grand Residence
- × Al Tajir Glass Factory
- × Arabian Mix Edible Oil Factory – Jebel Ali
- × B.A.S.F Chemical Factory
- × Al Naboodha Labour Camp
- × G + 5 Residential Building at Al Rigga Street (for Buset Contracting)



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# OTHER REFERENCES

- × Indigo Icon Tower – Jumeirah Lake Towers
- × T2 – Jumeirah Lake Towers
- × F2 – Jumeirah Lake Towers

## Abudhabi Abu Dhabi

- × Golf Club T
- × RANSGULF ReadyMix Concrete Company

## Sharjah

- × CONMIX Cement Factory
- × Cosmoplast Industries





# OTHER REFERENCES

- × Residential & Commercial Building

## Dibba

- × Al Ain Club
- × Masafi Sports Club

## Northern Emirates

- × Umm Al Quwain Cement Factory
- × Ras Al Khaimah Cement Factory
- × Fujairah Cement Factory



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# OTHER REFERENCES

## Spain

- ✘ Municipalities (Madrid, Marbella, Granada, Almeria, Sevilla)
- ✘ Buildings (some of them: Facultad de Ciencias de Granada, University of Huelva, hotels in Granada, Volkswagen Granada, Instituto Oceanográfico de Cantabria, Base aérea de Morón, Ikeas Jerez, Hospitals and malls etc.)



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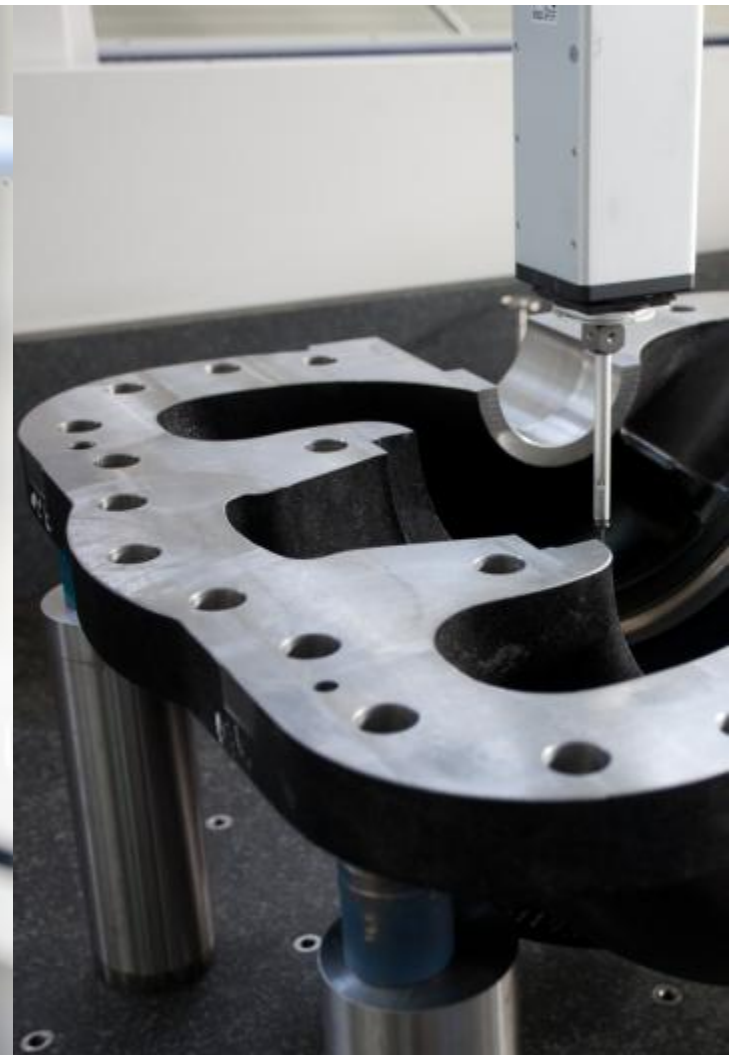
# QUALITY OFFICIALLY RECOGNIZED

- × On October an article on the most important italian economic newspaper, celebrated SAER strategy and quality





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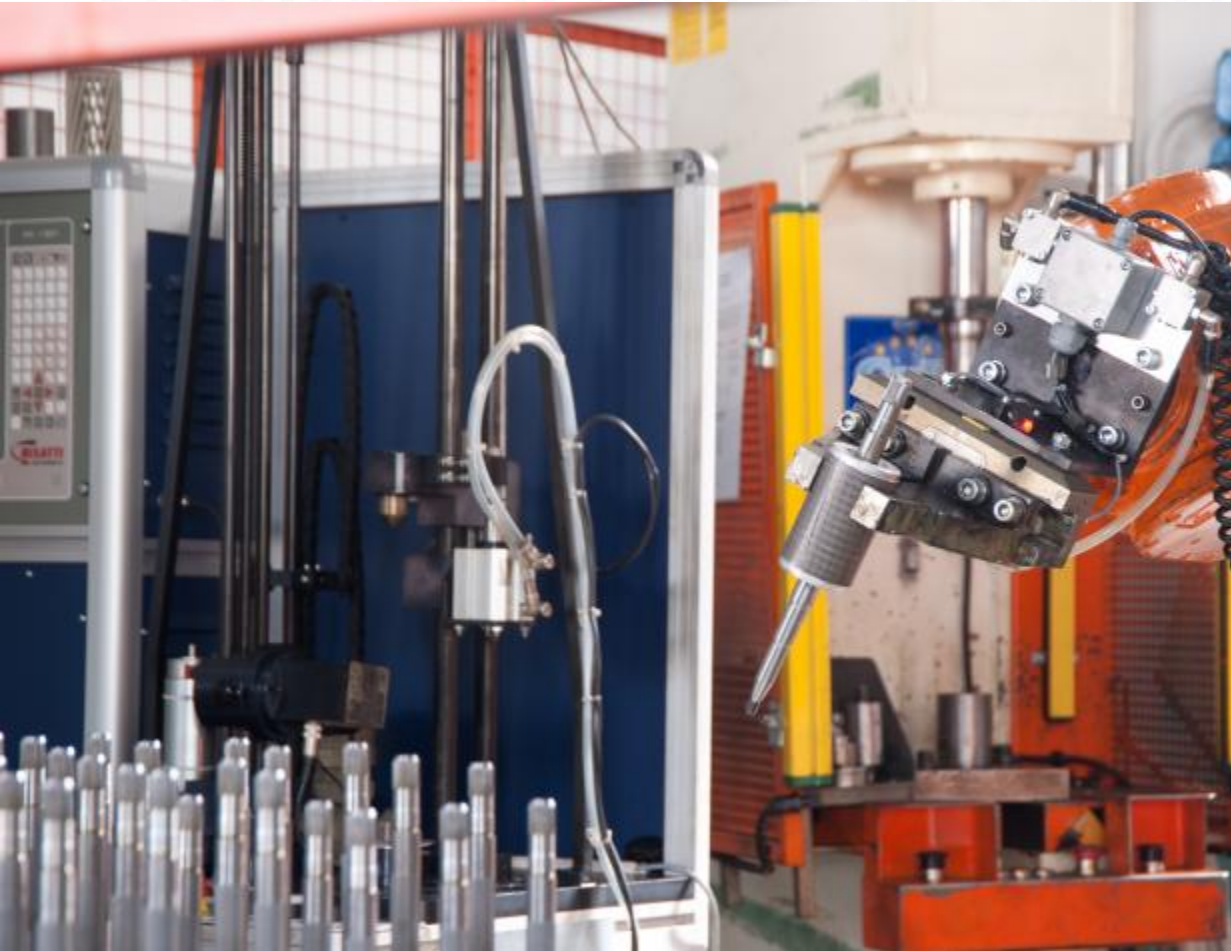
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# TO THE END



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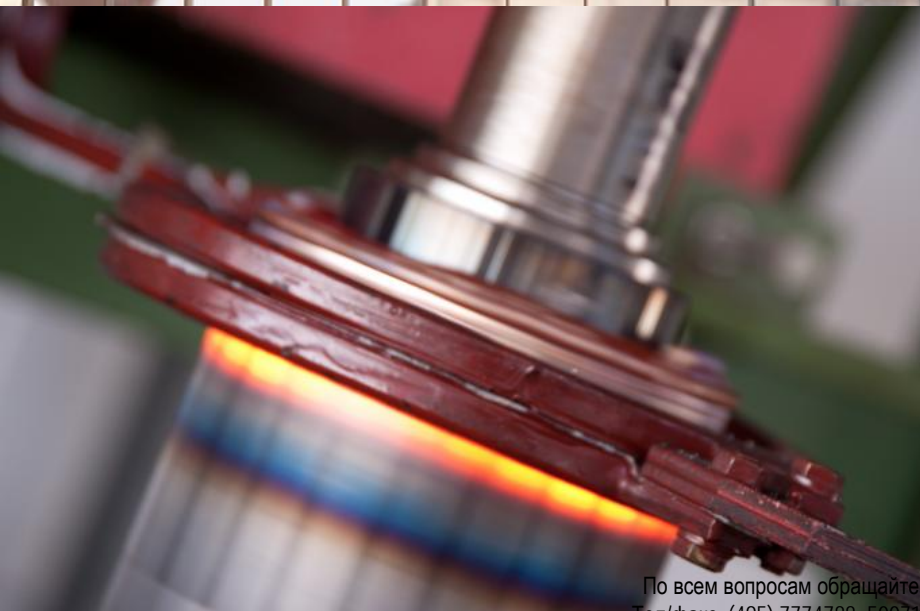
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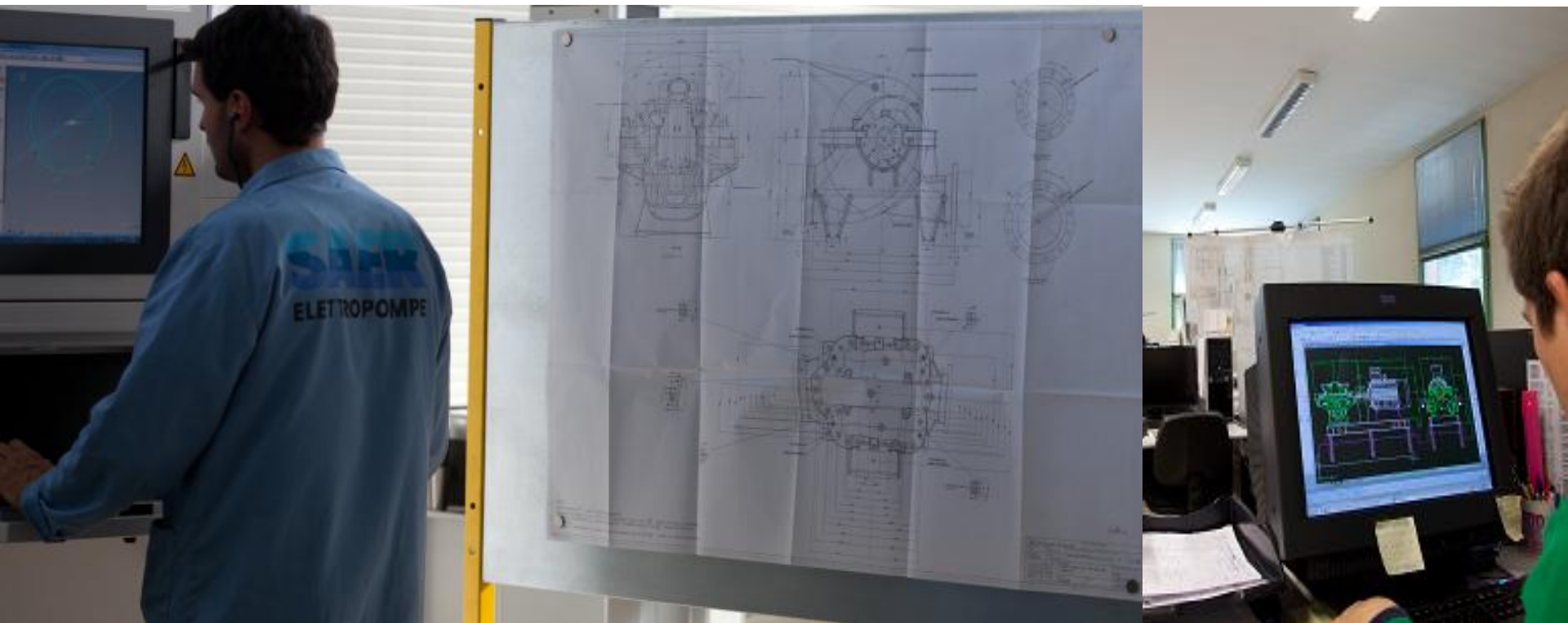
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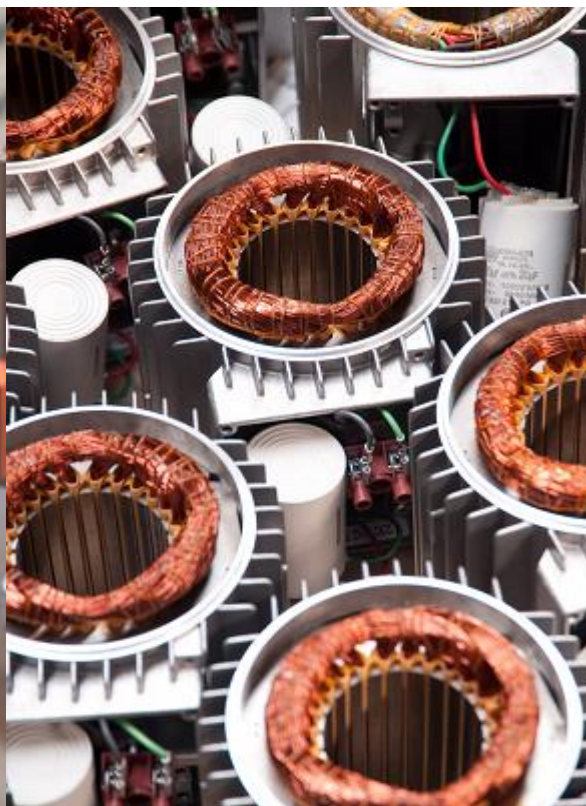
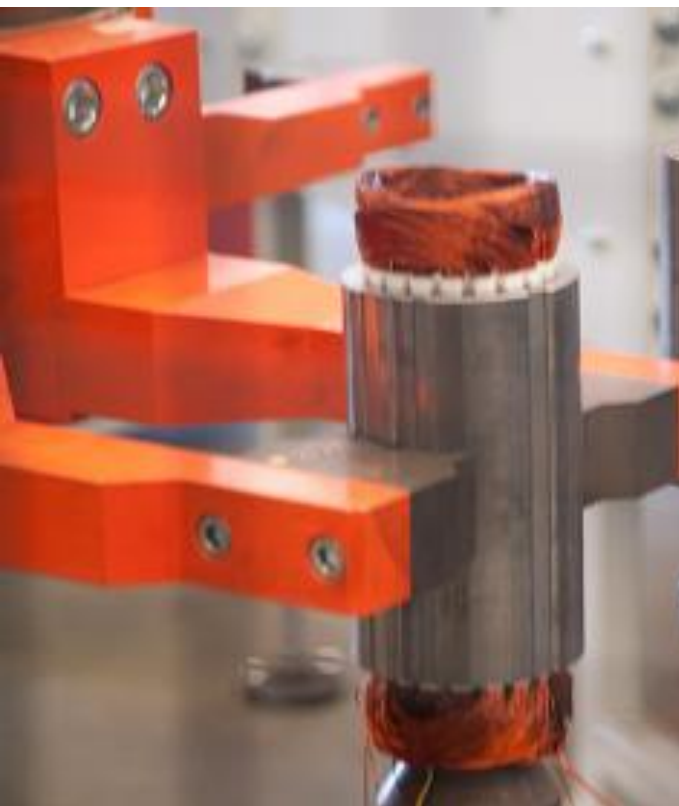
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Эл. почта: [info@tisys.ru](mailto:info@tisys.ru) Интернет: [www.tisys.ru](http://www.tisys.ru) [www.tisys.kz](http://www.tisys.kz) [www.tisys.by](http://www.tisys.by) [www.tesec.ru](http://www.tesec.ru)



# MOTOR WINDING PLANT



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