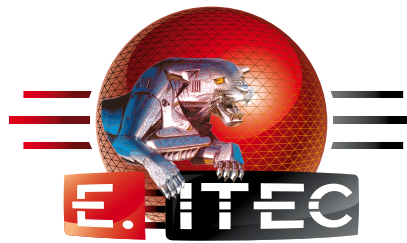




Engineering. Industry, Transport of Energy, Connections

MASTERING HIGH CURRENTS



INCORPORATED IN 2000
IN THE AREA OF SAINT ETIENNE,
E.ITEC® SPECIALIZES IN
THE DESIGN AND MANUFACTURING
OF ELECTRICAL POWER TRANSPORT
SYSTEMS, ALL OVER THE WORLD.

E.ITEC® capitalizes on the key ideas of its founders,
based on 20 years of common experience in this
field, **which is the synergy between :**

- PROFESSIONAL QUALITIES :
SKILLS, INNOVATION, SERVICE
- EFFICIENCY: SELF-DISCIPLINE, ORGANISATION,
CLEAR AND FAST DECISION-MAKING
- PLEASURE : CONVIVIALITY, PLEASANT
ATMOSPHERE, RESPECT FOR PRIVATE LIFE

These principles have been recorded in a charter,
which allows to compare the settled objectives
and the actual results every year.
SME with international scope, **E.ITEC®** is leading a
group including several subsidiaries for sales repair
or installation in France and abroad.

This is reached by extending the existing product
ranges, by training the staff, and by emphasizing
research and development in a strategy of new
markets

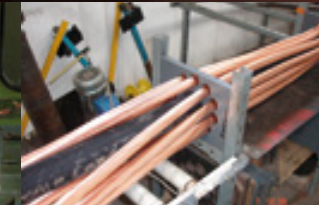
Faithful to its values, **E.ITEC®** watches to place
the human being in the center of its interpersonal
skills with all his interlocutors as well as in the
environmental protection by an approach of
eco-conception.



KNOW-HOW AND MEANS OF PRODUCTION

MACHINING

Milling, turning...



WELDING

MIG, TIG,...
copper, aluminium, stainless steel



BRAZING

TIN BRAZING AND SILVER BRAZING
High temperature (silver), low
temperature (eutectic), tin...



ELECTRICAL INSULATION

Protection of conductors, design
and production of special
insulating material



ELECTRICAL CONTACTS

Surface treatments (silvering, tin
plating), tightening, galvanic
couple...



COPPER AND ALUMINIUM PROCESSING

CUTTING, BENDING, PUNCHING



CABLING

Assembly of multi-ropes large
section cables

MANUFACTURING

Copper or aluminium braids,
laminated bars, special connections

DESIGN

Electrical power connections.
Design with 3D CAD, calculations
and modelling tests...

RESINE ENCAPSULATION

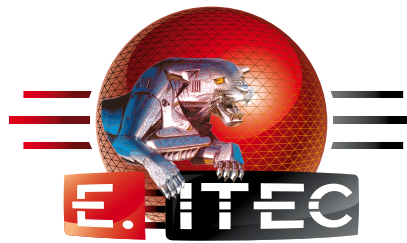
Manufacturing of LV/HV busbars

QUALITY

Self-certified system
of quality assurance

R&D

Research and development
of new product lines, tests,
calculations and simulations by
specialized software (flux).

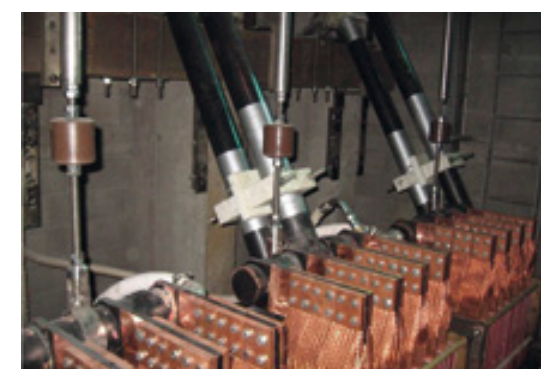


ARC.ITEC™ RANGE

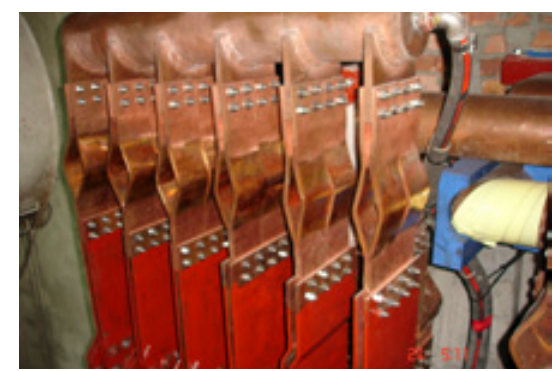
POWER SUPPLY
CIRCUIT FOR
INDUSTRIAL
FURNACES

AC/DC ELECTRICAL ARC FURNACES

- > STANDARDIZED CONCEPTS
 - Flexibles on transformer
 - Transformer secondary tubes
 - Water-cooled cables
 - Electrode arms
 - Contact pads and electrode clamps
 - Insulating parts
 - Support system
- HV Busduct on primary transformer



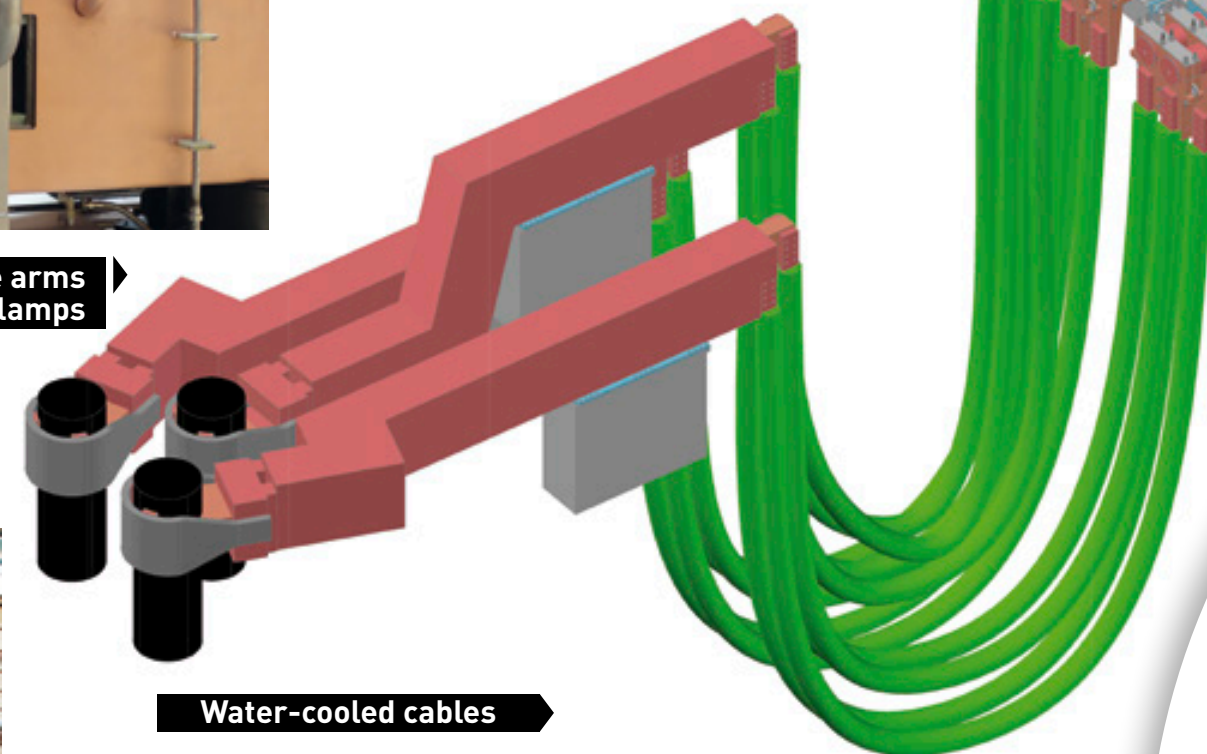
Transformer secondary
Delta closure and flexible



Water-cooled tubes



Electrode arms
Electrode clamps



Water-cooled cables

OTHER ELECTRIC FURNACES

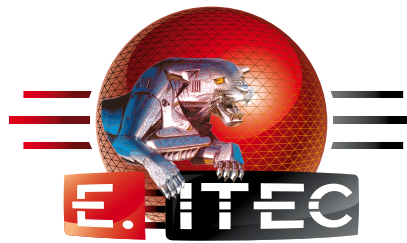
INDUCTION, GRAPHITIZATION,
ELECTROMETALLURGY, PLASMA

- > STANDARD PRODUCTS
 - Water-cooled cables
- > SPECIFIC CONSTRUCTIONS
 - Manufacturing after studies and optimization according to the process's needs

Electrometallurgy



All our ranges are
detailed on our product
sheets which are
available on request



ARC.ITEC™ RANGE

POWER SUPPLY
CIRCUIT FOR
INDUSTRIAL
FURNACES

SERVICES

> ENGINEERING

- Analysis of existing system and proposal of solutions in order to extend the life of cables or improve the electrical performance of the furnace

- Customized thermal and mechanical protections

> INSTALLATION

- Handling tools for cables
- Easy installation and maintenance, thanks to the modularity of the various components of the power supply system

> COMMERCIAL

- Short and reliable delivery times thanks to standardization
- Markets closeness thanks to our team of project managers and to our agents network



ENDOSCOPIC INSPECTION

> **ENDOCABLE™** is an exclusive development patented by EITEC®, designed to optimize the cable's life by an inspection, on site, without disconnecting and draining the cables.



CABLE MONITORING SYSTEM

The cable monitoring system allows to measure and record continuously the value of the currents flowing in each cable installation.

The cable's lifetime can be estimated and preventive maintenance can be planned by means of an endoscopic inspection.

AFTER



BEFORE



REPAIR SERVICE

Re-sheathing, replacement or recovery of conductors, terminals or parts thereof.

EITEC® guarantees your productivity by minimizing down-time of your cables by a fast and customized answer.

EITEC® can repair cables regardless of their design or brand.

BUSINESS SECTORS

Steelmaking, electrometallurgy, graphitization, Foundries, research centers, Plasma furnaces, glass factories...

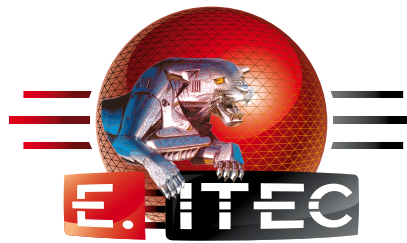
MANUFACTURERS REFERENCES

DANIELI, SIEMENS, TENOVA, NIKKO INDUSTRY, SARRALLE, FUCHS TECHNOLOGY, CVS, BMI, PZSK.

CUSTOMERS REFERENCE

ARCELOR-MITTAL, CELSA, TATA STEEL, ASCOMETAL, EMIRATES STEEL, WINOA, FERROPEM, GROUPE RIVA, FERRIERA VALSABBIA, VALLOUREC, JINDAL, ESSAR, PSA PEUGEOT-CITROËN, UGITECH, ESREFOGLU, QATAR STEEL, KHOUZESTAN STEEL, ANTARA STEEL, APERAM, ACERBRAG, OUTOKUMPU, KALYANI CARPENTER, ABS SISAK, ÅKERS, AUBERT & DUVAL, AL-ASSEMAH STEEL, SABIC, KUWAIT STEEL, SONASID, NLMK GROUP, OMK STEEL VYKSA, SEVERSTAL, COLAKOGLU, BELTRAME, SAINT GOBAIN PAM...

All our ranges are detailed on our product sheets which are available on request



ITEC.BAR™ RANGE

LOW AND HIGH
VOLTAGE HIGH
CURRENT POWER
BUSBAR

AIR INSULATED HIGH POWER BUSBAR SYSTEM

ITEC.BAR™ GT

> HIGH POWER BUSBAR SYSTEM

- Voltage $\leq 1000V$
- Frequency 50 to 60 Hz or DC
- Current from 1000 to 6500 A
- Copper or aluminum conductors
 - IP 00 to IP 55
- Flexible connections to devices
 - Protection of flexible connections by bellows
 - Supporting rails
 - Tropicalization



ITEC.BAR™ GENERATOR SETS

> ELECTRICITY PRODUCTION

- Power plant, co-generation, generators in containers
- Emergency power units, no-stop power supplies

> RENEWABLE ENERGY

- Biofuel plants, landfill gas, mines, blast furnaces, flares gas, water treatment plants, methanation unit, biomass...

> REFERENCES

SDMO, ENERIA CATERPILLAR, FAUCHE ENERGIE, 2H ENERGY, MITSUBICHI ENGINES, GMS ENERGIE, CLARKE ENERGY, AFRICA POWER SYSTEMS, DALKIA...



CAST RESIN LOW VOLTAGE BUSBAR SYSTEM

ITEC.BAR™ GP

> CHARACTERISTICS

- Voltage $\leq 1000 V$
- Frequency 50 to 60 Hz or DC
- Current 1000 to 6500 A
- Copper or aluminum conductors
 - IP 54 to IP 68
- Flexible connections to devices
- Protection of flexible connections by bellows

> WHERE TO USE IT

- Aggressive environment
- Floodable areas
- Limited space
- Long distances

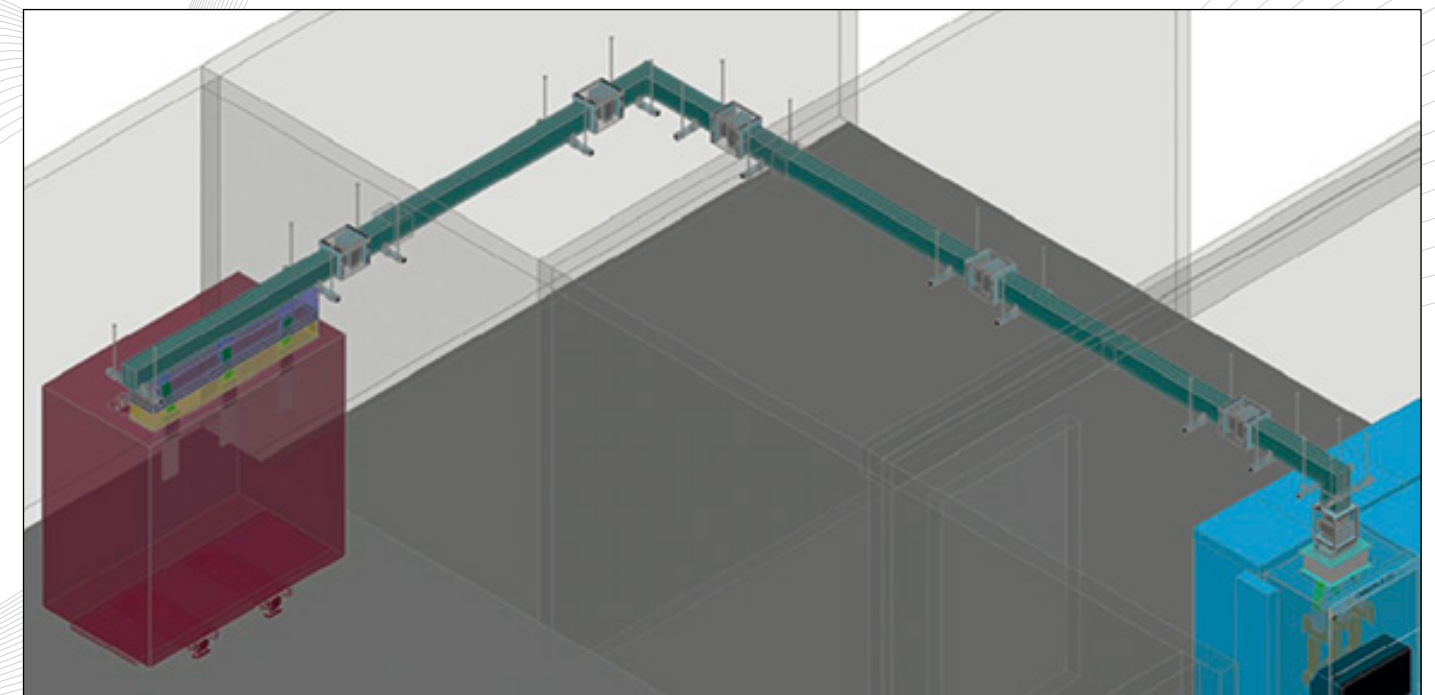
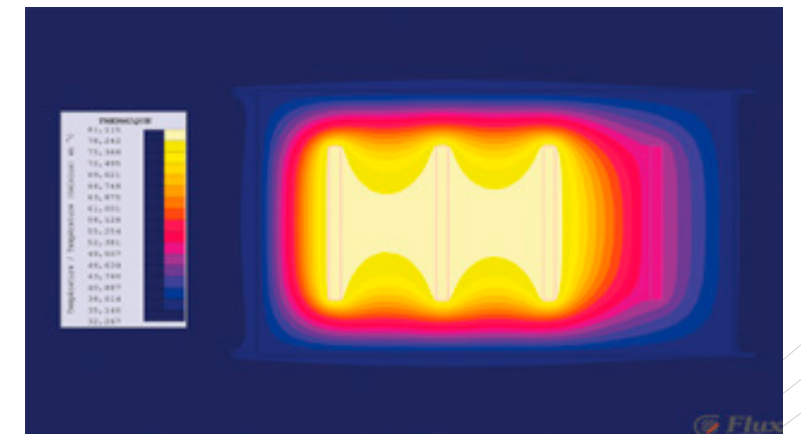
> AVANTAGES

- High mechanical resistance
- Low voltage drop
- Reduced dimensions
- Quick connection between elements

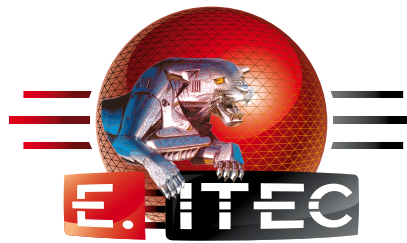


THE ADVANTAGES OF ITEC.BAR™

- Supply of complete sets, ready for installation or use
- Customized studies and drawings for each project
- Range of modular supports
- Possibility of installation by E.ITEC®
- Optimization of energy yield thanks to FLUX software (electromagnetic and thermal simulations)



All our range are detailed
on our product sheets which
are available on request



ITEC.BAR™ RANGE

LOW AND HIGH
VOLTAGE HIGH
CURRENT POWER
BUSBAR

ITEC.BAR™ GS

> TAILOR-MADE BUSBAR SETS

- Design and manufacture of specific Busbars, tailored to any special needs

> REFERENCES

- TIFAST (Italy), NIDEC, AREVA TA (Cadarache), ALSTOM POWER (France)...



ITEC.BAR™ GLASS FACTORIES

- Complete line of power electrode boosting
- Busbar specially designed for the glass furnace environment
- Flexible connection to electrode with insulated braids, laminates or cables
- Copper electrode clamps
- Design of layout after visit at site

> REFERENCES

ST GOBAIN (France, Spain, Portugal), OI (Italy, Netherlands, Germany, Spain, France, Czech Republic), EUROGLAS, SAVERGLASS, F.I.C.(UK)...

ITEC.BAR™ GD

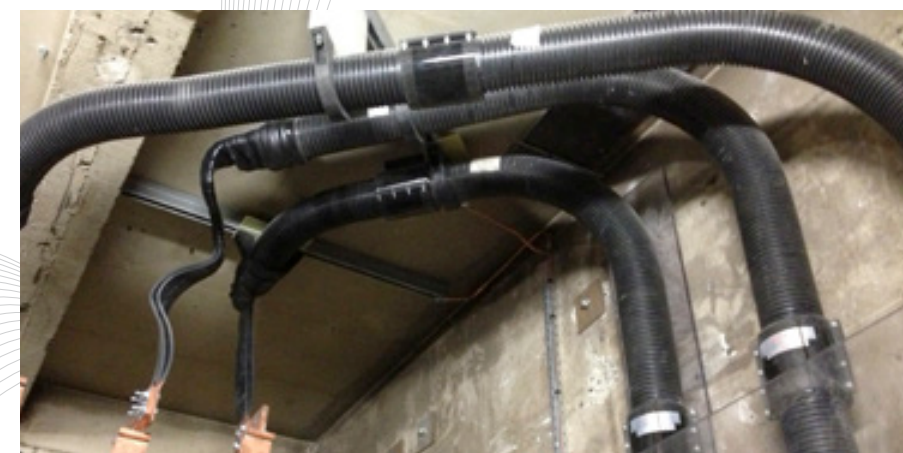
> DISTRIBUTION LV BUSBARS

- Current 63 to 2500 A
- Copper or aluminium conductors
- Junction boxes
- IP 50 to 55 aluminum cover



All our range are detailed
on our product sheets which
are available on request

CAST RESIN HIGH VOLTAGE BUSBAR SYSTEMS



ITEC.BAR™ GV

> MEDIUM VOLTAGE BUSBARS

- Voltage from 1 to 37 kV
- Segregated phases with copper or aluminum tubes
- Small overall dimensions
- Double insulation (polyurethane resin and polyamide outer sheath)

> BUSINESS FIELDS

Arc furnace transformer primary circuits, Electricity production, substations, industry...

> REFERENCES

SCHNEIDER ELECTRIC, NATIONAL COMPANY of RHONE, ALTEO, VALLOUREC...

SOME OTHERS CUSTOMERS OF ITEC.BAR™

ABB (France, Yemen, Algeria, Luxembourg, Egypt, off-shore)
AREVA (France, Bahrain), FRANCE (Ukraine), MAPICER (Morocco)
TUNISIA ELECTRO TECHNOLOGY (Tunisia), COMECA (France, Arab-Emirates), FAUCHÉ GROUP, LARSEN TOUBRO (India),
SDMO (France, DOM-TOM, Lybya, Mexico, USA), SNEF, SPIE, EIFFAGE
ENERGY, CEGELEC, COFELY INEO, CLEMESSY, HAZEMEYER, VINCI
ENERGIES, ACTENIUM, SANTERNE, ORMAZABAL, GROUPE CAHORS,
REYES DOURMAP, CAP INGELEC, R3EA, CNRS, TECHNORD, SULLITRON...

SOME OTHERS BUSINESS SECTORS

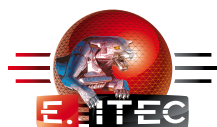
Substations, boiler rooms, hospitals, data centers, supermarkets, waste recovery, energy production (nuclear power plants, wind farms, hydro-electricity, photovoltaic, power generators), publics buildings, airports, stadiums, industries : glass, paper, chemical, petrochemicals food, pharmaceuticals, cement, steel...



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DEUTSCHLAND

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www.eitec.fr



> A brand of the group



Willing to preserve the **environment** through an **eco-design** approach, E.ITEC® created **Linaë®**, an innovative concept of **water purification** and **industrial water treatment unit**.

Linaë® offers modular and adaptable solutions based on **membrane filtration** technology for:

- The seawater and brackish water desalination
 - The purification of surface water
 - The decontamination of wastewater
 - The industrial water recycling

contact@linae.fr
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