

YOU

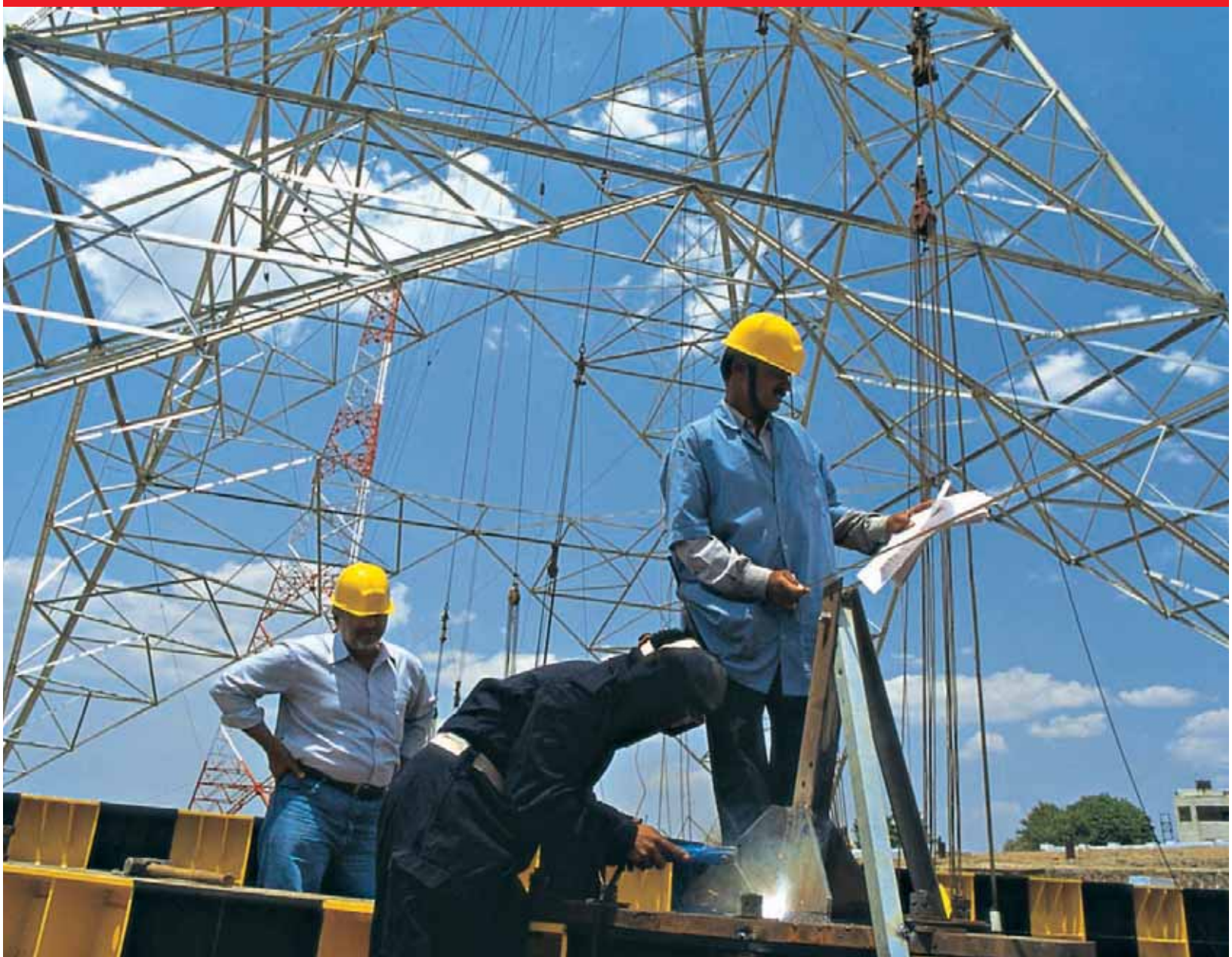
The
FOCUS
is on
you



JYOTI STRUCTURES LIMITED

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You receive our utmost attention





At Jyoti Structures Ltd. we are strongly committed to four values - Customer Focus, Competitiveness, Quality and Long-term Relationships.

JSL excels as a leader in Turnkey/EPC Projects. With in-house expertise in Design, Testing, Manufacturing, Construction and the latest in Technology, we have been able to provide our clients with services that exceed their expectations. With a strong Project Management base, we offer the advantages of lower operating cost and efficient delivery schedules.

You partner with:

- ♦ A leading Turnkey / EPC Player
 - Transmission Lines
 - Substations
 - Distribution Lines
- ♦ Rich experience
 - 3 Decades of successful track record
- ♦ Unique pre-qualifications
 - TL up to 800 kV
 - SS up to 400 kV
- ♦ Proven success
 - Satisfied Customers in 35 countries



“During execution of the project, we found JSL very customer focused and service oriented.”

Societe d'energie dela Baie James,
HydroQuebec



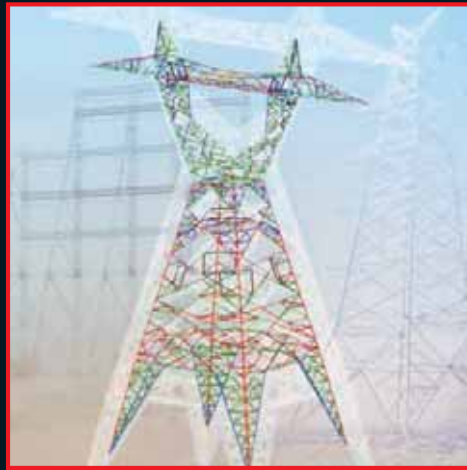
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You get turnkey solutions

Transmission Lines



Survey



Design & Engineering



Sourcing



Testing



Manufacturing



Construction



Substations



Design & Detailed
Electrical Engineering



Sourcing & Supply



Construction & Commissioning



*“We are extremely
impressed with the
quality and dedication
of the staff involved”*

ABB



You meet your goals

OUR CAPABILITIES

TRANSMISSION LINES

Survey

- ◆ Remote sensing using satellite images
- ◆ Mosaicing of images
- ◆ Digitisation of toposheets
- ◆ Generation of corridor maps & digital terrain models (DTM)
- ◆ Detailed terrain analysis of the Alignment Corridor
- ◆ Tools include total stations, Theodolites, GIS equipment

Tower Design

- ◆ 3 Decades of experience in designing Transmission Towers, Substation structures and Microwave Towers
- ◆ Design of towers including 800 kV, 500 kV HVDC and River Crossing Towers





- ◆ Computer aided 3D Analysis, detailed drawing generation, sag calculations and foundation drawing generation
- ◆ Adoption of latest technology by use of Bocad, PLS CADD, PLS Tower, Staad Pro

Tower Testing

- ◆ State of the art largest Tower Testing Station in Asia
- ◆ Testing upto 1000 kV
- ◆ About 200 Towers tested for Customers from 25 countries
- ◆ Also tested Guyed, Tubular Tower
- ◆ Tested Towers upto 120 MT & with uplift of more than 550 MT per leg
- ◆ Equipped with Crane for faster tower erection
- ◆ Max. base width of Tower – 26 meter
- ◆ Max. height of Tower – 85 meter
- ◆ Microprocessor based system with simultaneous application of load through multi speed motors
- ◆ Capable of testing rectangular base Towers
- ◆ Auxiliary Test Bed – upto 220 kV, 14 m base
- ◆ Proto-type Fabrication Shop at Testing Station itself
- ◆ Clients include HydroQuebec (Canada), Enelpower (Italy), Powerlinks (Australia) Chiletra (Chile), ADWEA (Abu Dhabi)



“Jyoti’s world-class in-house facilities such as design, tower testing & manufacturing facilities have contributed to the success of the project.”

HydroQuebec, Canada





Manufacturing

- ◆ Two Modern Plants : > Nasik - Annual Capacity: 56,000 MT
> Raipur - Annual Capacity: 38,000 MT
- ◆ Facilities are suitable for manufacturing Transmission Line Towers, Microwave Towers, Wind Mill Towers and Railway Electrification Structures
- ◆ Ability to assess quality conforming to various international standards
- ◆ Supplied over 550,000 MT of structures to various utilities around the world
- ◆ Complete traceability of materials
- ◆ Four galvanising baths – 8.4 m x 0.8 m x 1.3 m
- ◆ Microprocessors based control with an accuracy of 1 degree
- ◆ CNC Machines for fabrication

Construction

- ◆ Constructed over 15,000 Ckt. Kms. of transmission line of voltages including 800 kV, 400 kV DC and 500 kV HV DC including OPGW stringing
- ◆ Possess 16 sets of tension stringing equipments for quadruple and twin bundle conductor stringing
- ◆ Capacity to string 1,500 kms of twin/quad bundle conductors per year
- ◆ Successfully executed jobs in difficult terrains like the Himalayan ranges, deserts and total water-logged areas
- ◆ Executed river crossings including 1,000 mtrs. span over river Ganges with 142 mtrs. tall towers
- ◆ Executed Microwave Tower Construction projects



SUBSTATIONS

Design & Detailed Engineering

- ◆ Design: Electrical, Civil, Structural and Auxiliaries up to 400 kV
- ◆ Drawing and Documentation, Detailed Engineering
- ◆ In-house capability to design switchyard layout structures, control room, earthmat, fire fighting, auxiliary power supply, illumination, erection key diagrams
- ◆ Project planning and coordination, Manufacturing Equipment support and Gantry structures at our two manufacturing facilities

Sourcing & Supply

- ◆ Sourcing and Supply of all electrical and ancillary equipment and materials from domestic and international sources

Construction

- ◆ Site services, construction, erection, testing and commissioning
- ◆ Complete project work including electrical, civil structural and associated systems to complete installation and commissioning
- ◆ Undertake projects in international and domestic markets
- ◆ Projects involving both transmission lines and substations on single point responsibility basis



“The openness of all personnel and availability of records confirms that the company’s performance is consistently successful”

Bureau Veritas





You get world-class quality





Our facilities have been approved by various international utilities like Vatenfall (Sweden), Power Link, Western Power and TransGRID (Australia), IVO (Finland), ABB (Germany), BalforKilpatric (UK), HydroQuebec (Canada), National Grid (UK), Mott MacDonald (UK), Kennedy Donkin Power (UK).

QUALITY & SAFETY CERTIFICATIONS

ISO 9001 : 2000



ISO 14001:1996



OHSAS 18001:1999

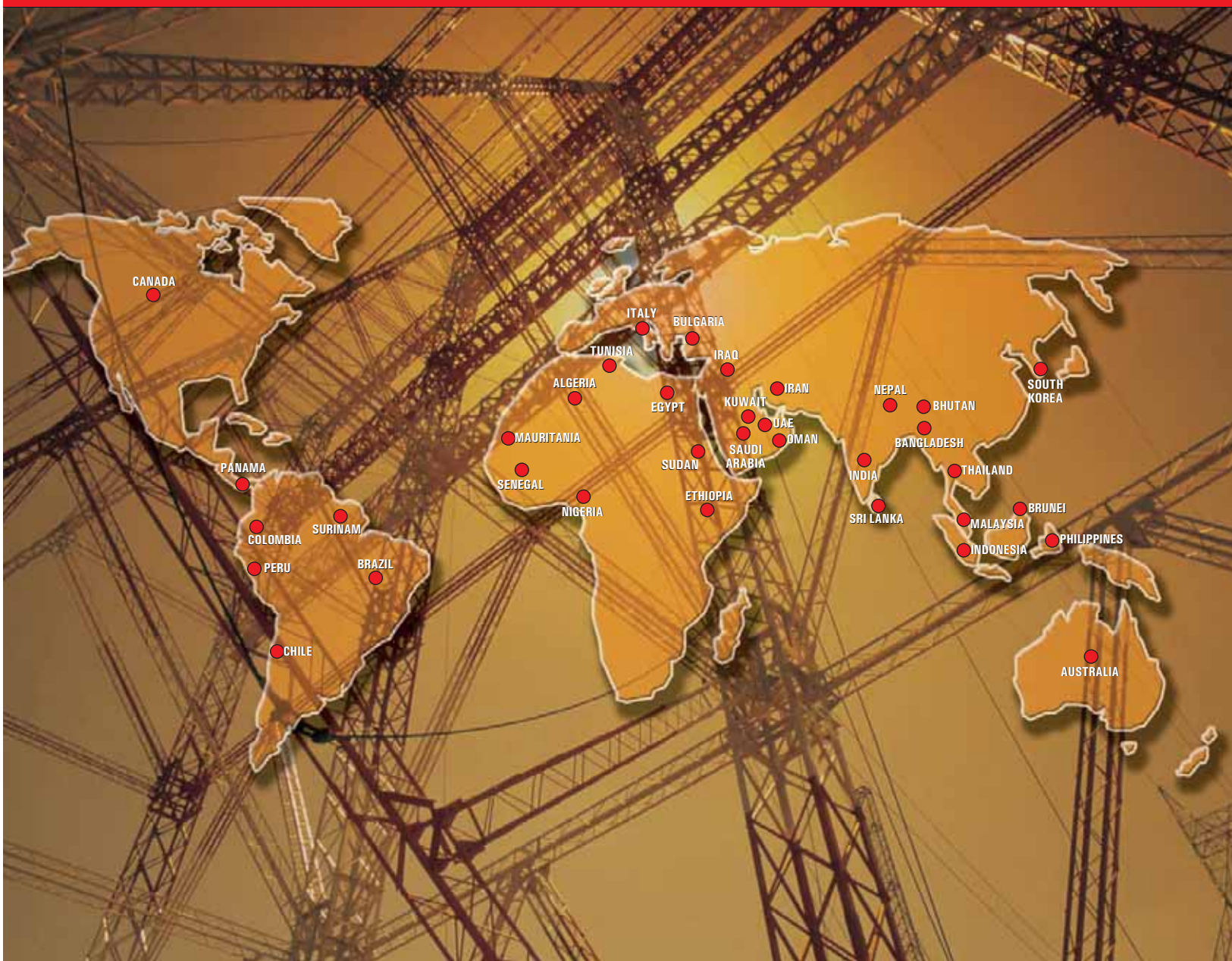


“We were most impressed with the level of technology demonstrated and quality of your products.”

National Grid, UK

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You get world-class experience





OUR EXPERIENCE

- Executed over 500 projects and done work for customers in 35 countries
- Some of our esteemed customers across the globe

- ◆ Hydro Quebec, Canada
- ◆ United Group, Australia
- ◆ SNC Lavalin, Canada
- ◆ Balfour Beatty, UK
- ◆ Enel Power, Italy
- ◆ MHEW, Oman
- ◆ STEG, Tunisia
- ◆ EEPKO, Ethiopia
- ◆ KEPCO, Korea
- ◆ DEWA, Dubai
- ◆ Iberdrola, Spain
- ◆ Kahramaa, Qatar
- ◆ Power Grid, India

Capabilities & Experience

- Inhouse facilities from concept to commissioning of Transmission lines upto 800 kV, Substations upto 400 kV and Distribution lines.
- Manufacturing capacity of 94,000 MT per annum
- Tower Testing Station for testing towers upto 1,000 kV
- Construction equipment including 16 Sets of Tension Stringing Equipment with capacity of over 1,500 Kms. of twin/quad bundle conductors per year
- Constructed over 15,000 Circuit Kms of high voltage transmission lines.
- Manufactured over 550,000 MT of transmission line towers.
- 3 Decades of successful track record.

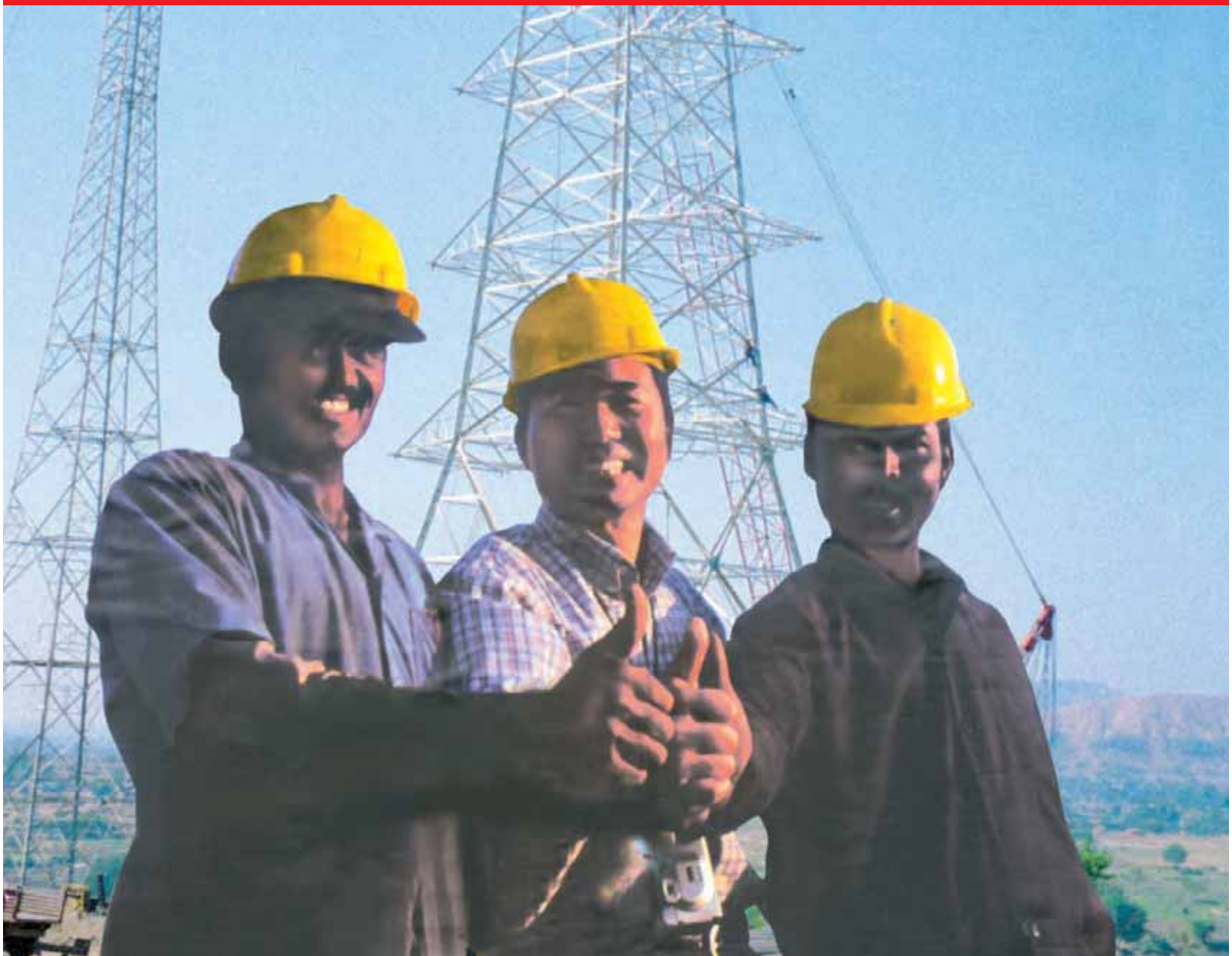


“I was particularly impressed by the economical arrangement of the process of manufacture from raw material to finished product and the standard of quality control.”

MOTT MCDONALD



You form a permanent bond





THE VALUE OF OUR RELATIONSHIPS

Once you have accessed any of the JSL services, a permanent bond has been made. Our team seamlessly fits in with your own workforce and delivers products and services that answer your requirements perfectly. We are strongly committed to the four values of customer focus, competitiveness, quality and long-term relationships. The focus is definitely on you. Today, tomorrow & always.



“We value the relationship we have with your organisation and want it to grow and flourish for many years to come.”

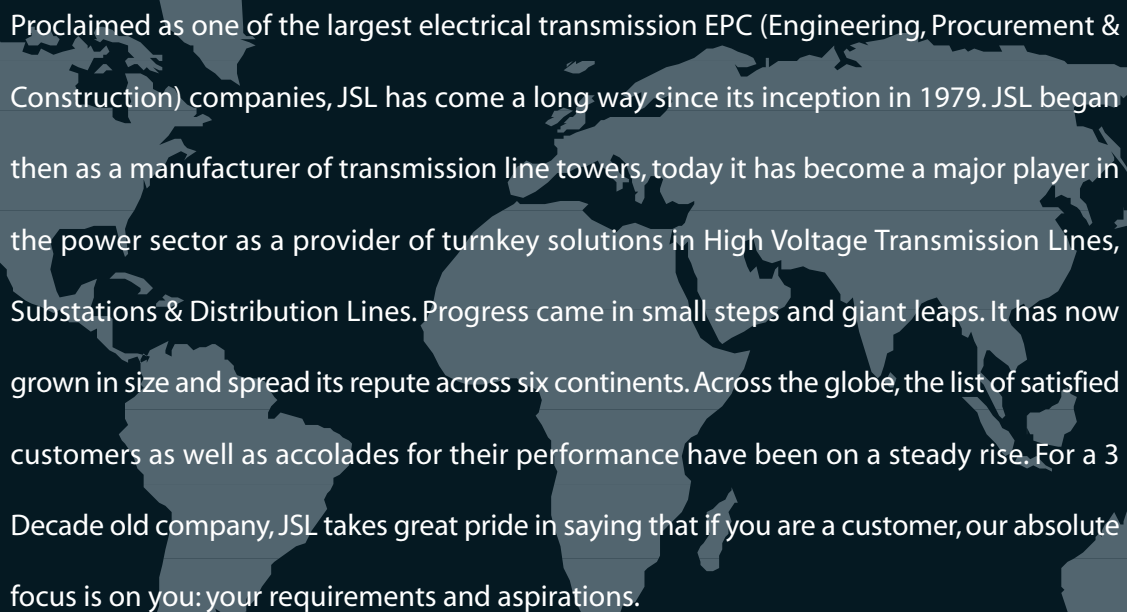
United KG, Kilpatrick Green,
Australia.



YOU

You are constantly in our line of vision

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Proclaimed as one of the largest electrical transmission EPC (Engineering, Procurement & Construction) companies, JSL has come a long way since its inception in 1979. JSL began then as a manufacturer of transmission line towers, today it has become a major player in the power sector as a provider of turnkey solutions in High Voltage Transmission Lines, Substations & Distribution Lines. Progress came in small steps and giant leaps. It has now grown in size and spread its repute across six continents. Across the globe, the list of satisfied customers as well as accolades for their performance have been on a steady rise. For a 3 Decade old company, JSL takes great pride in saying that if you are a customer, our absolute focus is on you: your requirements and aspirations.



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