India's leading integrated power transmission solution provider, driven by a strong purpose…

EMPOWERING

HUMANITY
by addressing the toughest challenges of energy delivery

Leadership with purpose

FUN   |   INNOVATION   |   RESPECT   |   SOCIAL IMPACT
Sterlite Power is India’s leading power transmission company...

- Share lineage with London-listed US $ 17 b Vedanta Group metals & minerals Company
- 22 projects (12 India, 10 Brazil), running over +12,000 cKm
- ~$5.4 billion capital commitment
- 60+ EHV transmission lines
- 21 new Sub-Stations/Voltage expansions
- 21000+ MVA transformation capacity

We are the first..

- To complete a transmission project **12 months ahead of schedule**
- Indian **OPGW manufacturer and solution provider**
- Transmission company to form an **Infrastructure Investment Trust (InvIT)**
- To use **aerial technologies** (LiDAR, Heli-crane, UAVs) for projects
- To execute OPGW and conductor **stringing by helicopter** in India
Our Core Purpose addresses the toughest challenges of energy delivery across space, time and capital paradigms

Empowering humanity by addressing the toughest challenges of energy delivery
And we have achieved several Key Milestones towards our core purpose

2006
Acquisition of Power business from Sterlite Industries

2010
Awarded its first Independent Power Transmission Project under TBCB

2014
Attracted private equity investment for Standard Chartered of INR 5 billion. Commissioned first project in North-East.

2015
Became first private transmission developer to win MoP award for early commissioning of 765/400 kV Dhule substation

2016
Raised India’s first AAA rated infrastructure bonds without government guarantee.

2017
Deployed helicranes to set up transmission towers in the J&K mountains

2018
Received largest global order of $47 bn from GS S Korea for supply of high performance conductor

Won 2 projects in Brazil, a first by an Indian transmission developer.

IndiGrid listed on the Indian stock exchanges

Won the largest project in Brazil worth $1 bn

Charged the prestigious NRSS XXIX project ahead of schedule
Sterlite Power operates across 4 Business Lines

**INFRASTRUCTURE**
- India’s leading private sector independent power transmission infrastructure owner
- Set up intra and interstate power transmission infrastructure (transmission grid) on long term BOOM (build, own, operate and maintain) model

**SOLUTIONS**
- Leading manufacturer of power cables, power conductors and OPGW
- Supply to leading utilities
- Export to over 40 countries
- Four state-of-the-art production units
- Undertake bespoke MSI (master system integration) projects

**CONVERGENCE**
- OPGW fibers and transmission towers are leasing to Communication Service Providers
- Services offered include:
  - Dark fiber lease
  - Colocation
  - Tower leasing

**INDIGRID**
- Infrastructure investment trust ("InvIT"), established to own interstate power transmission assets in India.
- ‘Right of first offer’ to acquire Sterlite Power projects
The Global Infrastructure Business owns 22 power transmission projects....

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<th>22 power transmission projects</th>
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<tr>
<td>Won under PPP</td>
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<td>(12 in India under TBCB, 9 in Brazil)</td>
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<th>6 operational assets</th>
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<td>3,800 ckms of transmission lines and 2 substations</td>
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<th>INR 37 bn aggregate annual tariff</th>
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<td>Average of first 5 years tariff collected for all projects (including those commissioned under construction and transferred to indiGrid)</td>
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<th>~21,250 MVA of transformation capacity</th>
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<th>36 substations</th>
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<th>40 extra high voltage (EHV) lines</th>
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<th>~12,500 ckms of power transmission lines commissioned/under construction</th>
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<th>30% market share by tariff of inter-state projects awarded under competitive bidding in India</th>
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<th>99.8% availability achieved across our commissioned assets for 2017-18</th>
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... across India and Brazil landscapes (Asset Portfolio)
The Solutions Business offers industry leading products and solutions...

Diverse Products Portfolio

Conductors
- Full range power conductors from ACSR to high performance conductors (Composite Core, INVAR, ACSS, GAP-Type, etc.)
- Market Leadership in product & customer segments
- Capacity of 180,000 MT. to serve global markets; supply to over 40 countries
- Only facility in India with upstream integration of molten metal for conductor manufacturing

Cables
- State of art manufacturing facility established in 2011
- Product range from 6.6 kV to 220 kV Power Cables
- Focus on new products: 3-Core EHV Cables, Fiber Integrated Power Cables, High Ampacity Low Loss Cables, Cables in Co-extruded ducts
- Best-in-class raw material; only Company in India, which is a ‘Down-Inside’ partner

OPGW & Accessories
- India’s only fully integrated OPGW manufacturer & solution provider
- Capacity 15,000 km per annum

Master System Integration (MSI) Projects
Sterlite Power has successfully transformed into a Master System Integrator delivering increased throughput, upgrade to existing infrastructure, OPGW based communication system & reliable EVH underground network in shortest possible time.

Power Systems Planning and Forecasting
Our in-house expertise on power systems helps us support our customers in their planning and forecasting needs. We help our customers specify their needs and co-create solutions that help them upgrade existing infrastructure in preparation for the future.

Engineering Assessment and Design
Our design and engineering team develops solutions that optimize space and time constraints. We design solutions that minimize corridor footprint by using technologies such as monopoles and compact power designs, micro piling and GIS substations.

Project Management and Delivery
We leverage our core strengths of technology and project management to deliver solutions to our customers that help them uprate, upgrade and strengthen their existing infrastructure, with minimal outage and disruptions. We are building capabilities of various aerial technologies for execution and live-line reconductoring.
... with 11 MSI projects across India (Asset Portfolio)

**SETCO**
Overview
220kV D/C Osternie-Sabudza
220kV D/C Bhogal-Ralikau
440kV D/C Bhashunda-Vasai

**JSO**
Overview
110kV D/C Bhim-Ponda
110kV D/C Pataram-Kodamba LLUG

**AESB**
Overview
400/220/110kV MOGW
Madukkatheer - Anacode - Kottawa
400/220kV, 630/110kV, 220/33kV
MCMW lines
400kV D/C 220kV M/C lines
110kV D/C Kollegal - Nabadah-Koppady
660kV D/C to 110kV D/C
Malappuram - Haripad
All the rings with HPC for
Carrying surplus power

**PGCIL/DTEL**
Overview
220 kV D/C Wazirabad - Genta Colony
220 kV D/C Santita-Vithal Pragati IP

**TTRANSCO**
Overview
132 kV D/C Nagerjunam
Sagar - Hilla
132 kV D/C Warangal - Jangnun
132 kV D/C Alure-Bhogil
132 kV D/C Dharwad - Janakampet
132 kV D/C Mohabat - Mahraji
132 kV D/C Janakampet - Rentsal
132 kV D/C Ramannagood - Narkapally
132 kV D/C Kethchal - Shopumagar

**WB/PGCIL**
Overview
400 kV D/C Farakka-Malda
132 kV D/C Malda - Malda
132 kV D/C Sylhet - Barampora
132 kV D/C Durgapur - Ulhra Transmission Project

**HIMACHAL PRADESH**
Overview
660kV D/C Kote-Ganjri
660kV D/C Kote-Nagri
220kV D/C Gumes to Anirde
660kV D/C Nagri-Soilri
220kV D/C Sukh-Shakking
Power House

Sterlite Power has oriented all its offering to address coinciding challenges of Time, Space & Capital. MSI delivery vertical of the Solution Business augments capacity of transmission line in an economic manner, within shortest possible time, with minimal disruption.

**MSI Projects - 2500 kM**
Convergence offers a unique business model that combines the best of both power and telecom solutions

Convergence operates at the confluence of power and telecom infrastructure aggregating overhead (OPGW) and underground optical fibre cable infrastructure

Services Offered

**Dark fibre capacity lease:**
A unlit fiber pair or strand which holds unlimited potential to transmit bandwidth/data is provided on IRU (Indefeasible Rights of Use) or ARC (Annual Rate Contract) basis along various available routes to Communication Service providers (CSP).

**Colocation space lease:**
A rental rack space to host telecom support infrastructure in a highly secured location inside a power substation, with uninterrupted power supply and multiple back-up power sources, enhanced through remote monitoring and surveillance facilities.
These businesses combine technology, talent, innovation and partnerships to provide what we call “The Sterlite Advantage”

**Technology and Talent**
We leverage new technology in both planning and execution to deliver on our commitments ahead of schedule.
We pride ourselves on our team of talented professionals from across sectors and expertise, leading our operations across geographies.

**Innovation as a Mindset**
We are committed to solving the toughest challenges through an innovative approach to all aspects of our operations.
We are pioneers in deploying cutting edge planning, surveying, executing and financing techniques.

**Strategic Partnerships**
We are excited to be working with the best and most innovative partners in the industry, forging long term symbiotic relationships.
We value all partners equally, be it the smallest vendors or our execution contractors.
“The Sterlite Advantage” offers game-changing solutions while maintaining sound execution practices through safety and superior project management

**Safety**

Safety comes before all else. We have instituted world class processes and practices to ensure safety for all our workers, contractors, employees and community at large.

We regularly engage, educate, train and track our people across the organisation to keep them up to date and in compliance with our processes.

**Project Management Expertise**

Our expertise working across multiple geographies and government stakeholders is reflected in our ‘first time right approach’

Our in depth understanding of contract frameworks and Infrastructure Business models enables robust monitoring and effective delivery.
Innovation at Sterlite Power symbolizes “A New Way Today”...

**Air Crane**
First company in India to use aircrane to set up a power transmission line in the mountainous terrains of J&K

**Heli Stringing**
First company in India to use helicopters for stringing cables reducing execution time and minimizing ground disturbance

**LIDAR (Light Detection and Ranging) Survey**
First transmission company to undertake LIDAR survey for topographic mapping

**River Crossing**
1,000 metric tonne capacity barges anchored in the middle of the Ganges to erect a 100 meter high tower when the monsoon was at its peak
Cable stringing using Drone
Filed for a patent for use of drones for cable stringing. 100-300 man hour project to string a cable between two transmission lines crunched to 20 man hours.

InvIT
First Indian company to list power transmission assets through an InvIT, thereby putting highly rated assets in public hands and providing access to future growth capital at a competitive rate.

First FDI in Power Transmission
First Indian company to attract FDI in power transmission; Standard Chartered PE Fund investment of INR 500 crore.

Smart line
First in India to set up a ‘Smart line’ (in Goa); ~45 km line uprated using HPC and existing earth wire replaced with OPGW for effective communication.

... in everything we do; from project execution to capital financing
While positive Social Impact is a way of life, in every project we execute

**Kerala**

Innovative technology solution deployed through the use of monopoles versus traditional lattice towers to significantly reduce land footprint and minimize impact on neighborhood and community.

**North-East**

Community engagement practices carried out at and around site to understand local beliefs of social acceptance across elements of biodiversity, conservation, community and culture. Plan for the next financial year to further invest and engage in enhancing community well-being.

**North Region (J&K)**

Charged the prestigious NRSS XXIX line through one of the most challenging mountainous terrains to provide power to millions in the valley despite challenging work conditions. Usage of helicranes enabled the completion of project ahead of schedule.
Combined with a Quality first safety must mindset, our superior execution and planning skills set us apart in the power transmission sector

**Robust & Reliable Design**
- Stage-wise Design Review Process
- Technical Site Survey Expertise
- FMEA based Requirement Analysis & Risk Assessments

**Drive Best Practices across org.**
- Global Quality Policy & Framework : Commitment to Stakeholders
- Detailed Quality Assurance Plan
- Simplified & Visual CTQ/SOP
- Standard Quality Process for Global Operation & Multilayer Audits

**Supplier Excellence**
- Supplier Assessment & Score Card
- EPC/Contractor Engagement
- APL & AML (Approved Partners & Material List) Control

**Best-in-Class Material**
- Supplier’s Process Control & Audit
- Pre-dispatch Inspections
- Factory Qualifications Control
- Prototype and Type Tests

**Built-in-Quality Construction**
- Highest Safety Standards
- Standard Quality Control Pack & Contracts with EPC
- Education Kits, Videos & Skill Training Modules
- Multilayer Audit Framework
- Quality Guarantee through CTQs (Critical to Quality)
- Commissioning & HOTO
And our Awards and Accolades are a testament to this claim
Under the aegis of Mr. Pravin Agarwal, the leadership team strives to achieve the ultimate goal of providing reliable power to the last 1 billion people on the planet.
Sterlite Power has a vision to revolutionize the transmission industry by addressing its top constraints through alternate solutions

**VISION 2021**

*To become one of the leading global players in the power transmission industry*

**TIME**

With generation timelines slashed to 1/10th, transmission infrastructure needs to catch up to ensure timely evacuation of power

**Early commissioning:**
Using revolutionary technologies such as air cranes and heli-stringing, Sterlite Power has proven its capability to deliver projects ahead of time at the highest quality

**SPACE**

The current aging transmission infrastructure is not sufficient to sustain the growing power demands of industry and community. In addition, availability of space to build new lines is a fundamental challenge.

**Uprate/upgrade:** Leveraging state-of-the-art technology, our solutions offer easy decongestion and improved performance of existing lines without disrupting the neighboring ecosystem

**CAPITAL**

World over, government balance sheets are stressed with welfare programs and infrastructure NPAs. Private players provide capital relief and quality of delivery that is required to expedite transmission infrastructure

**Asset flip:** Our Infrastructure Investment Trust (InvIT) allows us to flip capital faster and invest quickly into new projects through public involvement in fund raising
Access to power has the potential to change the lives of millions, by bringing about a transformation in the local economy, and with it, the country as a whole. With Power comes education, a better standard of living, better lifestyle leading to growth as a nation. Nothing has left or will leave a more lasting impact on humanity than 'Power'.