



**AMPERA
ENERGY**

EMPOWERING SUSTAINABILITY

Ampera Energy Pvt. Ltd.

Corporate Presentation



We are a Decarbonization and Green Energy Solution provider to organizations in their journey towards Sustainability goals

Empowering customers to attain sustainability goals by helping reduce carbon emissions and enabling green power procurement through cost-effective solutions.

Founded and led by industry leaders with deep experience across power markets, power generation & distribution, as well as environmental and sustainability initiatives.

We bring a complete understanding of customer requirements and the possible solutions considering technical, commercial and regulatory feasibility.

Our services and solutions are in the following areas:

- Climate Change & Corporate Sustainability
- Decarbonization
- Green Energy Transaction
- Project Development



About Us



Prabhajit is a distinguished power sector professional with over two decades of leadership experience.

His previous professional assignment was as the MD & CEO of Power Exchange India Ltd. (PXIL), a NSE group company, further to which he started Ampera Energy as a solution provider to C&I customers.

His notable contributions to the power market in India include development of the REC market, the ESCerts market and several different power market segments.

Ex-PTC, Larsen & Toubro, IPCL and PXIL, he is a known Renewable Market, Power Market and Decarbonization Expert and has served as a member of several Committees of CERC, CII, Govt of India.

Prabhajit Kumar Sarkar, Founder & CEO

<https://www.linkedin.com/in/prabhajit/>



Ravi is a senior leader with 35 years of Capital Markets and Banking experience. He retired as the Chief Business Officer of the National Stock Exchange (NSE). He served as director on the Boards of Goods and Services Tax Network (GSTN), Power Exchange of India, India Gas Exchange, NSE International Exchange, International Bullion Exchange, NSE Academy, NSE Indices, NSE Data, BFSI Sector Skill Council etc.

Ravi Varanasi, Advisor



Mayukh is an experienced senior management Energy and Food sector professional and entrepreneur/investor with over 20 years of experience in Strategy, Project Appraisal, Investment analysis, Business Planning, Transaction domain. He has his own startup in Farming domain.

Mayukh Mukherjee, Co-Founder

Climate Change

- **Anthropogenic GHG Emissions → Global Warming → Climate Change: An established fact**
- **Leading role being taken by the Government of India. NDCs set as below:**
 - GHG intensity to be reduced by 45% by 2030 from 2005 level
 - 50% cumulative power installed capacity from renewable by 2030
 - Net Zero by 2070
- **Regulatory measures initiated in India**
 - Energy Efficiency – PAT scheme for ESCerts already implemented
 - Business Responsibility and Sustainability Reporting (BRSR)
 - LiFE - Lifestyle for Environment
 - Carbon Credit market being developed
 - Green Credit Market being developed
- **Regulatory measures from other countries**
 - European Carbon Border Adjustment Mechanism (CBAM) - impact on exporters across 7 sectors

Climate Risks

Climate Change risks affecting businesses broadly fall into three types:
Physical, Transitional, and Liability risks

- **Physical risks** are immediate threats from the physical environment, e.g. flooding, hurricanes, drought, wildfires – all symptoms of climate crisis and can cause physical damage to people, property and transport links.
- **Transitional risks** comes from the potential cost to businesses by new policies, laws, and other regulations designed to address climate change. Transitional risks also arise from changes in technologies and consumer trends, leading to reputational risk as wider society changes its view on ethical business practices.
- **Liability risks** arise from a failure to mitigate, adapt to, disclose, or comply with changing legal and regulatory expectations. For example, companies that pollute are exposed to potential litigation. But so are companies that fail to consider future climate change in their products and services.

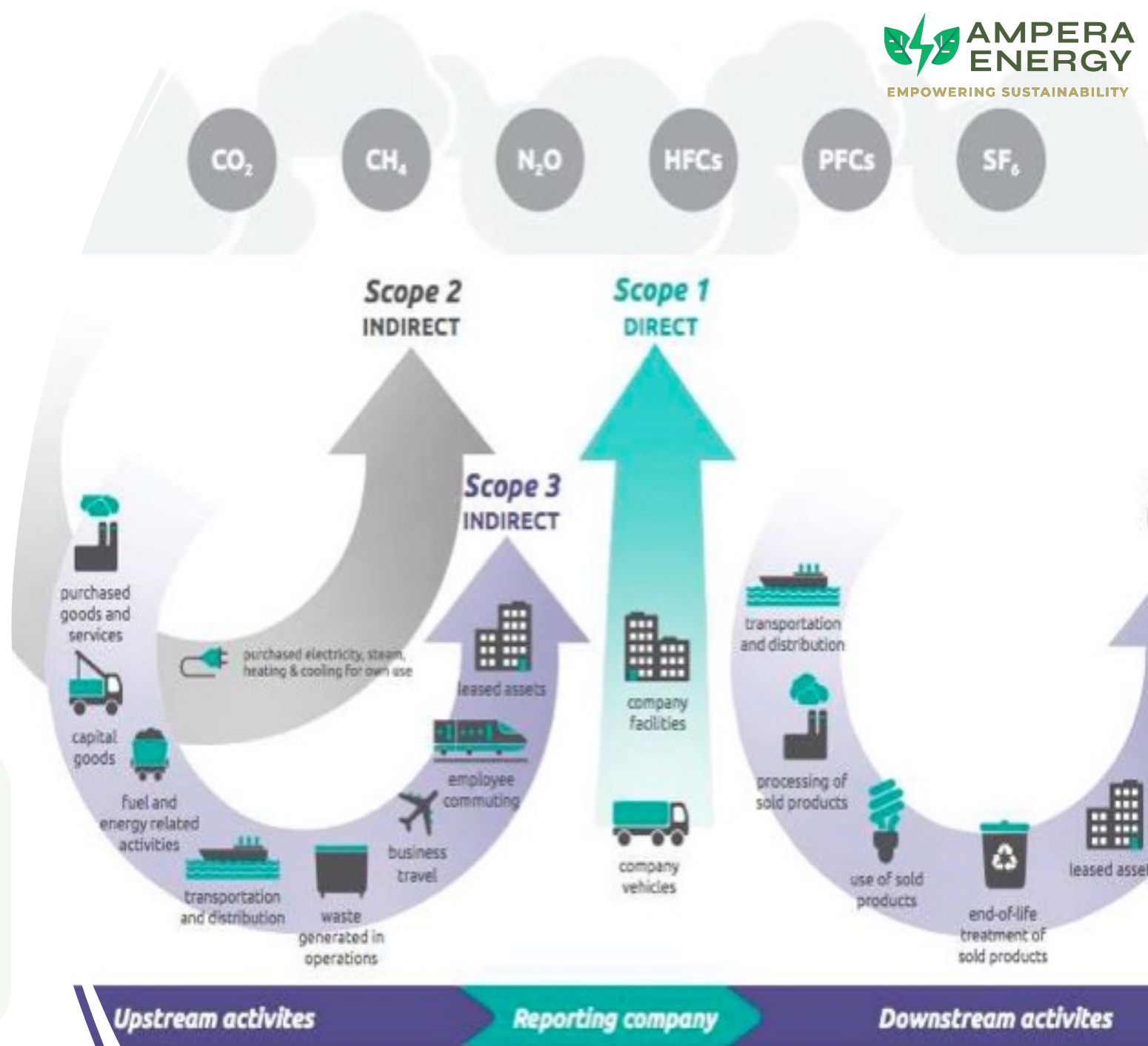
Sustainability

- Corporate Sustainability - Mapping, measuring and mitigating climate risks on the dimensions of Environmental, Social and Governance (ESG) objectives
 - Environmental challenges and risks coupled with social movements and pressures are translating into stricter policies and regulations
 - Stakeholders like investors and customers are increasingly voicing their views in favour of companies with measured ESG initiatives
- **We help organizations in**
 - Identifying material ESG risks and impacts
 - Setting targets and goals
 - Measuring performance
 - Preparing Reports and Disclosures as per frameworks like GRI, BRSR, PRI, TCFD, SASB etc.



Decarbonization

- Decarbonization: Focused on the Environmental aspect of ESG
 - IPCC has demonstratively proved that human led Greenhouse Gas (GHG) emissions are leading to global warming and climate change
 - The earth has a limited budget for GHG emissions, the Carbon Budget, to maintain temperature increase within 2 °C
 - Nations across the world are trying to limit their cumulative carbon emissions accordingly
- We help organizations in**
 - Measuring GHG emissions (Scope 1, 2 and 3)
 - Measuring Carbon footprint
 - Laying out the roadmap towards a reduced emissions profile: a low-carbon future
 - Implementing projects to reduce carbon emissions, e.g. renewable power, energy efficiency etc.
 - Achieving carbon neutrality and Net Zero



Some Decarbonization Solutions

Energy Efficiency

Electrification of Industrial Processes

Renewable Power

- Solar PV and Solar Thermal
- Wind
- Bioenergy
- Waste to Energy
- Battery Storage
- I-RECs / RECs
- Emerging option - VPPAs

Green Hydrogen

Carbon Removal

- Carbon Capture and Storage
- Carbon Sequestration through Nature Based Solutions

Sustainable Mobility

Green Power Solutions

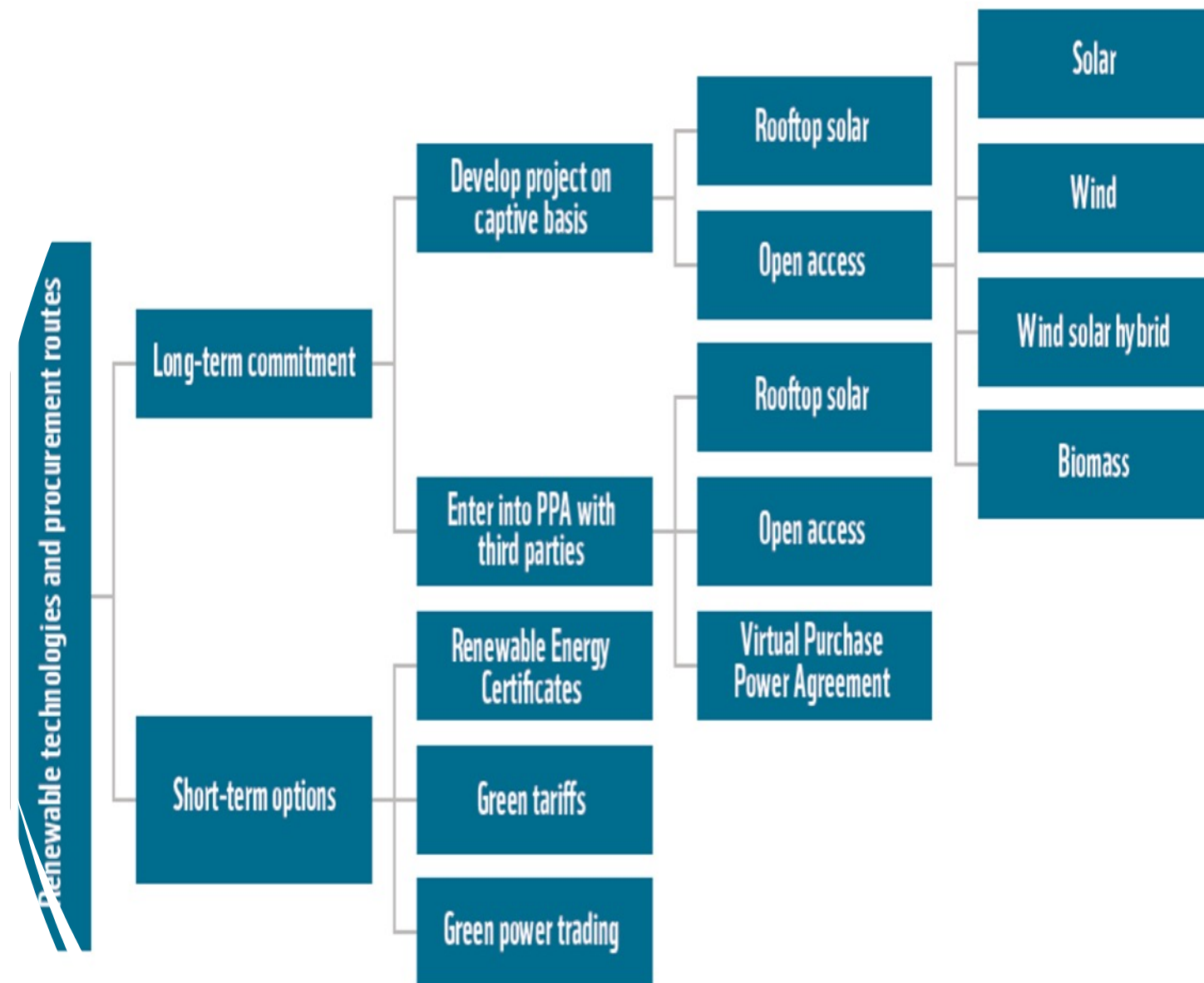
We help organizations convert their power procurement to renewable sources through various solutions spanning Capex / Opex models as well as long-term and short-term transactions

- Purchasing Green Power
 - Captive / Group Captive with Battery Energy Storage
 - Power Exchanges / Open access transactions
 - Roof Top Solar (RTS)
- Greening Purchased Power
 - Renewable Energy Certificates: I-RECs and RECs
 - Other Environmental Attribute Certificates (TIGRs, CERs etc.)



Purchasing Green Power

- Ampera Energy provides the most optimal solution to each customer
- Based on the existing and future requirements of the customer
- Evaluating on the parameters of Technical, Commercial and Regulatory / Policy environment within the State



Project Development Support

- Project Development support including project feasibility and DPR preparation for
 - Renewable energy projects including with Battery integration
 - I-REC project development
 - Energy efficiency projects
- Investment advisory and due diligence for projects
 - Investment analysis including project P&L, BS and cash flow projections
 - Due Diligence of projects including technical, regulatory and commercial due diligence
- Financing of Projects
 - Fund Raising for Power Projects, Energy Efficiency and Carbon Mitigation projects
 - Refinancing of existing power project debt

Our Portfolio of Services



Climate Change & Corporate Sustainability

- Identifying material ESG risks and impacts
- Setting targets and goals
- Measuring performance
- Preparing Reports and Disclosures as per frameworks like GRI, BRSR, PRI, TCFD, SASB etc.



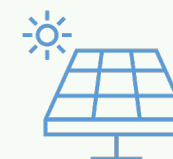
Decarbonization

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Green Energy Transaction

- Purchasing Green Power
 - Captive / Group Captive
 - Battery Energy Storage Systems
 - Power Exchanges / Open access transactions
 - Roof Top Solar (RTS)
- Greening Purchased Power
 - International-Renewable Energy Certificates (I-RECs)
 - Other Environmental Attribute Certificates (RECs, TIGRs, CERs etc.)



Project Development

- Project Development support including project feasibility and DPR preparation for RE, EE and Carbon credit projects
- Investment advisory and due diligence for projects
- Financing and Refinancing of projects



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Thank You

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