



  
AVAADA

PROMISE OF A SUSTAINABLE FUTURE

**Avaada Group – Corporate Presentation**

**India – Japan Environment Week**

**January 2023**

# Avaada Group – Vision & Mission

## OUR MISSION



Enlighten, empower and energize every community (socially and economically) to fulfill their dreams.

## OUR VALUES



**IMPACT:** Integrity, Mutual Respect, Passion, Accountability, Commitment, Trust

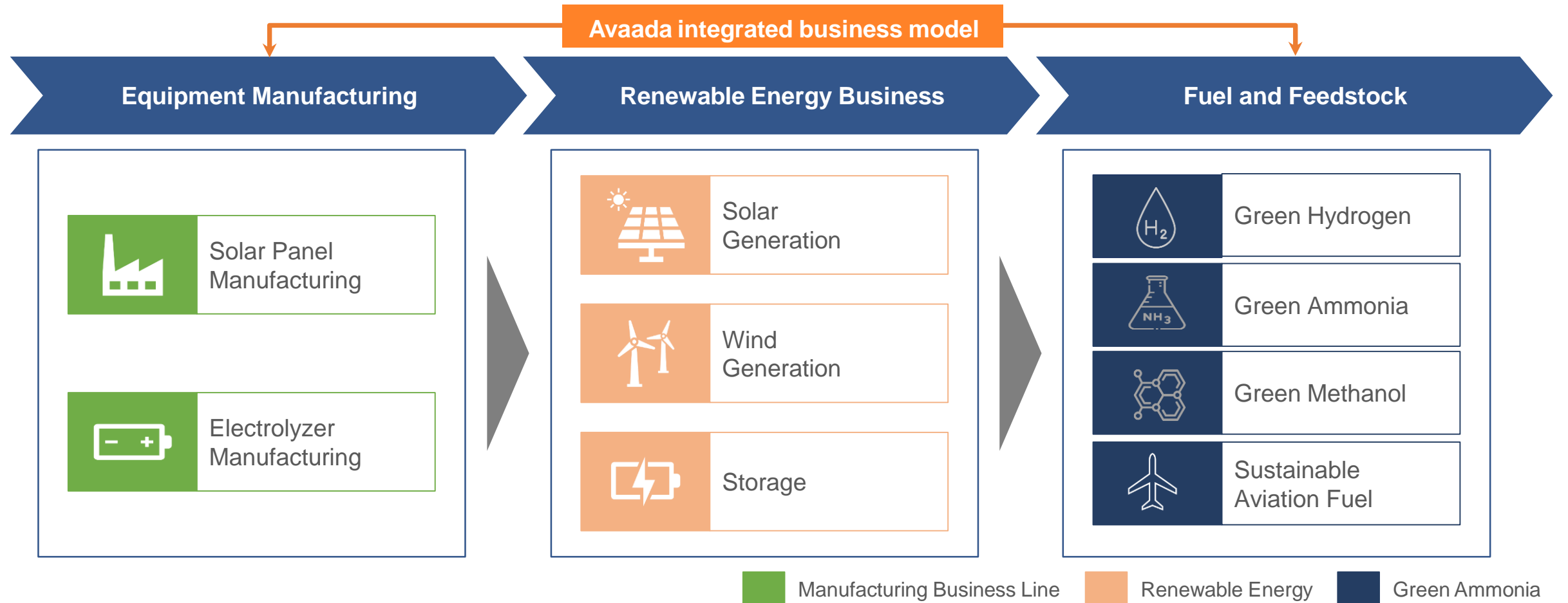
## OUR VISION



To be a 30 GW company and impacting 1 million lives by 2030.

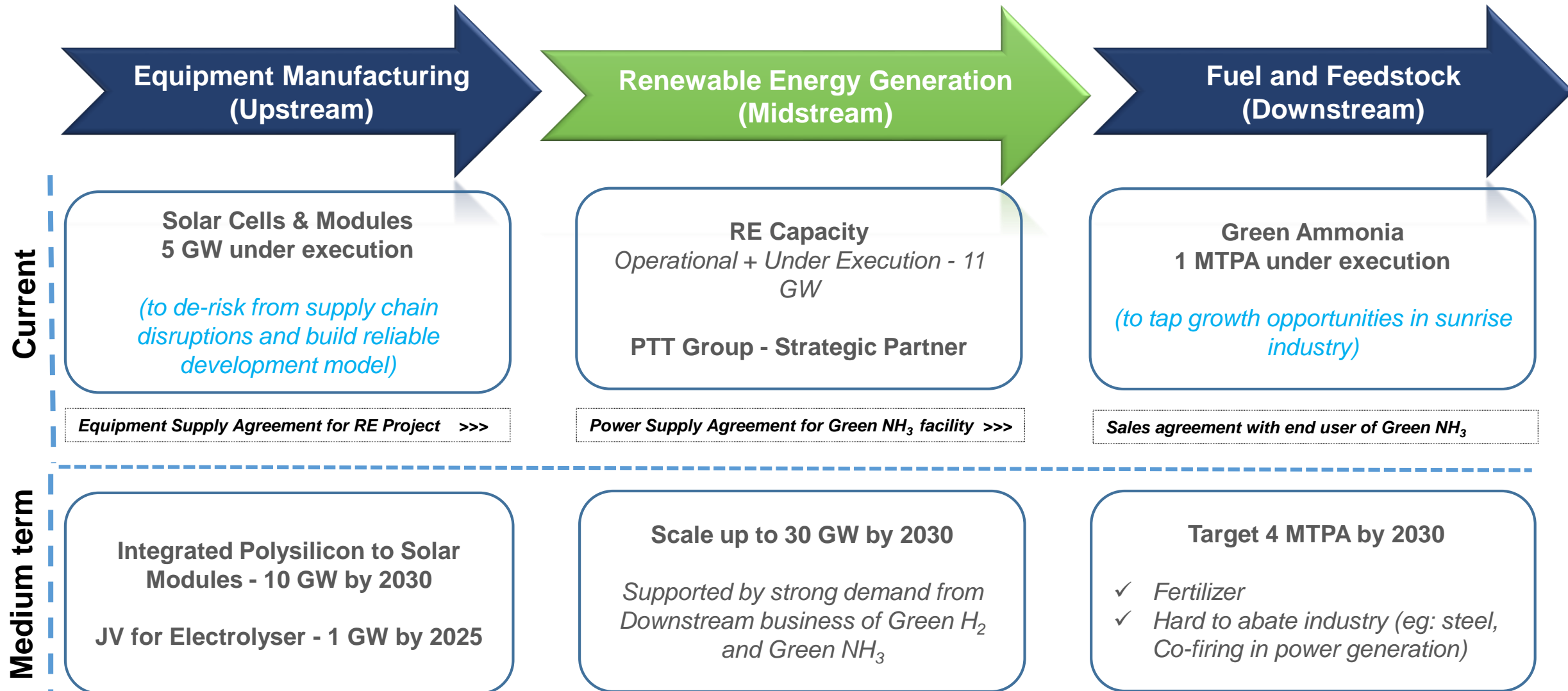


# Avaada Group is set to be a “sand-to-molecule” company

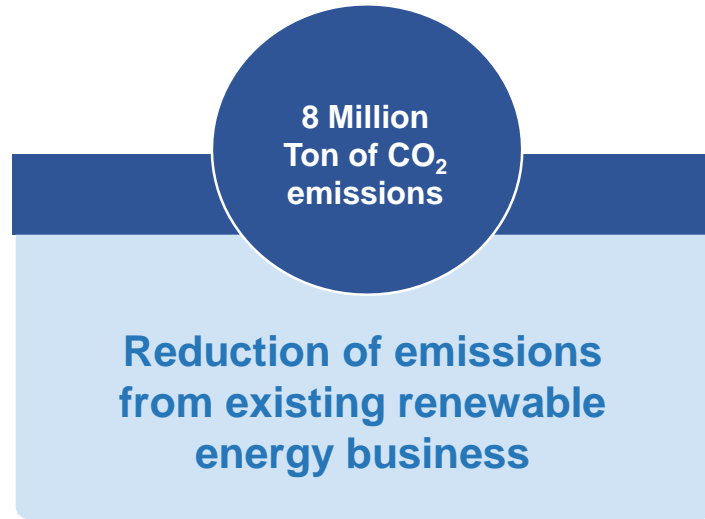


Asset-backed and active across the value chain from sourcing to sales

# We are an integrated energy player with defined business targets



# Avaada is already contributing to reducing GHG emission and UN SDGs



*Sustainable future is the fundamental premise of our business philosophy – our community engagement model aligns with 13 UN SDGs*



# Avaada Foundation building sustainable communities under EEEH



## EDUCATION

Through our comprehensive education program, we are helping to bring children back to school by upgrading teaching and physical infrastructure.



## ENVIRONMENT

Numerous tree plantations drives have resulted in environment consciousness among villagers as well as increased green cover.



## EMPOWERMENT

Under our empowerment program men and women are finding new avenues to use their skills as an additional income source. Existing income sources are being aided to be more sustainable and profitable.



## HEALTH

Much needed medical access has been provided to villagers in remote rural locations. Through consistent efforts instances of common diseases have come down.



## RURAL ELECTRIFICATION

We are working to bring electricity in the lives of people in the remotest corners of the country, through off-grid rural electrification projects.

- Socio-economic survey
- Regular performance audits
- Stakeholder need assessment exercise

# Social Impact created by Avaada Foundation



Education –  
Beneficiaries  
40,000+

Empowerment  
5,500+

Environment Sapling  
planted and trees  
distributed 1,00,000+

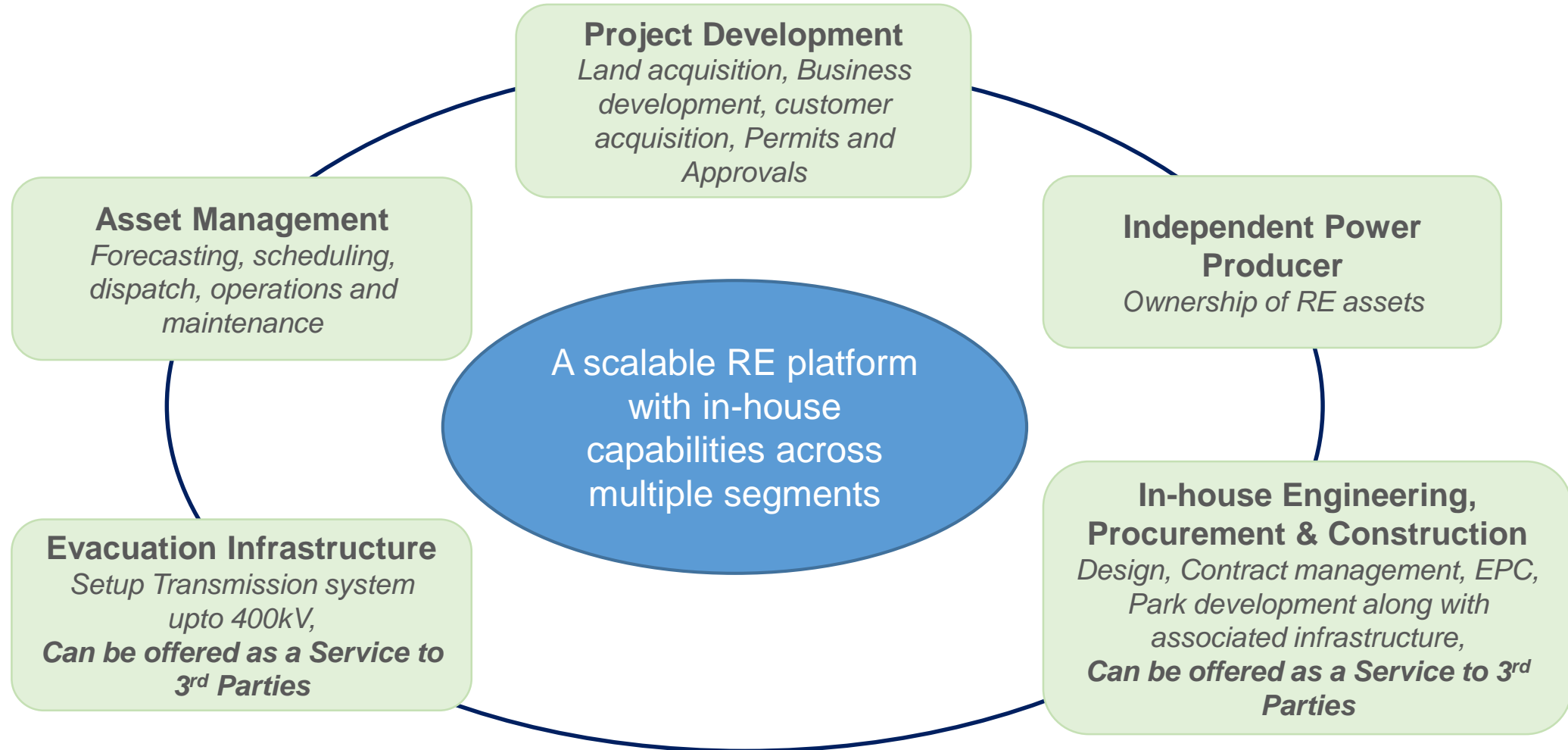


Health – Lives  
touched  
1,25,000+

Rural Electrification  
10000+



# Avaada Energy is an integrated player across Renewable Energy segment



*The systems and processes are enabled by Data Science*



# Backing of strong equity partner

## PTT's Company Information:

- Fully integrated & highly diversified over entire O&G value chain:
  - Largest refinery group & petrochemical producer group in Thailand
  - International E&P business and oil trading business
  - Power flagship "GPSC" with committed capacity of 7,102 MW
- PTT, the most valuable company listed on the The Stock Exchange of Thailand (SET), with market cap. of more than USD 77 bn

## Summary of GPSC and Investment in Avaada:

- GPSC is the power and smart energy flagship of PTT Group
- GPSC partnered with Avaada Group through GRSC with ~ 43% stake
- GPSC, top 3 in power company listed on SET, with Mcap. of ~ USD 6.1 bn
- GPSC targets to be Top 3 power company in South-East Asia with more than half of MW from their green portfolio by 2030



Electricity



**Conventional**  
4,467 MW



**Renewable**  
2,655 MW



**Steam**  
2,946 T/H



**Industrial water**  
7,372 Cu.m./H



**Chilled water**  
15,400 RT



**ESS battery**  
141 MWh



### PTT Credit Ratings at Thai sovereign level

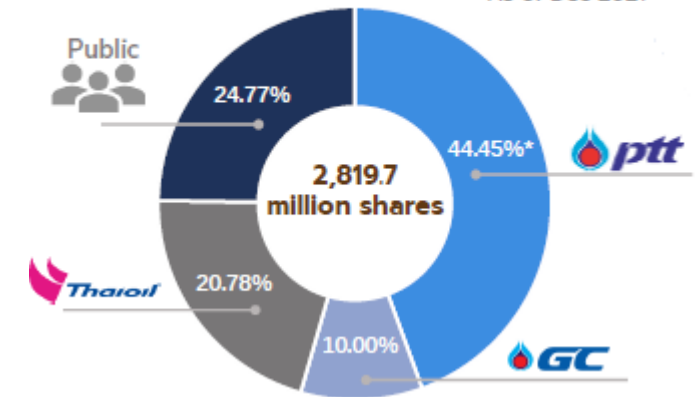
- S&P Global: BBB+
- Moody's: Baa1
- Fitch Rating: BBB+

### GPSC Global Credit Rating

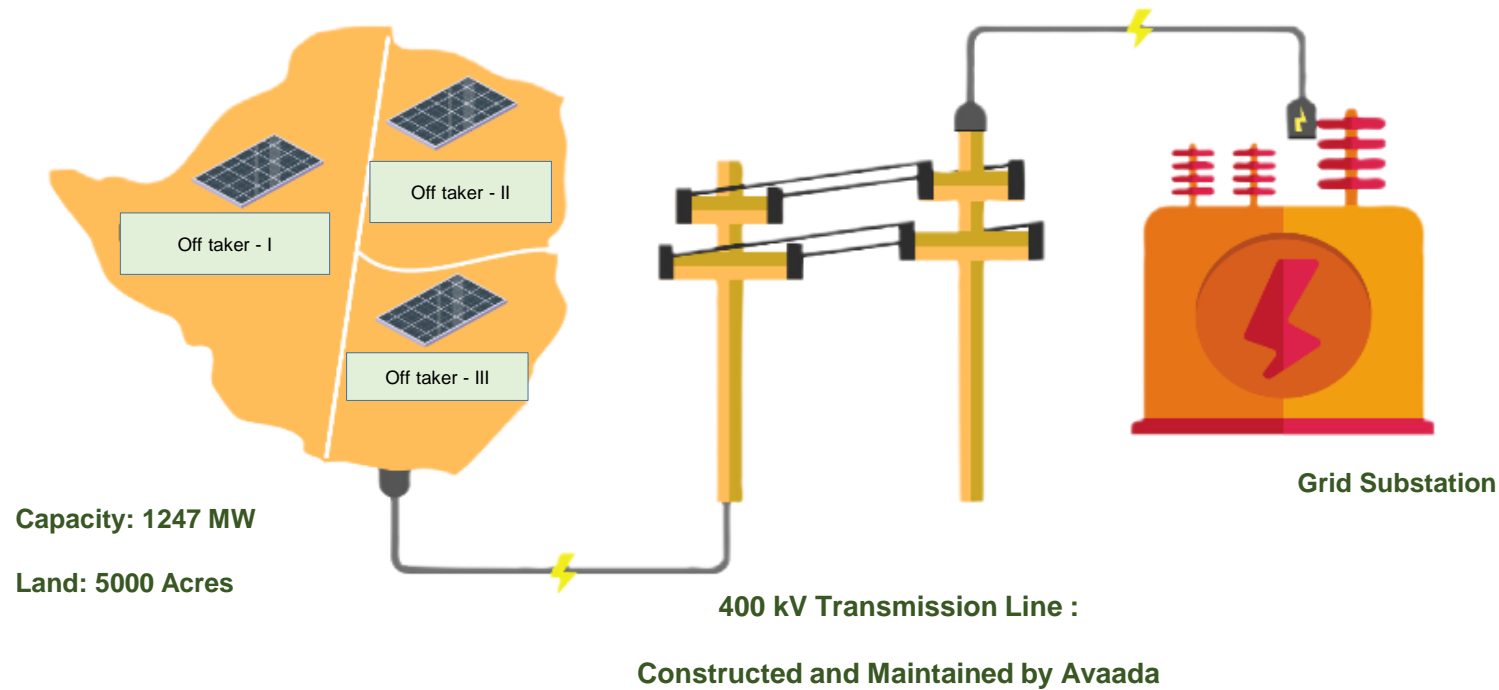
Fitch Rating: BBB-

## GPSC's shareholding structure

As of Dec 2021



# Avaada has the honour to develop the World's largest single location solar project of size 1.25 GW by a private developer



## Interesting Facts about the project

- **Boundary Length:** 99 km
- **Solar modules:** ~ 3 mn
- **Cable Length:** 2,338 km
- **Total Steel Used:** 30 Tons
- **CO<sub>2</sub> Emission reduction:** 2 mtpa

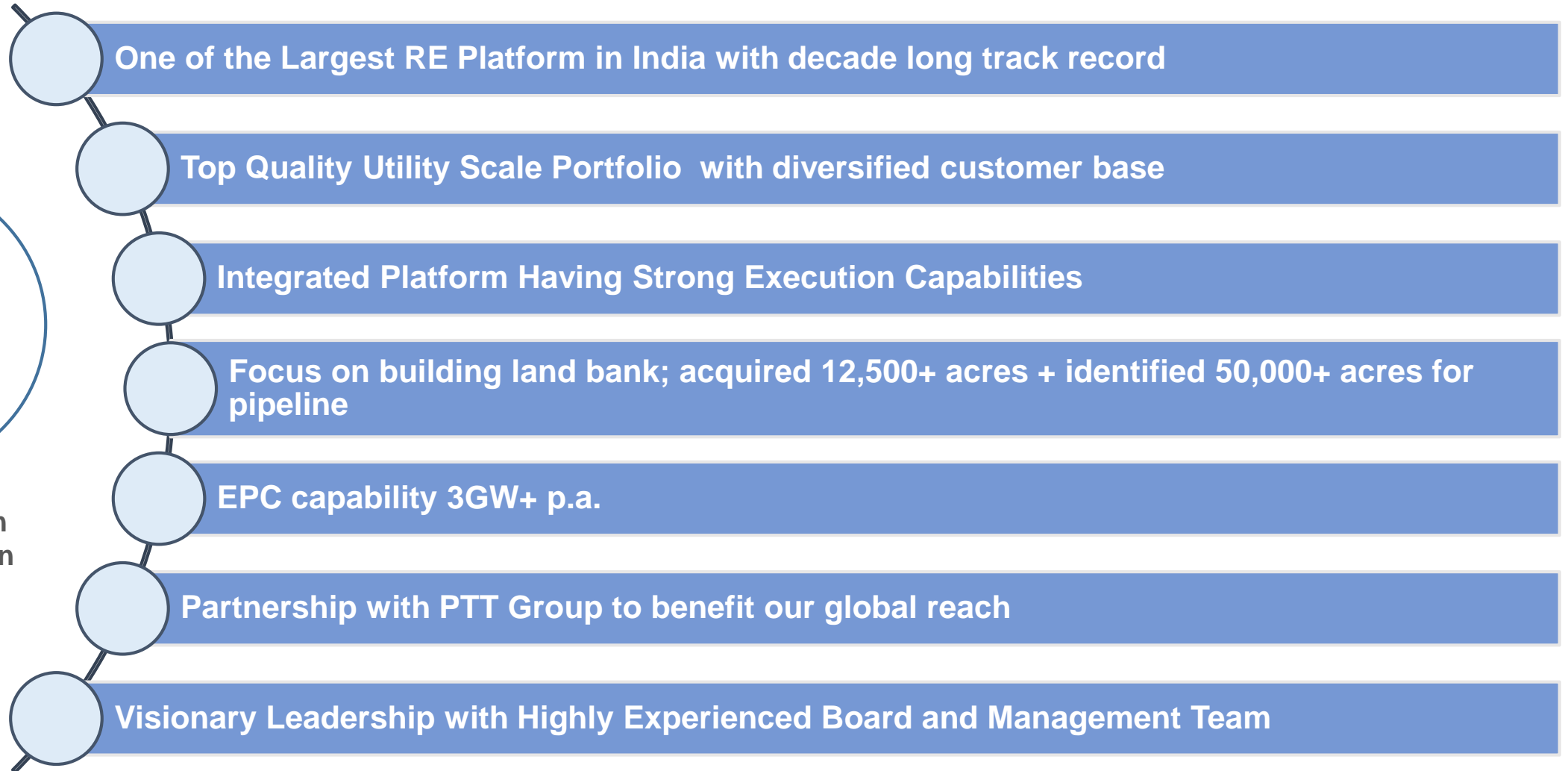
Being first of its kind project in India, multiple approval and permissions from National Transmission Planning Authority, offtakers were taken with requisite technical documentation

Link to the documentary "Rays of Change" made by National Geographic Channel on our world's largest single location solar power plant in Rajasthan : <https://youtu.be/QWGgmSZSznQ>

# Avaada Energy is well positioned to be “National Renewable Champion” leveraging its expertise in one of the fastest growing markets



Leading Player in  
India focussed on  
Clean Energy  
Transition



# World class EPC



# Asset management practices

## Technical Asset Management

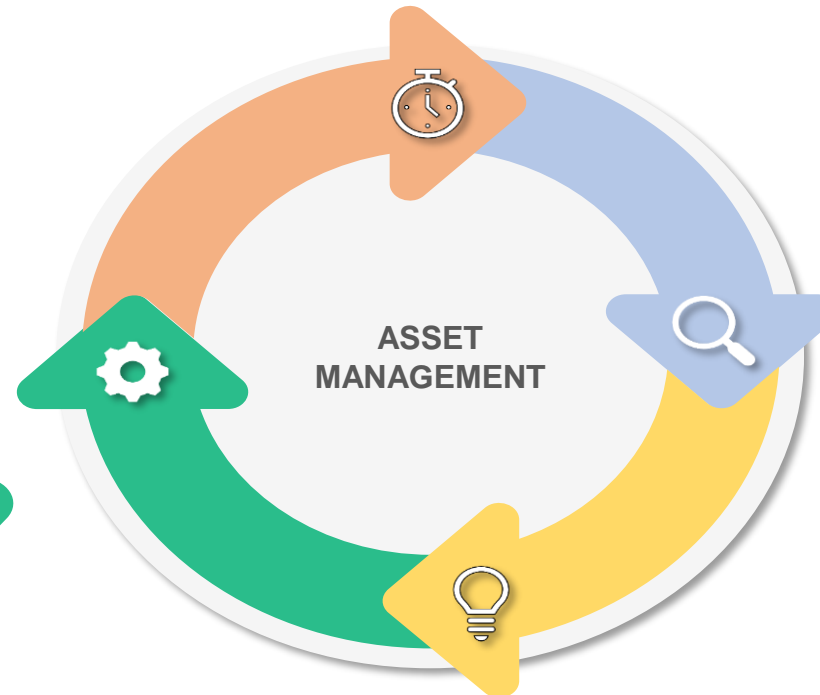
- Plant / Asset Supervision
- Asset Performance review
- Management of Operation & Maintenance vendors
- Warranty Administration

## Operation Management

- Plant Supervision
- Performance Monitoring
- Issue detection/ diagnostics
- Service dispatch/Supervision
- Security Monitoring
- Warranty Claim management
- Compliance Management

## Commercial Management

- Billing, Collection, Payments
- Insurance administration
- Interface with banks, investors, regulators, Local Authorities etc.
- SPV/ Project Co. representation
- Other Activities ( REC accounting/trading, Community benefits etc.)



## Maintenance Management

- Preventive & Corrective PV module, Monitoring system, SCB's
- Switchyard & Switch Gears
- Module Cleaning
- Vegetation Management
- Water Management,
- Road

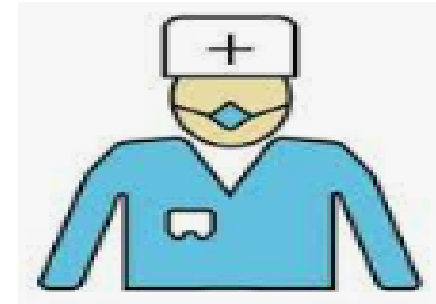
# ISO certification – testament to international standards followed by Avaada



ISO 9001: 2015  
Quality Management  
System



ISO 14001: 2015  
Environmental Management  
System



ISO 45001: 2015  
Occupational Health &  
Safety Management System

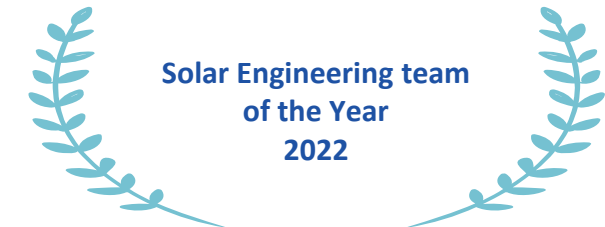
# Avaada Energy ranked Top Utility Scale Solar Power Producer in 1H'22

## 1H 2022 INDIA SOLAR MARKET SHARE LEADERS

 AVAADA	Top Utility-Scale Solar Project Developer
 TATA POWER SOLAR	Top Rooftop Solar Installer
 JINKO Solar	Top Solar Module Supplier
 TATA POWER SOLAR	Top Utility-Scale EPC Service Provider
 SINENG	Top Central Inverter Supplier
 SUNGROW	Top String Inverter Supplier
 Scorpius Trackers	Top Solar Tracker Supplier
 GOODLUCK	Top Module Mounting Structure Supplier
 airtouch	Top Robotic Cleaning System Supplier
 JSW Energy	Top Open Access Solar Developer

Source: Mercom India Market Share Leaderboard

MERCOM  
INDIA RESEARCH



- *Avaada is the First Developer to obtain GIB approval to set up 220 kV overhead transmission line for Bhadla II project.*
- *Avaada is first and only Solar IPP to commission solar project in NHPC Tender of 2000 MW*

# THANK YOU



## Contacts

### **Narinder Goyal**

President – New Initiatives and Ammonia  
[n.goyal@avaada.com](mailto:n.goyal@avaada.com)

### **Deepak Agrawala**

Senior Executive Vice President  
- Strategy, Equity and Investor Relations  
[deepak.agrawala@avaada.com](mailto:deepak.agrawala@avaada.com)



## Office Address

### **www.avaada.com**

406, Hubtown Solaris, NS Phadke Marg,  
Andheri East, Mumbai – 400069  
Phone: +91-022-6140 8000

910, Suryakiran Building, KG Marg,  
New Delhi – 110001  
Phone: +91-011-6817 2100