



Datacenters with Dedicated Captive Power

simagroinc

Powering the Future

Mission and Vision

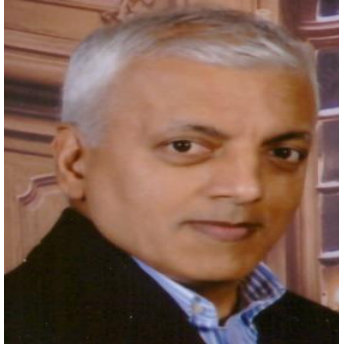
Powering for the future the datacenters and other digital assets with sustainable, captive energy to allow reliable and error-free operation of these environments.

Develop a portfolio of power assets collocated with datacenter infrastructure that enables the growing needs for AI and other digital technologies

Company

- Sim Agro Inc has been in the business of Clean and Sustainable Energy generation for several industries.
- With a global footprint of USA, India, Middle East, S. Korea – Sim Agro Inc and its global team has executed over 80 power related projects, and several more in biofuels and bioenergy space.
- The Company has under its disposal 100+ professionals to execute these projects and operate these facilities.
- Generated over 2000 MW of power in these projects from different fuel sources - biomass, rice husk, natural gas, organic waste, solar etc.
- The company is headquartered in Woodlands, Texas in N. Houston area.

Management Team



Dr. Karthik Raghavan is the President of Sim Agro Inc. He also the CEO of Agro Pulping Machinery based out of Chennai, India that is part of the Sim Agro Inc. group. He has over 25 years of experience in Chemical, Pulp and Paper and Energy Industries. Prior to this, he has led engineering and marketing teams at several Fortune 100 companies such as Mead, MeadWestvaco, NewPage, and Glatfelter. He has experience implementing large projects (\$5-250 Million dollars)



Alur Chakrapani is the Operations Sr. VP who has a over 30years of experience in power sector and has led many companies and group in this area. He was the head of business development for AREVA, France, Business Division head at Deutsche Babcock Anlagen, Engineering Manager at Public Services Enterprises, NJ, USA for their India office.

He has most recently leading Enmas EPC Power Projects since 2008. His expansive experience in powerplant builds, repurposing and optimization is widely recognized. He brings this experience to projects with Sim Agro Inc



Power assets to date from Sim Agro

2000
MW

Power Generated through Balance of
Plant

700
MW

Power Generated at Power islands
and Boiler islands

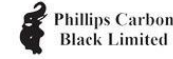
100+

Experienced EPCM Professionals

80+

Power Projects Successfully
Executed

Global Clients



Birla Cellulose
Fibres from nature



सेल SAIL



TULSYAN NEC STEEL



ITC Limited



Market Conditions

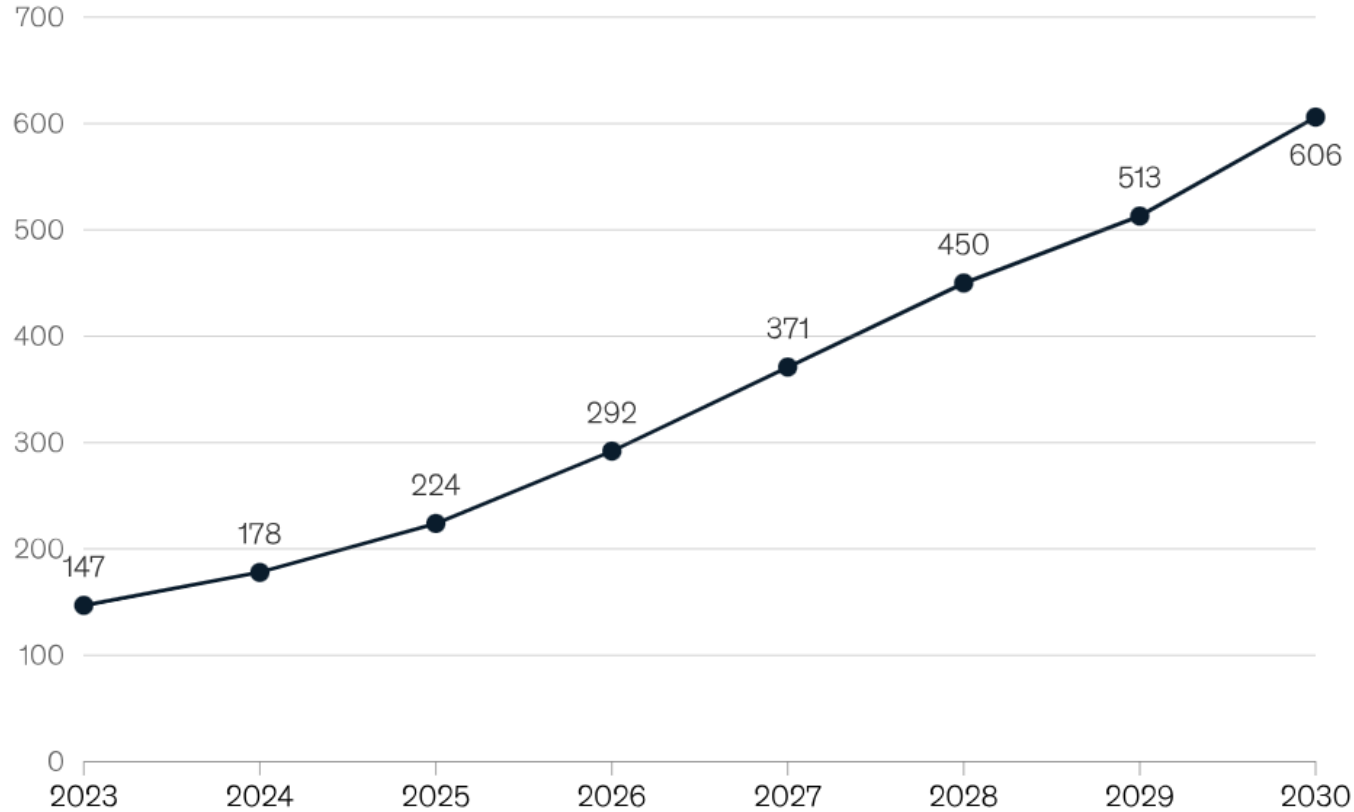
Datacenter Power Consumption

AI usage of Datacenters

Average Pricing for Datacenters

Terawatt-hours (TWh) of electricity demand, medium scenario

US data center energy consumption, TWh



Share of total US power demand, %

Year	Share of total US power demand (%)
2023	3.7
2024	4.3
2025	5.2
2026	6.5
2027	8.0
2028	9.3
2029	10.3
2030	11.7

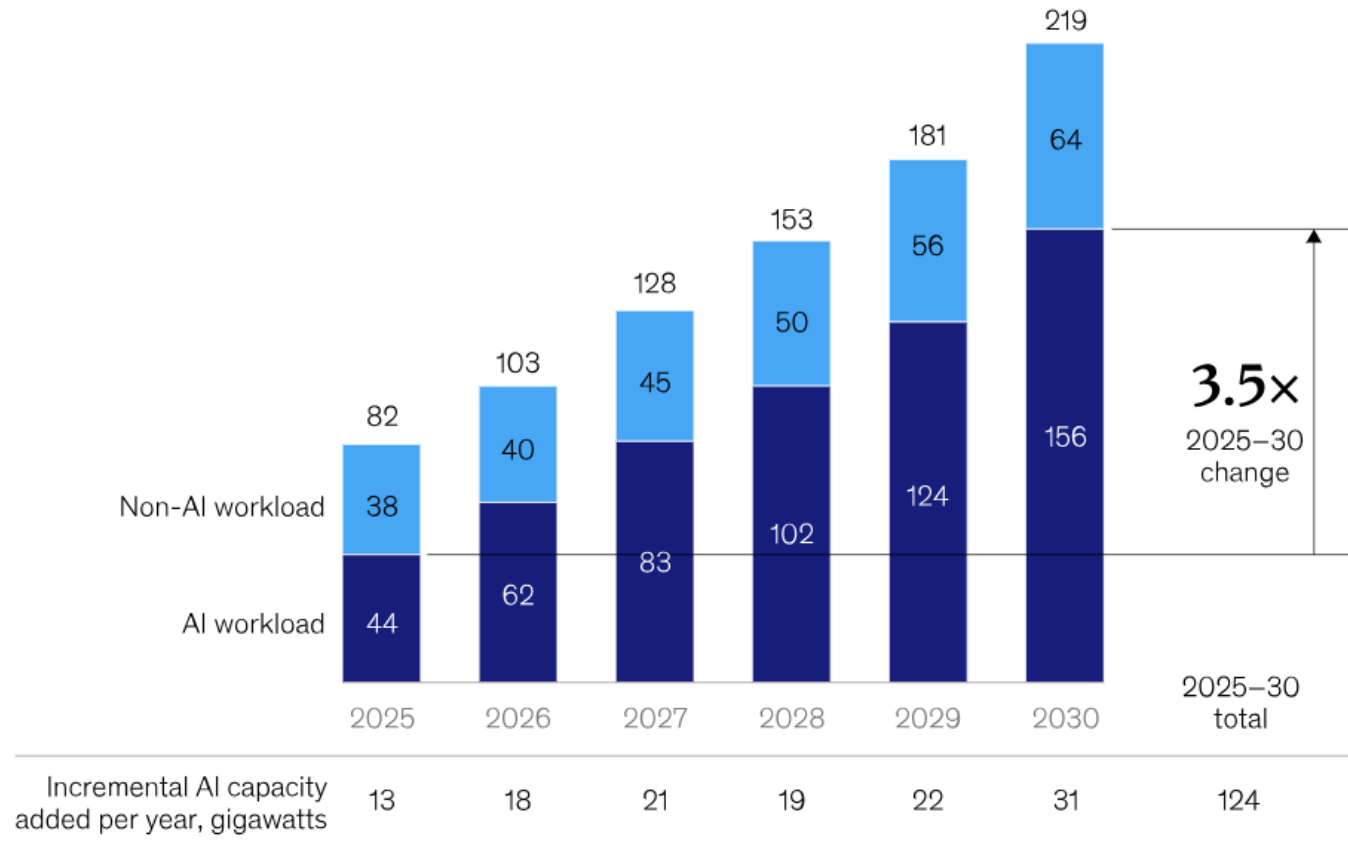
Source: *Global Energy Perspective 2023*, McKinsey, October 18, 2023; McKinsey analysis

[McKinsey Data Center Demand Model](#)



Both AI and non-AI workloads will be key drivers of global data center capacity demand growth through 2030.

Estimated global data center capacity demand, 'continued momentum' scenario, gigawatts



Note: Figures may not sum to totals, because of rounding.
 Source: McKinsey Data Center Demand Model; Gartner reports; IDC reports; Nvidia capital markets reports

[McKinsey Data Center Demand Model](#)

Pricing

Market rates for Datacenters is \$130-150 kwh/month + electric cost for grid power. Higher rates for captive power DC's¹.



Market rates for data center (DC) leasing based on length of lease



Financing available for servers and other computer components

Opportunity & Ask

Ask - 25 Million for acquisition
25 Million for operations

Opportunity

Ask - 25 Million for acquisition
25 Million for operations

- Sim Agro Inc has identified a number of power assets that can be purchased or controlled to develop a portfolio of captive power locations.
 - First target is a 55 MW powerplant along with 100+ acres and a 50,000 sqft datacenter ready warehouse. The company is under contract to purchase this one.
 - There are several more such assets that have been identified.
- The next phase is to enhance the power in these locations with natural gas and renewable natural gas to provide 150-200 MW of power per location.
- Expect to build out datacenter infrastructure along with captive power at each location with partners
- Need \$200-300 Million to do the first few locations. The need will increase as we add more assets and locations.
- These datacenter infrastructure with captive power will generate excess of \$50-100 Million annual revenues per location.

**Power
Plant**

***currently
under
LOI**



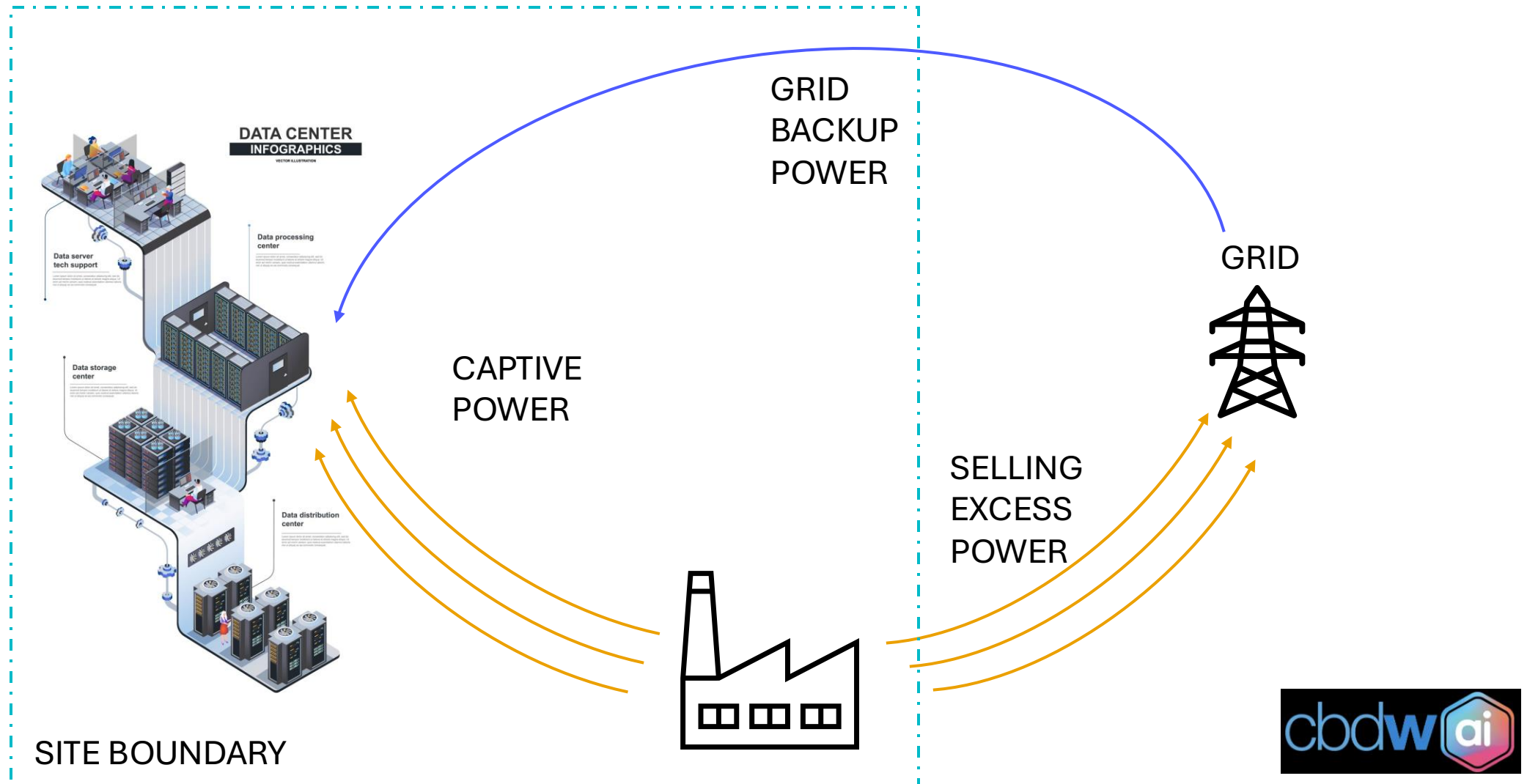
Power plant under LOI

- Phase 1 - Immediate
- 20 MW 24 x 7 readily available with 50,000 sqft of food grade warehouse with dehumidifier. Air cooled systems will be provided to cool the computers
- Two Options
 - We provide the space & power, and you bring the computers and servers for your needs
 - We provide space, power and servers and long-term lease for using the facilities
- Phase 2
- By Q3 2026, we can supply 70 MW 24 x7
- Options
 - 50 MW is green power
 - Redundant power source through the ERCOT grid
 - Additional data warehouse is possible if long term lease is signed

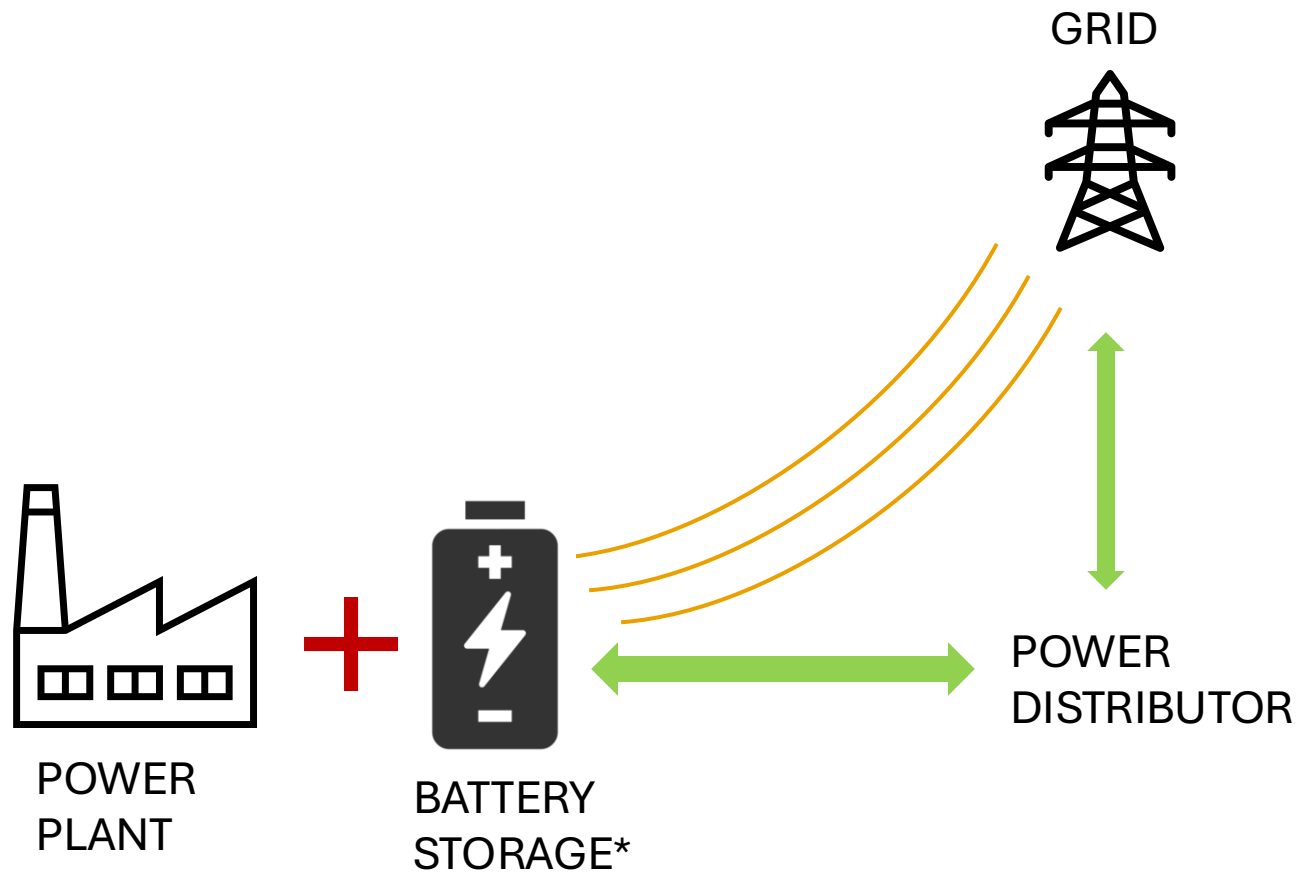


**Power
generation,
storage and
distribution**

Power Distribution for Collocated Datacenter



Selling Excess Power to the Grid



* - Will be implemented

Financials

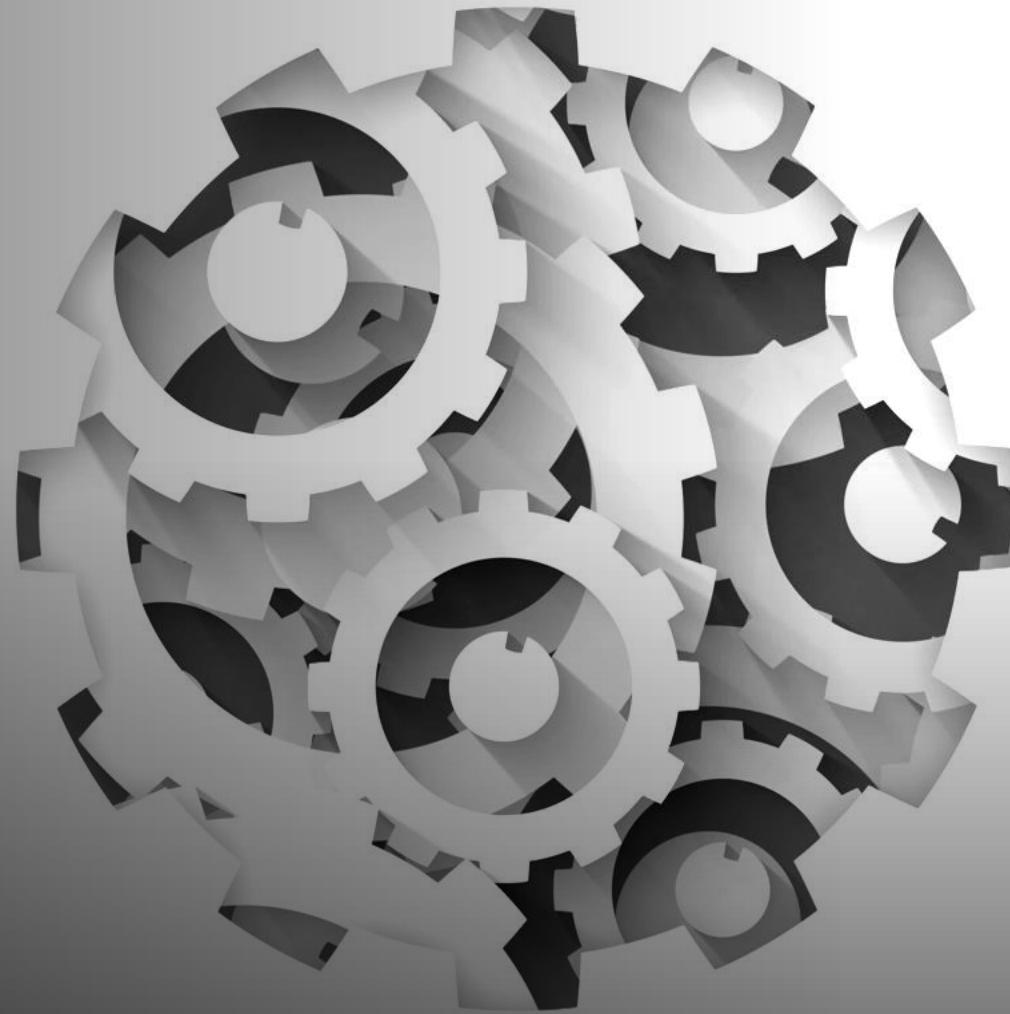


Projected Revenues
EBITDA

125,058	154,568	95,054	124,500
125,487	56,845	97,511	125,000
124,000	110,000	99,011	154,000
1450	150,000	99,216	95,000
	35,000	101,000	154,200
		101,684	110,000
		101,962	89,000
			50,000
			12,700

PROFORMA P&L (with the current plant under LOI)					
As on 31st Dec	2027	2028	2029	2030	2031
Months of operation	12	12	12	12	12
Installed Capacity (MW)	55	55	55	55	55
PLF	92%	92%	92%	92%	92%
Gross Generation at Assumed PLF (Million Units)	443	443	443	443	443
Less: Auxiliary Consumption	35	35	35	35	35
Less: Transmission loss	2	2	2	2	2
Net energy delivered (Million Units)	406	406	406	406	406
Tariff (US Vents/kWh)	15	15	15	15	16
Sale Revenue Million US\$	61	61	62	63	63
Operational Expenses					
Fuel Cost	10	10	10	10	10
O&M Charges	6	6	6	6	6
Water Charges	0.01	0.01	0.01	0.01	0.01
Secondary Fuel Charges	0.00	0.00	0.00	0.00	0.00
Total Cost	16	16	16	16	16
EBITDA (Million US\$)	45	46	46	47	48
CUMMULATIVE EBITDA	45	91	137	184	232

Global Power Projects



Biomass

Rice Husk

Waste-to-Energy



IND Bharat Energy (Orissa Alloy Steel Pvt Limited)

2 X 150 MW Thermal Power Plant | Tamil Nadu

- **SCOPE:** Engagement of Technical & Non-Technical Manpower for Operation & Maintenance of Power Plant including Boiler & Auxiliaries, Water Systems Including Fire Pumps, Ash Handling System, Turbine & Auxiliaries, Electrical Systems, Coal Handling Plant, Instrumentation & Control Systems, Switchyard and Fuel Oil Handling.
- **RESULT:** Achieved >90% Plant Load Factor (PLF) from March 2025 and Plant Availability Factor (PAF) > 95%



Biomass Power Plant – Inkotech
Gangneung, Republic of Korea

- First 9.95 MW biomass power plant in Korea, commissioned in March 2023
- Fired on wood pellets with a fluidized bed boiler
- Built to operate between -14°C and +37°C (winterized design)
- Achieved water and air emissions lower than EU norms; KESCO compliant

Tulsyan NEC Steel Plant

2 x 35 MW Captive Power Plant | Tamil Nadu

- **SCOPE:** Operation & Maintenance of Power Plant Covering Preventive/Break down Maintenance, IBR formalities and Plant Safety Procedures & Audit.
- **RESULT:** Achieved >95% Plant Load Factor (PLF) and Plant Availability Factor (PAF) > 98%



Bio Medical Waste-Based Plant – One Eco
Angang, Republic of Korea

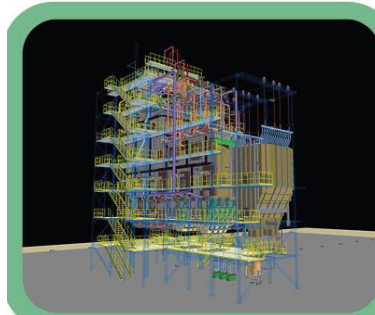
- 1x2.99 MW power project commissioned in May 2016
- Fired on biomedical/hospital waste
- Complete EPC delivery with safe waste-to-energy integration
- Designed to meet strict Korean environmental norms



The Ramco Cements Ltd

2 x 18 + 3 x 9 + 6 MW Thermal Power Plant | Andhra Pradesh

- **SCOPE:** Operation & Maintenance of Power Plant, Including 1 X 105 TPH AFBC Boiler & STG with 2 X 18 MW, 1 X 6MW, Plus 7 No's. WHR Boilers with 3 X 9 MW STG with Water/Air Cooled Condenser, along with their Auxiliaries, BOP & WTP, Overfeeding System of AFR, and Fire Fighting Equipment's
- **RESULT:** Achieved >95% Plant Load Factor (PLF) and Plant Availability Factor (PAF) > 98%. Reduced Auxiliary consumption



Waste Heat Recovery Boiler – Environ DI
United Kingdom

- Executed supply contract for Waste Heat Recovery Boiler with Dutch Incinerator
- 22.9 TPH Waste Heat Recovery Boiler delivered in the United Kingdom



Sarda Metals & Alloys Limited
Visakhapatnam, India

- 80 MW captive power plant with 309 TPH boiler
- Designed for pulverized fuel firing
- Tailored to meet the high energy demands of the ferro-alloy industry
- One-of-a-kind plant delivering stable and efficient captive power.



Power Plant at Surendra Mining Industries Pvt.
Bonai, Odisha, India

- 1×12 MW power plant, commissioned in March 2013
- Included 10 TPH WHR boiler + steam turbine with water-cooled condenser
- Executed with complete civil design, construction & DCS-based operation on EPC basis
- 33 kV switchgear with 1×15 MVA Generator Transformer & 2×2.5 MVA Distribution Transformers

Multi-fuel Power Plants at Abhishek Industries & Vardhman Fabrics
Punjab & Madhya Pradesh, India

- 2×130 TPH AFBC boilers (Abhishek Industries)
- 2×135 TPH AFBC boilers (Vardhman Fabrics)
- Designed to fire rice husk, lignite, and pet coke interchangeably
- In-house technology enabling flexible, sustainable energy generation



Power Plant at Sri Jagannath Steel & Power
Barbil, Odisha, India

- 1×30 MW Captive Power Plant, commissioned in two phases (2016 & 2018-19)
- In-house designed 37 TPH WHRB connected to 350 TPD DRI kiln
- 53.3 TPH WHRB connected to 500 TPD DRI kiln
- Both units collectively feed steam to a single Steam Turbine Generator



ITC Limited
Tribeni, West Bengal, India

- 1×72 TPH AFBC boiler with 1×12 MW extraction-cum-condensing steam turbine
- Executed within a compact 110 m × 70 m plant footprint inside the operating mill
- Over 350 bored piles designed and constructed entirely by EEPC
- Complete cogeneration system engineered for high reliability and continuous availability



Independent Power Plant at ISMT Limited
Chandrapur, Maharashtra, India

- 40 MW power plant, commissioned in December 2011
- Fired on F grade Indian coal and up to 65% biomass co-firing
- First Zero Discharge captive plant in India with tertiary RO + evaporation
- No effluent discharge to river bodies, compliant with MSPCB

Tulsyan NEC Limited
Gummidipoondi, Tamil Nadu, India

- 2×150 TPH CFBC boilers producing superheated steam @ 96 ata, 525°C
- Hot cyclone CFBC with provision to fire high-moisture Indonesian coal
- Designed to fire Indian coal, imported coal, washery rejects & dolochar
- 8-bay 110 kV switchyard with GTs, UATs & DTs for reliable grid integration



Power Plant at Kamachi Sponge Iron & Power Corporation
Gummidipoondi, Tamil Nadu, India

- 2×35 MW power plants, commissioned in 2011-2012
- Pioneered IEC61850 implementation via DCS
- 230 kV switchyard with 2 GTs, 2 UATs, 6 DTs & 4 km transmission line
- Among the few EPC plants in India with top exhaust STG + ACC



Contact

Austen Lambrecht

CEO

1606 Corp.

2425 E. Camelback Road

Suite 150

Phoenix, Arizona 85016

602-503-3279

Austen@1606corp.com

cdbw.ai

simagroinc.com

