

CLIENT RESULTS & SUCCESS STORIES

CASE STUDY : ADVISORY AND
CONSULTING SERVICE CAPABILITY
– D2I CUSTOM MODELS



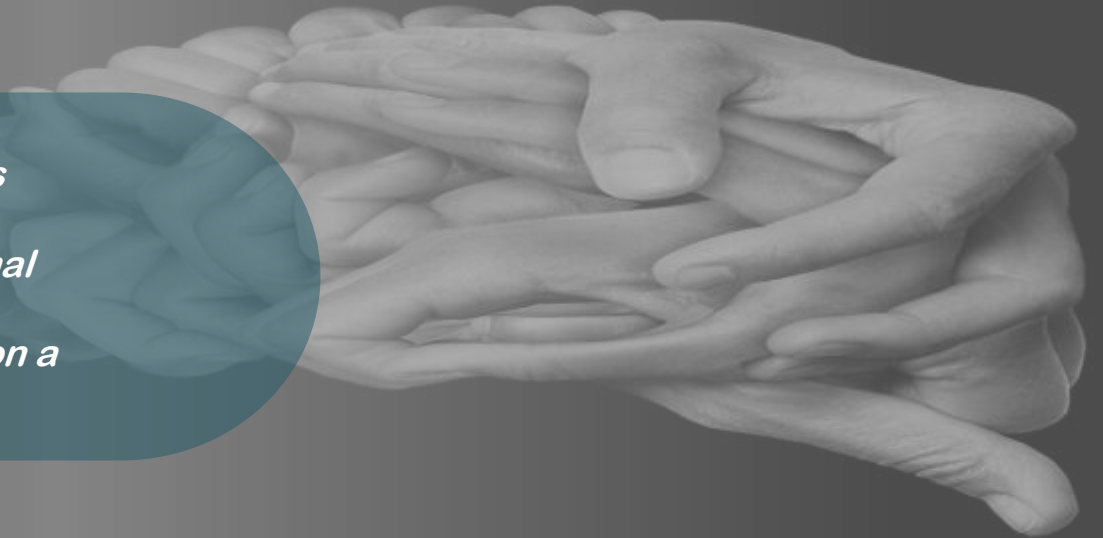
April, 2018

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About Client Success Story



“ D2I Model for internationally acclaimed client was custom designed to gauge the opportunity in decommissioning services for the obsolete thermal power assets in India. It was designed through multiple iterations and intense primary feed and on a regional split base ”



Client Introduction:

The client is a top ranked management consulting firm that serves a broad mix of private, public and social sector institutions. Client is a global major and is identified to render significant and lasting improvements for their clientele and realize their most important goals. Also, client is having an experience of over a century in assisting for lasting results in strategic turnaround projects for all facets of industry in India and rest of the world. Client also is known for studying different markets, trends, and emerging best practices in every industry and region, both locally and globally.

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Client's Issues, Challenges & Our Solution



Knowledge Synthesis

The custom Data2Information (D2I) models are designed on the very rationale to process the raw data into useful information through processes identified critical for client knowledge. Consequently our team finally synthesizes all process output to reach conclusions in way to produce logical wisdom.

Client Challenge 01:

Client was in need to assess the opportunity associated in decommissioning the thermal power assets in India which have gone obsolete and will be obsolete in another 10 years of time. The opportunity was to be assessed under different scenarios as per client specific requirement comprising of the split under activity wise cost for providing decommissioning services and the overall project indulgence expense analysis. This was done for the very purpose to engage the power project developers in decommissioning their obsolete assets.

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Enincon's Solution 01:

Our solution was aimed at rendering the client with opportunity having realistic estimates factoring every intricacy and nuance involved in the process of dismantling the thermal power units. This demanded a holistic understanding of the entire process fragmentation and a deep dive in each component wise split cost opportunity involved under each sub segment of the processes involved in dismantling. Our primary team touch based with all the value chain players involved in the intermittent process of dismantling, managing inventories for the waste generated and redeeming salvage value of the scrap generated. We collated and synthesized all the raw data run through pass filters of our vast industry knowledge and GRID experts to arrive to a logical D2I interface for which the sample is highlighted as below:

DISMANTLING THERMAL POWER PLANT COST STUDY UNIT WISE FOR NORTH REGION STATE ELECTRICITY BOARD'S COALESCE TPP & TO OBTAIN A MODEL FOR DEDOMING THERMAL POWER PLANTS IN INDIA

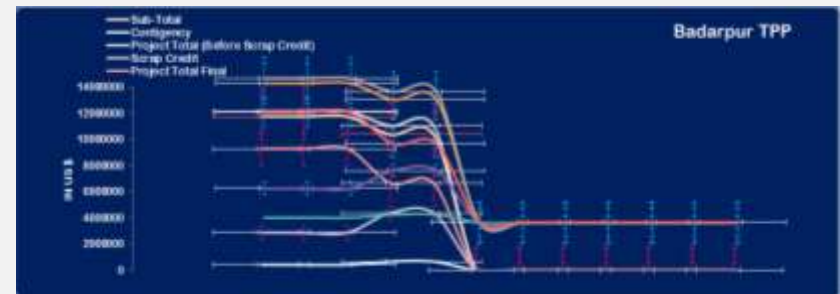
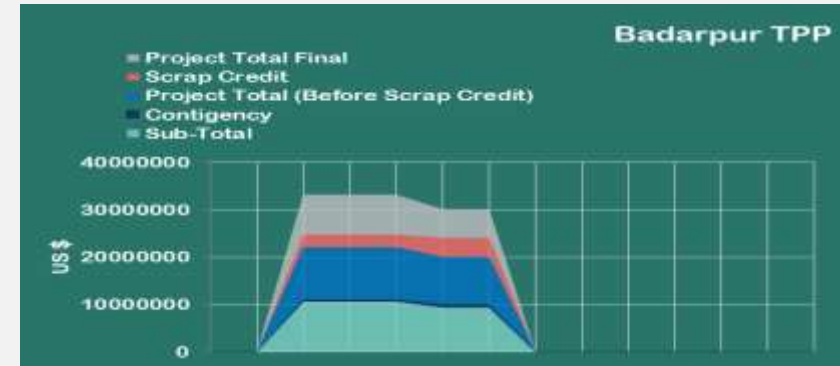
State: Solution Pac | Filter: Badarpur TPP

Region: Northern Region

Age Category: -> 25 Years - Plant Life

Dismantling Power Plant Cost Study - Summary of Activity Cost - CPSU

Activity	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12
Initial Job M/R Risk	11	11	11	23	21	192	192	192	192	192	192	192
Demolition Preparation	2194	2194	2194	7291	7291	192	192	192	192	192	192	192
Worker Access	2194	2194	2194	4979	4979	192	192	192	192	192	192	192
Subjective Evaluation	2194	2194	2194	1824	1824	192	192	192	192	192	192	192
Equipment Entry	2194	2194	2194	192	192	192	192	192	192	192	192	192
Block (I)	192	192	192	192	192	192	192	192	192	192	192	192
Structure Demolition	1229	1229	1229	1229	1229	192	192	192	192	192	192	192
Structural Reinforcing	1229	1229	1229	1229	1229	192	192	192	192	192	192	192
Structural Reinforcing	1229	1229	1229	1229	1229	192	192	192	192	192	192	192
Utility Management Overight	1229	1229	1229	1229	1229	192	192	192	192	192	192	192
Demolition Contractor Management/Supervisory	1229	1229	1229	1229	1229	192	192	192	192	192	192	192
Quantity	1229	1229	1229	1229	1229	192	192	192	192	192	192	192
Project Expenses												
Stand By/ary Equipment/Operating Expenses	2194	2194	2194	2194	2194	192	192	192	192	192	192	192
Small Tool Allowance	192	192	192	192	192	192	192	192	192	192	192	192
Utility Allowance (Offsite Equipment etc.)	1229	1229	1229	1229	1229	192	192	192	192	192	192	192
Permit	192	192	192	192	192	192	192	192	192	192	192	192
Demolition Contractor License	1229	1229	1229	1229	1229	192	192	192	192	192	192	192
Demolition Contractor Fee	1229	1229	1229	1229	1229	192	192	192	192	192	192	192



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Client Challenge 02:

Another unique challenge which the client posted in front of our team was to estimate the assets of privately owned projects and of State electricity boards which potentially offers a business case for the CPSU's to be under strategic acquisition which shall be later dismantled for establishing super critical units. The said exercise was supposed to be done in order to have a full cost breakdown for boiler house demolition, turbine house demolition, industrial demolition, chimney & cooling tower demolition etc. on per unit basis for the installed power capacity of thermal power plants identified as per case scenario basis.

Enincon's Solution 02:

The solution to this challenge involved rigorous simulation and in-depth understanding of the intermittent cost matrix involved. The key was to identify such projects which are not sustainable under two major filtering criterion namely the financials of the developers and the demand scenario coupled with the carbon emission factor. We developed a cost matrix based upon each process, for instance depending on the value of the property and the extent of contamination, a site may be remediated to conditions that suit different types of development. For example, remediation costs may be prohibitive for restoring land to a "greenfield" (pre-project) condition where residential development might occur. In such cases, plant owners may choose to restore the site to "brownfield" condition, suitable for development of an industrial facility or repowering.

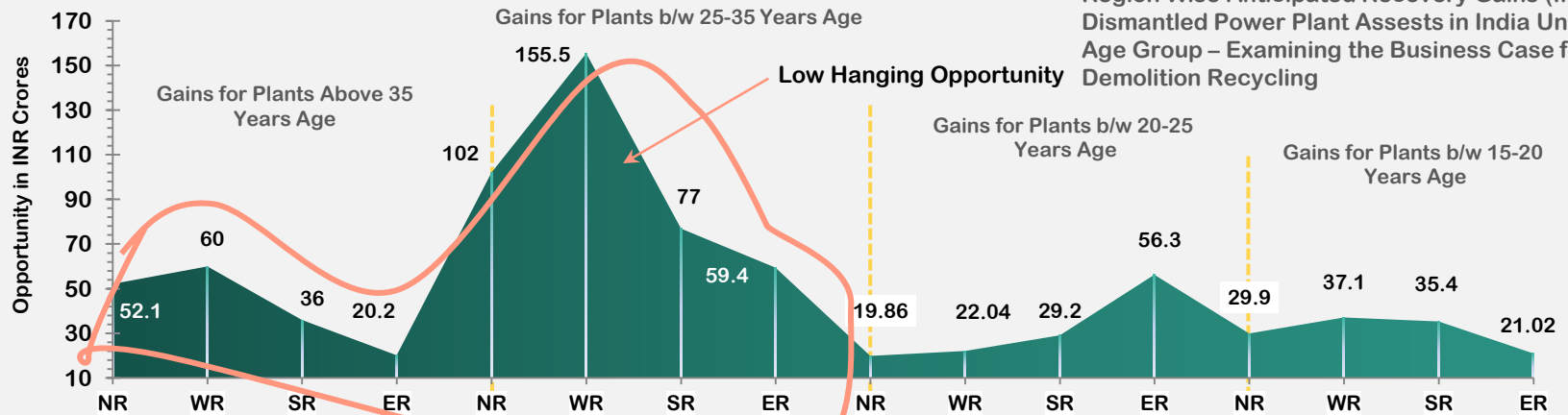


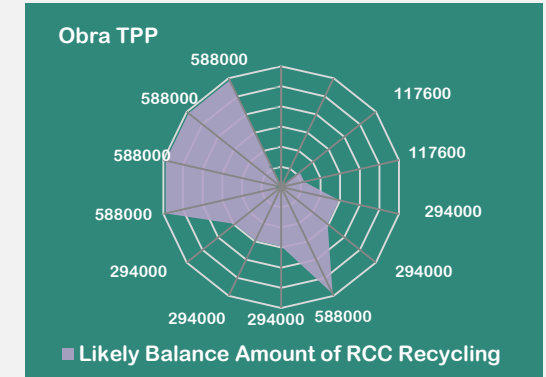
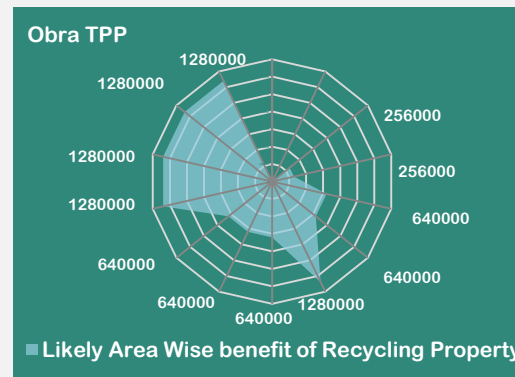
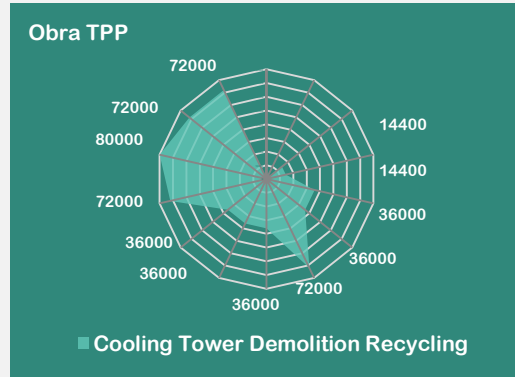
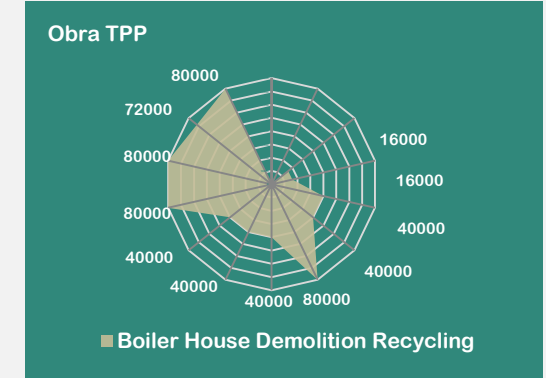
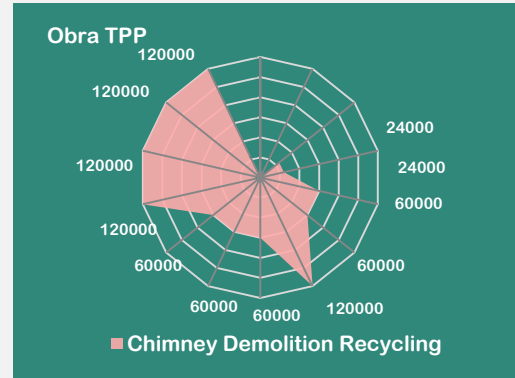
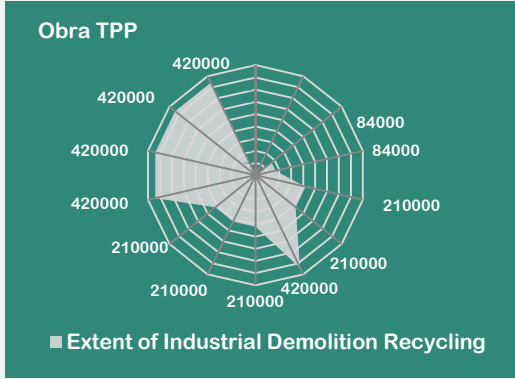
Exhibit 01
Region Wise Anticipated Recovery Gains (INR) from Dismantled Power Plant Assets in India Under Different Age Group – Examining the Business Case from Industrial Demolition Recycling

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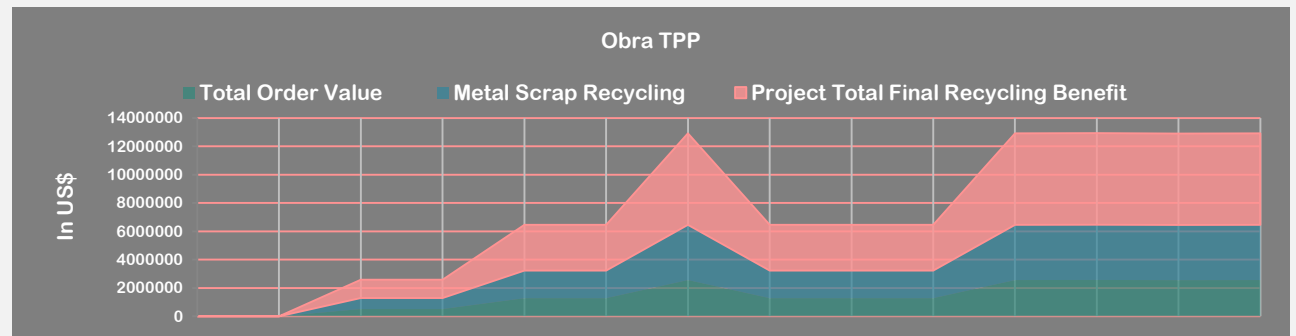
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Exhibit 02
Anticipated Recovery Gains (USD) from Likely to be Dismantled Power Plant Assests in India Under Different Age Group – Examining the Business Case for Obra Thermal Power Plant in Uttar Pradesh



Source: enincon D2I Tool (Decommissioning)





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Happiness does not come from doing easy work but from the afterglow of satisfaction that comes after the achievement of a difficult task that demanded our best

- Theodore Isaac Rubin

