

CASE STUDY : FUEL CONVERSION

RETROFIT 500KVA CUMMINS KTA-19 DIESEL GENERATOR INTO DUAL FUEL GENERATOR IN TEXTILE MANUFACTURING FACILITY

CLIENT: ABHITEX INTERNATIONAL
FACILITY: TERRY TOWELLING UNIT
LOCATION: PANIPAT, HARYANA

THE NUMBERS

TOTAL SAVINGS IN YEAR 1: ₹ 6.17 LAKHS

NO_x EMISSION REDUCTION: 58%

CO₂ EMISSION REDUCTION: 6.8 TONS

AVG. SAVINGS PER kWh: ₹ 4.92



“Energeia has helped us reduce our diesel fuel consumption by 28%”

Abhishek Paliwal, Director, Abhitex International

CLIENT

- A textile manufacturer with annual revenues exceeding \$64 Million and over 4,000 employees, Abhitex International has begun its journey to sustainability with a fuel conversion project
- Abhitex International faces a power cut for ~ 400 hours in year. During the power cut, they had to rely on the expensive and polluting Diesel Generators for continuing their production
- Number of opportunities to decrease costs and emissions of onsite Energy and Heat production processes. Limited access to Natural Gas based technologies and CAPEX limitations prevent client from exploring these opportunities
- Energeia converted one 500 kVA Diesel Generator to a Dual Fuel Generator, lowering annual operational fuel costs by ₹ 6.17 lakhs (28.1%)