

Case Study

Tadweer - Scrap City, Riyadh, Ph - 1 & 2



When: 2023

Where: Riyadh, KSA

Client Brief: Metal scrap segregation and shredding plant.

Equipment: Supplied 6 x 1,250 kVa generator sets to balance of the plant.

Solution: The installation of generator sets was executed with precision, ensuring a seamless transition and integration into the existing infrastructure. Our technical team coordinated closely with the plant's operations team to minimize downtime during installation.

Continuous Power Supply: The 6 MW power plant has provided a consistent and reliable power supply since its commissioning. This continuous power is vital for the operation of shredders and conveyors, which are essential for the metal scrap segregation and shredding processes.

Operational Efficiency: The power plant has been instrumental in maintaining high operational efficiency at the scrap yard. The robust design and reliable performance of the generators have ensured that the shredding and segregation processes operate without interruptions.

High-Quality Equipment: The supplied generators, along with power transformers, distribution boxes, and the fuel system, are of the highest quality, ensuring durability and long-term reliability. This high-quality equipment has contributed significantly to the overall success of the power plant.

Effective Power Management: The integration of power transformers and distribution boxes has allowed for effective power management across the plant. This ensures that power is distributed evenly and efficiently to all critical machinery, preventing overloads and ensuring smooth operations.

Fuel System Reliability: The comprehensive fuel system installed as part of the solution ensures a steady supply of fuel to the generators. This is crucial for maintaining uninterrupted power supply, especially during peak operational periods.

Environmental and Economic Impact: The new power plant has improved fuel efficiency and reduced emissions compared to older systems. This not only contributes to a more environmentally friendly operation but also results in cost savings on fuel consumption.

Long-Term Benefits: The successful commissioning of this power plant sets a strong foundation for long-term operational success at the scrap yard. The reliable power supply will enable the plant to maintain high productivity levels, meet production targets, and support future expansion plans.

Result: The 6 MW power plant supplied and installed for the metal scrap segregation and shredding plant has proven to be a highly effective solution. The combination of high-quality generators, power transformers, distribution boxes, and a reliable fuel system has ensured continuous and efficient power supply. This project highlights our capability to deliver robust and reliable power solutions tailored to the specific needs of industrial operations. The successful commissioning and ongoing performance of the power plant have significantly enhanced the operational efficiency and productivity of the scrap yard, ensuring long-term success and client satisfaction.

The client has expressed high satisfaction with the performance of the power plant. The uninterrupted power supply has met their operational needs effectively, contributing to the overall success of the metal scrap segregation and shredding plant.

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