

Purposes

The Ailesh Dashboard provides insights into emissions, energy consumption, and resource utilization to support environmental sustainability and operational efficiency.

User Guide

- Use the **Sector filter** to view data specific to different sectors.
- Use the **Area filter** to view data specific to different areas.

Data Source

Database

Oil & Gas Distribution

Power Plant

Mining

Matrics Definition

- **Total Emission** : The sum of all CO2, SOx, NOx, and other emissions in kg.
- **Energy Consumption** : Total energy used, measured in kWh.
- **Top Contributors to CO2 Emissions** : The area that contribute the most to CO2 emissions
- **CO2 Emissions by Unit Process** : The amount of CO2 emissions generated by each unit process
- **Largest Emissions by Output Type** : The largest emissions categorized by output
- **Most Used Materials by Input Category** : The materials that are most frequently used within each input category
- **Input and Output Amounts by Category** : The total amounts of inputs and outputs by category
- **Emissions to Air by Unit Process** : The emissions released into the air by each unit process
- **Lube Oil Waste by Unit Process** : The amount of lube oil waste generated by each unit process
- **Emission Comparison Across Sectors** : The comparison of the emissions across different sectors to understand which sectors contribute most to environmental pollution.

Total Emission
58,0 T

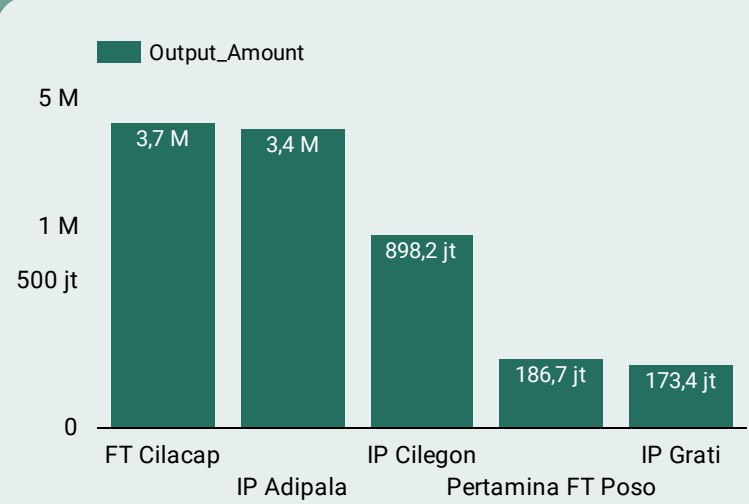
CO2 Emission
8,6 M

SOx Emission
297,5 rb

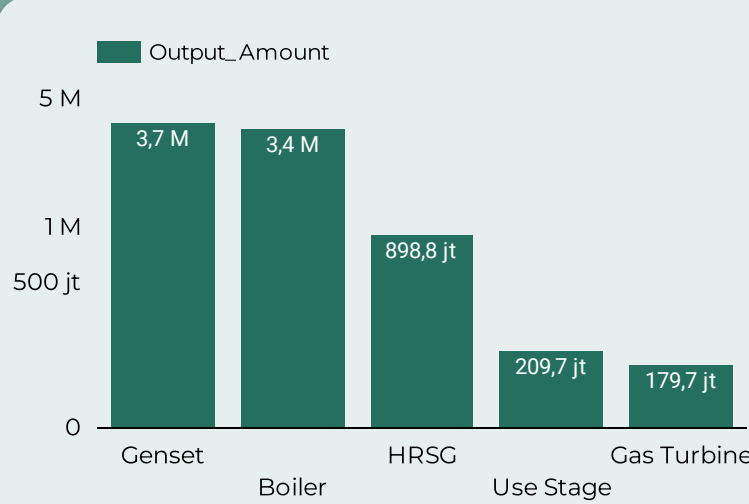
NOx Emission
28,6 jt

Energy Consumption
2,7 T

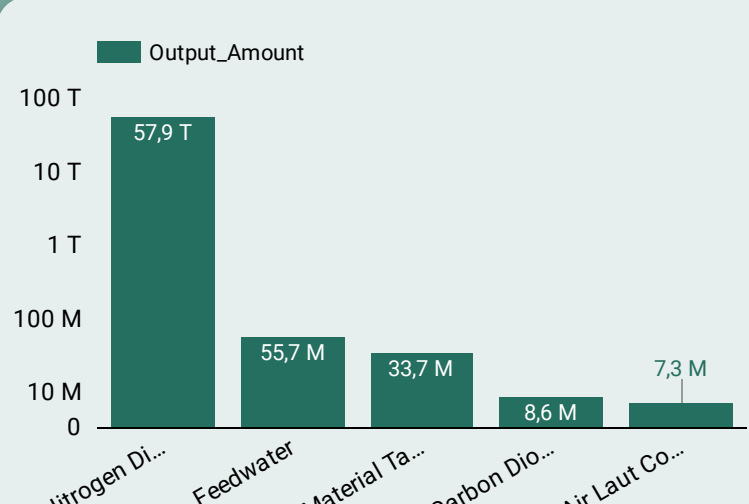
Top Contributors to CO2 Emissions



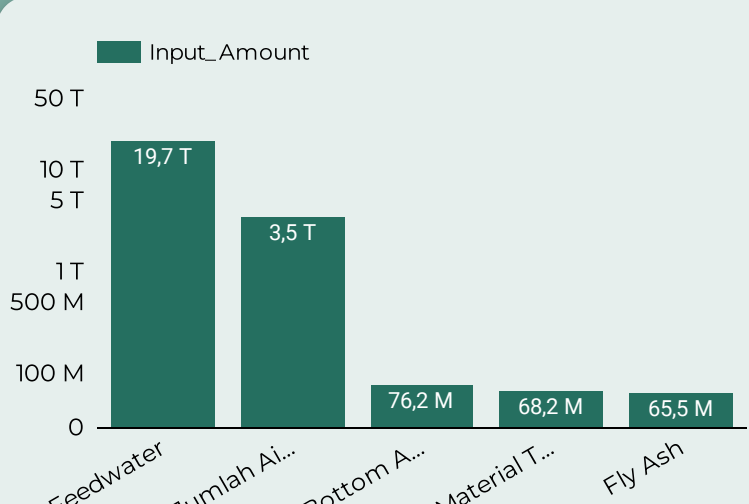
CO2 Emissions by Unit Process



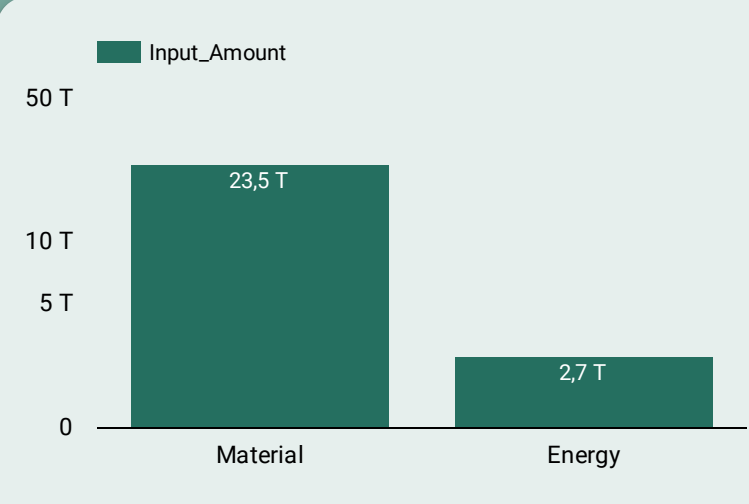
Largest Emissions by Output



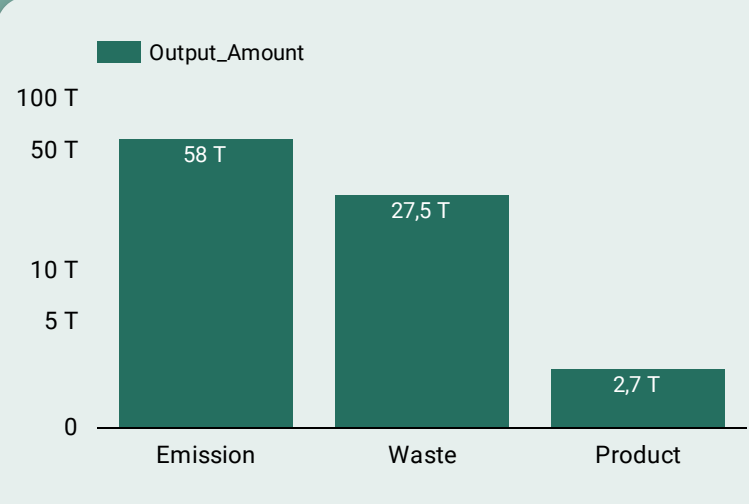
Most Used Materials by Input



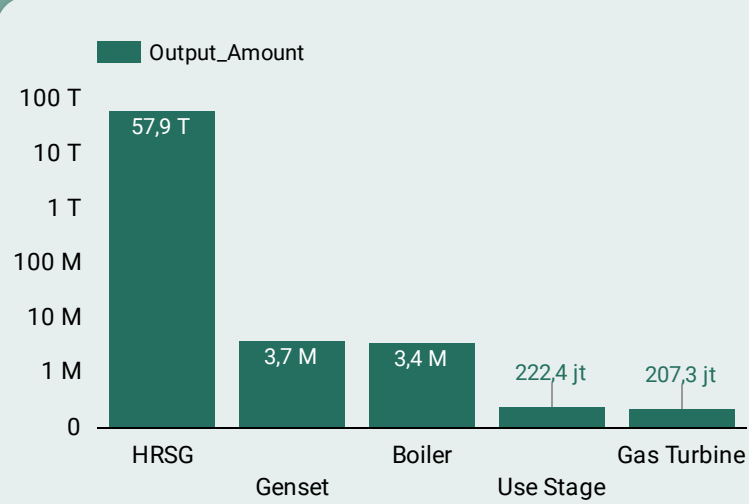
Input Amounts by Category



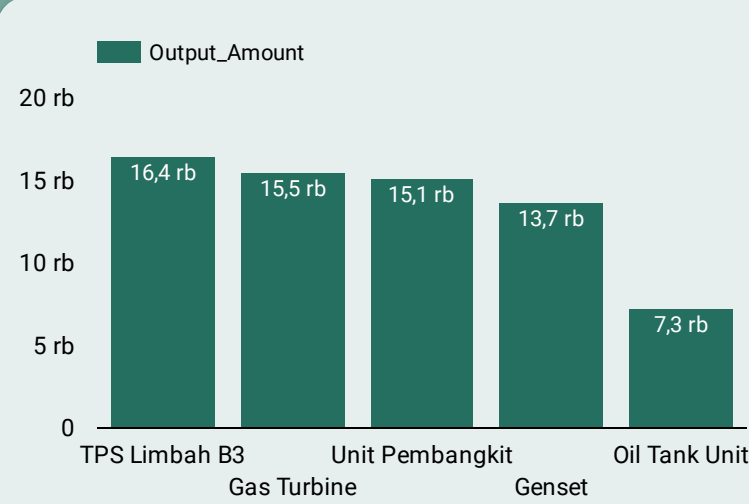
Output Amounts by Category



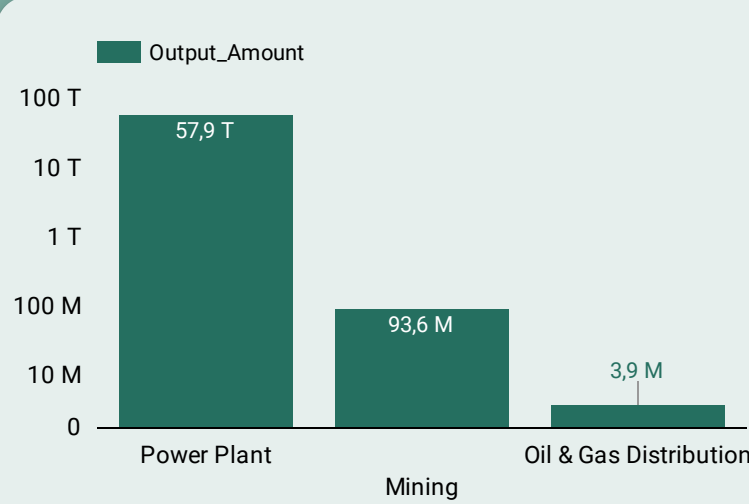
Emissions to Air by Unit Process



Waste Lube Oil by Unit Process



Emission Comparison Across Sectors



Tabel Input

	Sector	Area	Unit_Process	Input_Catego...	Input	Input_Amoun...
1.	Power Plant	IP Saguling	Trash Rack	Material	Jumlah Air Masuk (Dam & Reservoir)	3.530.000.000...
2.	Power Plant	IP PB Soedirman	Dam	Material	Feedwater	3.010.021.600....
3.	Power Plant	IP PB Soedirman	Extraction of Water	Material	Feedwater	3.010.000.000....
4.	Power Plant	IP PB Soedirman	Main & By Pass Valve	Material	Feedwater	2.570.000.000...
5.	Power Plant	IP PB Soedirman	Turbine	Material	Feedwater	2.570.000.000...
6.	Power Plant	IP PB Soedirman	Trash Rack	Material	Feedwater	2.570.000.000...

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Tabel Output

	Sector	Area	Unit_Process	Output_Cate...	Output	Output_Amo...
1.	Power Plant	IP Cilegon	HRSG	Emission	Nitrogen Dioxide (NO2)	57.854.463.759...
2.	Power Plant	IP Saguling	Dam and Reservoir	Waste	Jumlah Air Masuk (Dam & Reservoir)	3.530.000.000...
3.	Power Plant	IP PB Soedirman	Extraction of Water	Waste	Feedwater	3.010.000.000....
4.	Power Plant	IP PB Soedirman	Dam	Waste	Feedwater	3.009.021.600....
5.	Power Plant	IP PB Soedirman	Power Intake	Product	Feedwater	2.570.000.000...
6.	Power Plant	IP PB Soedirman	Penstock	Waste	Feedwater	2.570.000.000...

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