

# Executive Overview — Maintenance Performance

Downtime, Cost, and Reliability Trends

Total Downtime (Hours)

6.0K

Total Maintenance Cost

Rp41.8bn

MTTR (HOURS)

2.6

Site

All

Period (Year-Month)

All

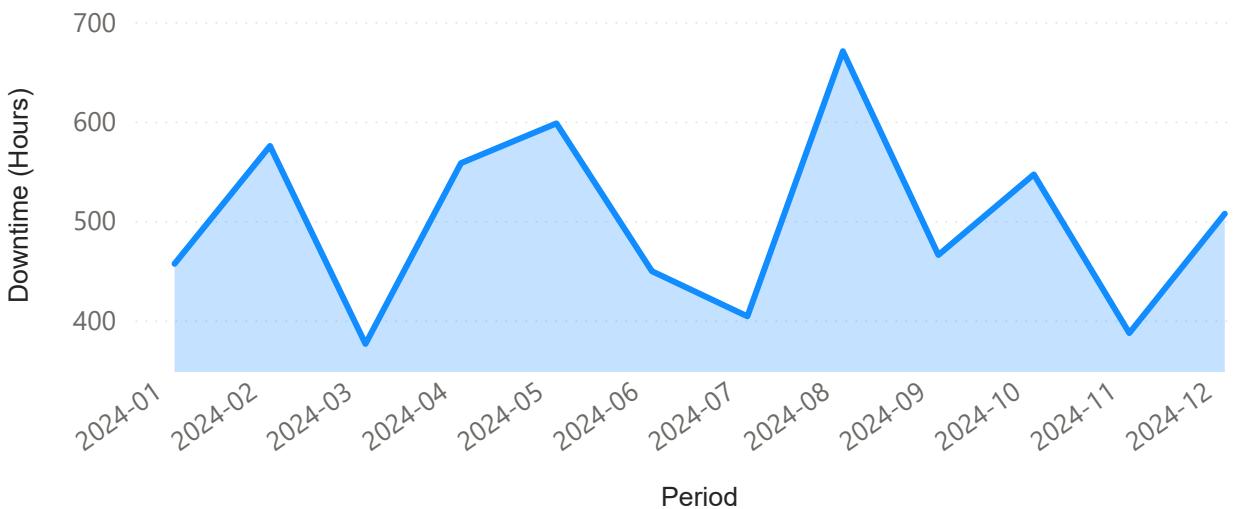
High Risk Equipment

50

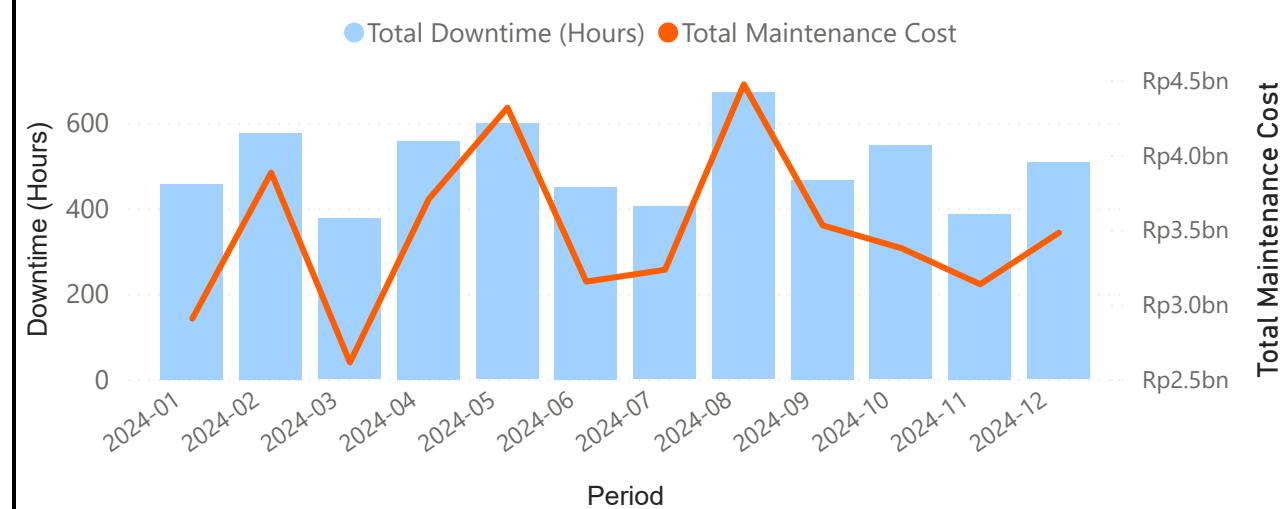
Downtime MoM %

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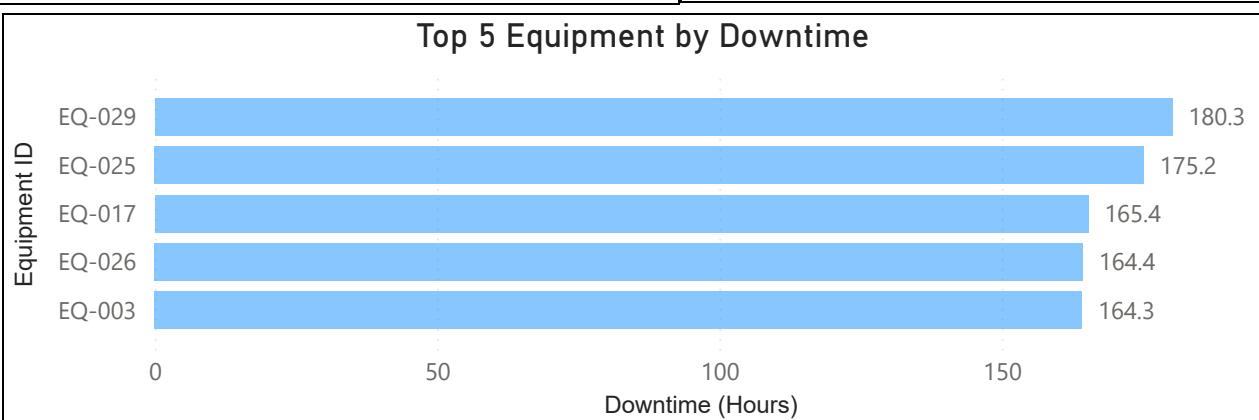
Downtime Trend



Downtime vs Maintenance Cost Trend



Top 5 Equipment by Downtime



## Maintenance & Operations Details

Detailed view to support maintenance prioritization and cost control

Total Work Orders

**2K**

Total Repair Hours

**6.48K**

Cost per Work Order

**Rp16.8M**

Site

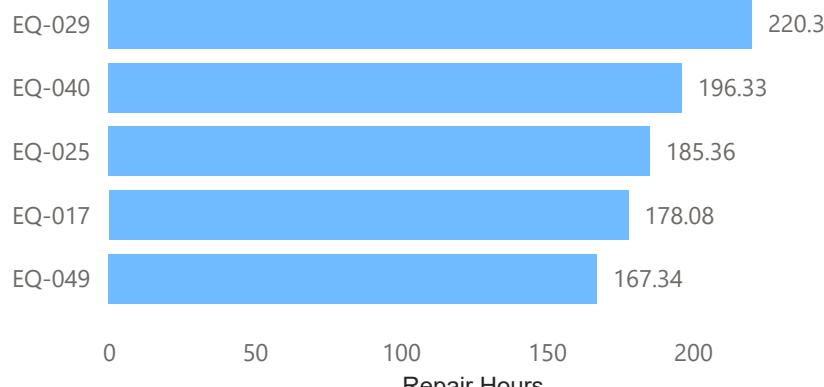
All

Period (Year-Month)

All

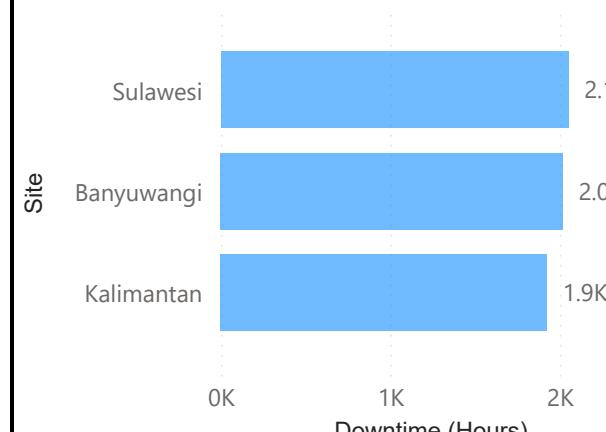
### Top 5 Equipment by Repair Hours

Equipment requiring the highest maintenance effort in the selected period



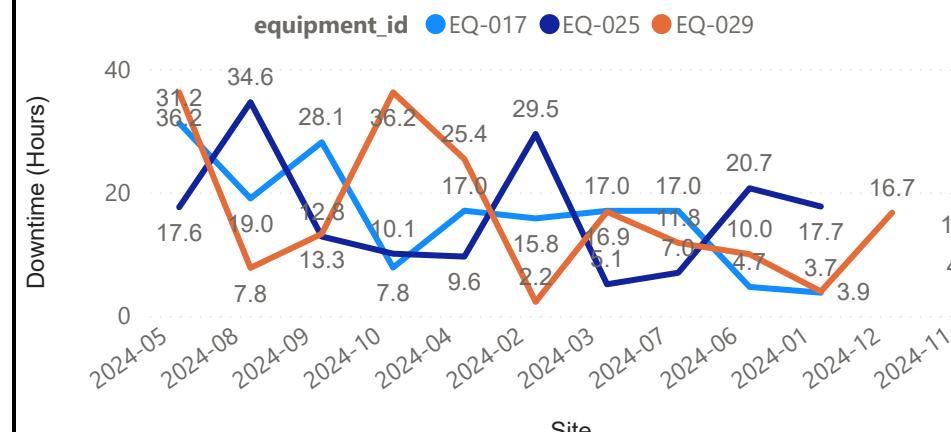
### Downtime by Site

Total downtime impact across operational sites



### Downtime Trend — Top 3 Equipment

Automatically ranked based on total downtime in the selected period



### Maintenance Operational Details

equipment_id	site	Total Downtime (Hours)	Total Maintenance Cost	MTTR	Cost per Downtime Hour
EQ-025	Banyuwangi	89.8	Rp446,934,649.0	4.2	4978663.8
EQ-003	Sulawesi	84.5	Rp325,038,300.0	2.7	3847973.2
EQ-029	Kalimantan	81.3	Rp475,336,148.0	2.5	5845255.1
EQ-028	Kalimantan	78.9	Rp290,346,277.0	2.8	3681794.0
EQ-011	Banyuwangi	71.5	Rp371,988,936.0	2.2	5204098.2
EQ-017	Banyuwangi	70.9	Rp287,561,570.0	4.8	4058165.0
EQ-008	Kalimantan	70.6	Rp438,948,017.0	3.2	6216513.5
EQ-045	Banyuwangi	70.5	Rp547,323,554.0	2.4	7760152.5
EQ-034	Sulawesi	69.7	Rp433,167,767.0	2.6	6212962.8
<b>Total</b>		<b>5995.1</b>	<b>Rp41,794,346,157.0</b>	<b>2.6</b>	<b>6971464.2</b>

### Maintenance Workload & Efficiency

equipment_id	site	Total Work Orders	Total Repair Hours	Cost per Work Order	MTBF
EQ-017	Sulawesi	35	65.36	Rp16,563,981.5	1.8
EQ-045	Banyuwangi	35	84.71	Rp15,637,815.8	2.0
EQ-022	Banyuwangi	32	95.72	Rp13,863,865.8	2.0
EQ-029	Sulawesi	32	93.19	Rp13,382,450.4	2.0
EQ-011	Banyuwangi	31	67.31	Rp11,999,643.1	2.3
EQ-046	Sulawesi	31	57.63	Rp13,016,117.7	2.2
EQ-029	Kalimantan	30	74.82	Rp15,844,538.3	2.7
EQ-047	Banyuwangi	29	77.53	Rp13,020,186.5	1.7
EQ-032	Sulawesi	28	62.30	Rp15,338,035.3	2.4
<b>Total</b>		<b>2484</b>	<b>6483.10</b>	<b>Rp16,825,421.2</b>	<b>2.4</b>

# RCA & Risk Analysis

Identifying key failure drivers and their impact on downtime and maintenance cost

Site

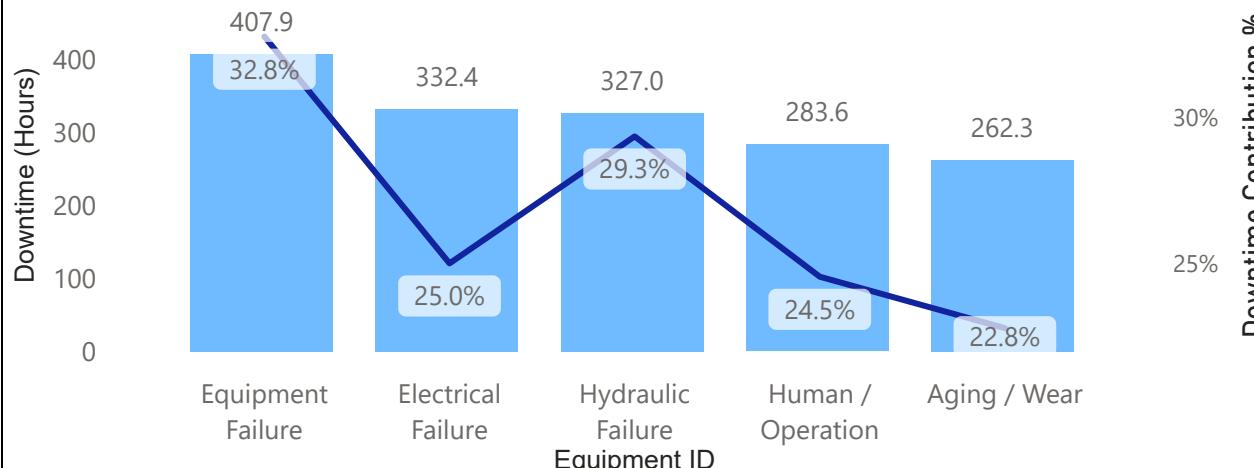
All

Period (Year-Month)

All

Downtime Pareto by Failure Group

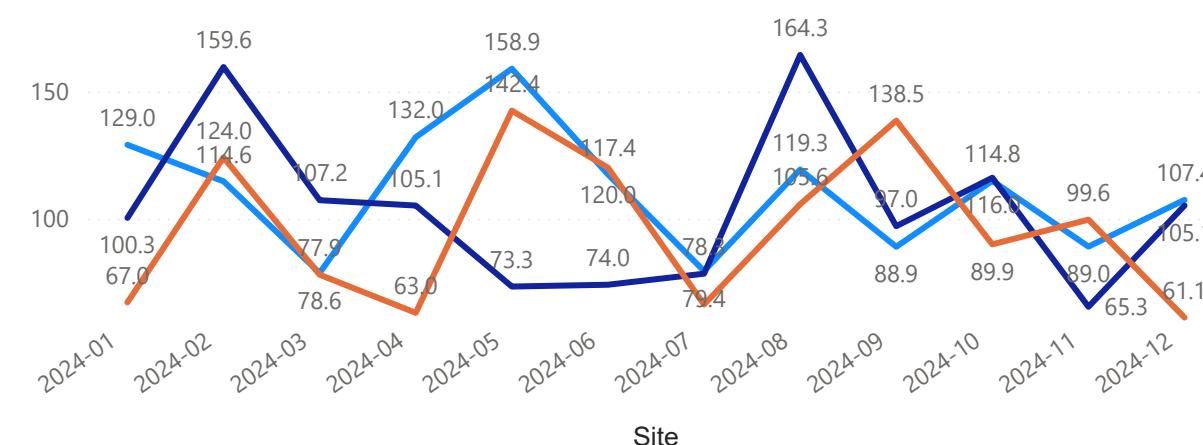
Total Downtime (Hours) ● Downtime Contribution %



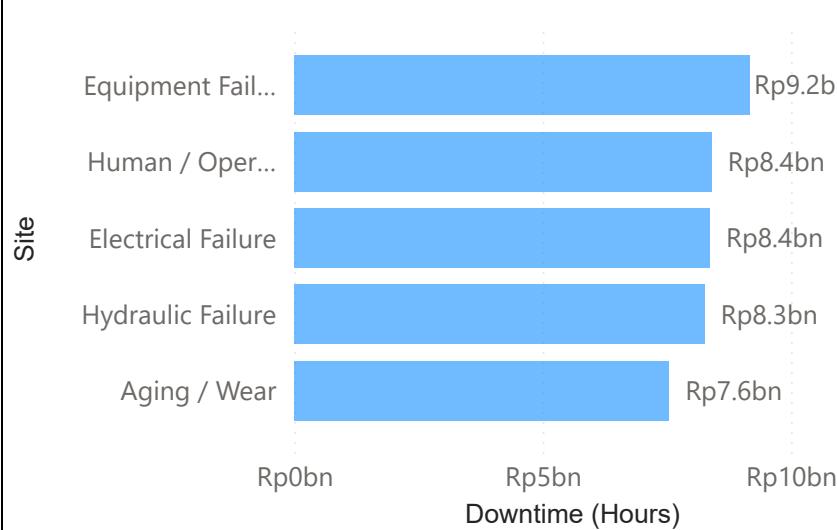
Downtime Trend by Failure Group

Trend of the top 3 failure drivers contributing the highest downtime

failure\_group ● Electrical Failure ● Equipment Failure ● Human / Operation



Top 5 Failure Groups by Maintenance Cost



Root Cause Analysis Details

Failure reasons and impact metrics to support corrective actions

failure_group	reasons	equipment_id	site	Total Downtime (Hours)	Total Maintenance Cost	Cost per Downtime Hour	MTBF
Equipment Failure	Kerusakan fisik atau mekanis pada komponen utama alat	EQ-026	Sulawesi	46.7	Rp242,305,145.0	5186325.9	4.2
Equipment Failure	Kerusakan fisik atau mekanis pada komponen utama alat	EQ-032	Sulawesi	40.5	Rp181,518,734.0	4485266.5	2.5
Electrical Failure	Gangguan sistem kelistrikan, sensor, atau panel kontrol	EQ-003	Sulawesi	38.6	Rp102,805,676.0	2661291.1	7.7
<b>Total</b>				<b>5995.1</b>	<b>Rp41,794,346,157.0</b>	<b>6971464.2</b>	<b>2.4</b>