



From CNC Machine to Cloud Intelligence

IVS Factory Intelligence — End to End

Swipe to see the full platform →

Live Floor View

Every machine. One screen. Right now.

IVS Factory Intelligence — Live Floor View

Average OEE

71%

Plant OEE %

Total Parts Today

13K

Total Parts

Active Alarms

162

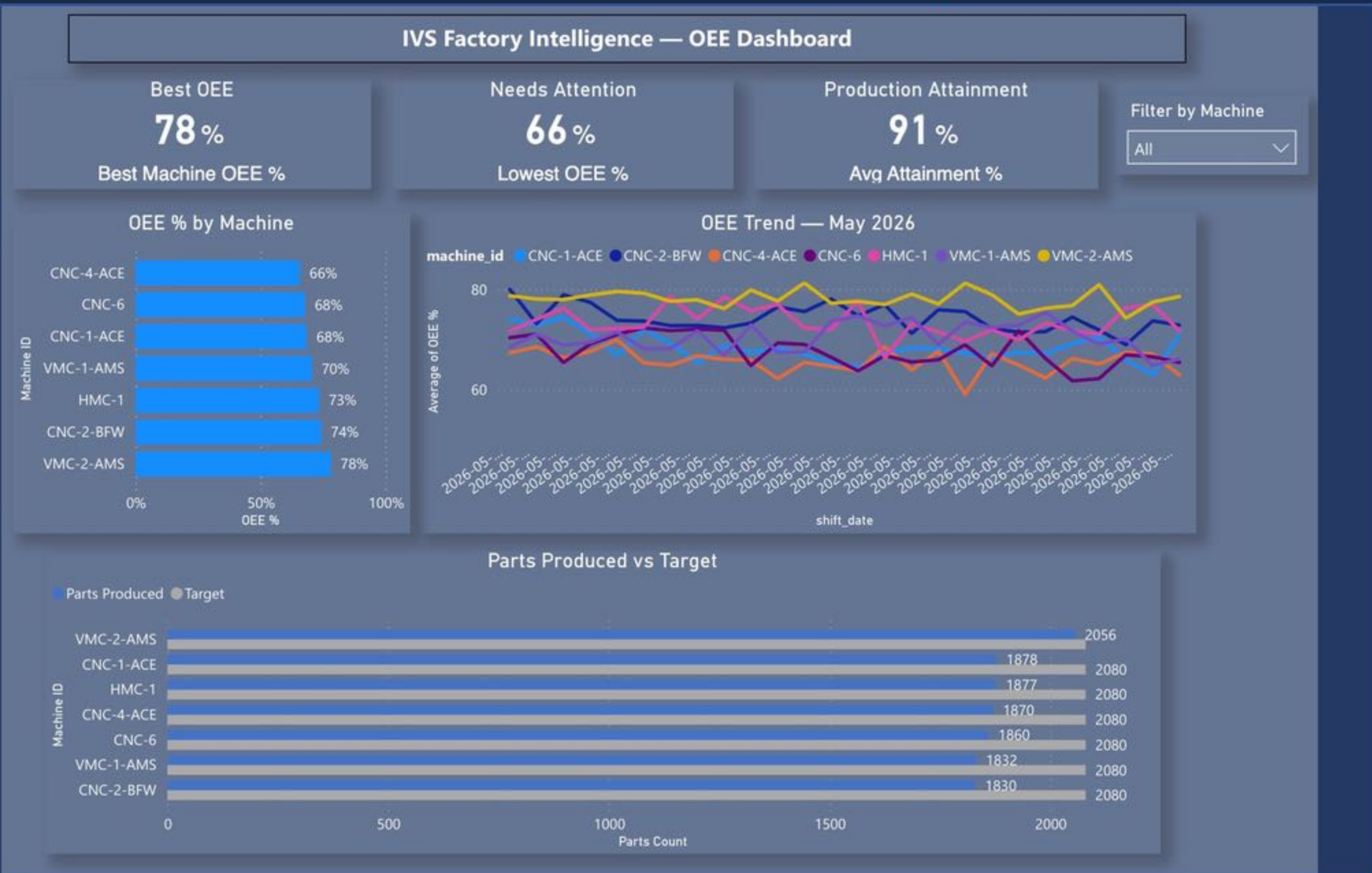
Total Alarms

machine_id	Type	Status	OEE %	Parts Produced	Alarms	Downtime (min)	Feed Compliance %
VMC-2-AMS	VMC	RUNNING	78.10	2056	19	843	94%
CNC-2-BFW	CNC	ALARM	74.20	1830	26	849	95%
HMC-1	HMC	RUNNING	73.40	1877	25	1124	94%
VMC-1-AMS	VMC	RUNNING	70.50	1832	28	734	94%
CNC-1-ACE	CNC	IDLE	68.40	1878	23	1041	95%
CNC-6	CNC	IDLE	67.70	1860	23	1314	94%
CNC-4-ACE	CNC	RUNNING	65.70	1870	18	1115	94%
Total			71.14	13203	162	7020	94%

- Plant OEE 71% | 13,203 parts produced | 162 active alarms
- RUNNING / IDLE / ALARM — colour coded, visible from any browser
- CNC-2-BFW on ALARM — owner sees it before anyone calls

OEE Dashboard

Which machine needs attention today?



- Best: VMC-2-AMS 78% | Worst: CNC-4-ACE 66% — 12% gap
- Production attainment: 91% of monthly target across 7 machines
- Daily OEE trend — 26 days, 2 shifts, all automatic

Shift Report — Automatic

Zero manual entry. Every shift. Every machine.

IVS Factory Intelligence — Shift Report

Avg Cycle Time (min)

5

Avg Cycle Time (min)

Avg Feed Compliance %

94%

Avg Feed Compliance %

Total Available Hours

2548

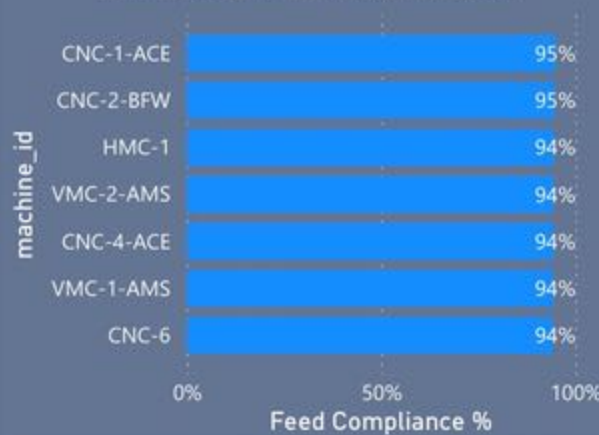
Total Available Hours

Filter by Machine

All



Feed Compliance % by Machine



Cycle Time Trend



Shift Detail Table

machine_id	shift_date	shift_no	Running (hrs)	Idle (hrs)	Alarm (hrs)	Cycle Time (min)	Feed Compliance %
CNC-1-ACE	2026-05-01	1	4.85	0.83	1.32	4.40	96%
CNC-1-ACE	2026-05-01	2	4.58	0.58	1.84	3.80	95%
CNC-1-ACE	2026-05-02	1	5.04	0.66	1.30	5.90	97%
CNC-1-ACE	2026-05-02	2	5.04	0.71	1.25	5.60	92%
CNC-1-ACE	2026-05-04	1	4.46	0.75	1.79	5.40	95%
CNC-1-ACE	2026-05-04	2	4.91	0.62	1.47	5.10	95%
CNC-1-ACE	2026-05-05	1	4.39	1.05	1.56	5.40	96%
Total			1,812.46	293.66	441.88	4.79	94%

- Avg cycle time 5 min/part | Feed compliance 94%
- Shift 1 vs Shift 2 tracked separately — not combined
- Replaces 2+ hrs supervisor clipboard time every shift

Alarms & Downtime

Know exactly what broke, when, and why.

IVS Factory Intelligence — Alarms & Downtime

Alarms Detected (May 2026)

162

Total Alarms

Total Downtime

117

Total Downtime (hrs)

Avg Downtime

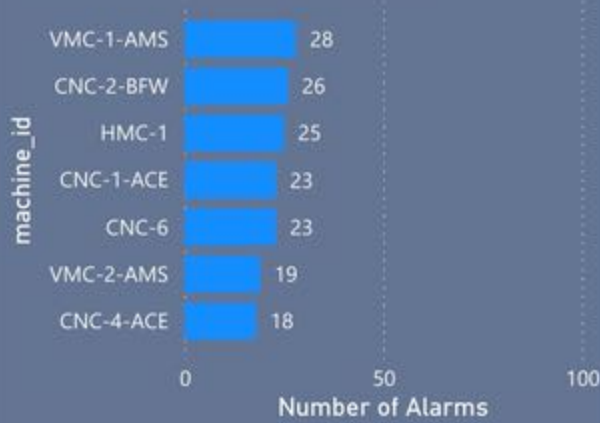
25

Avg Response Window (min)

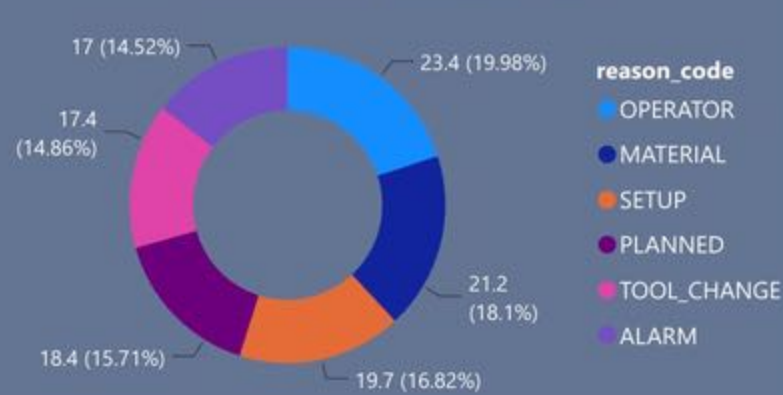
Filter by Machine

All

Alarms by Machine



Downtime(hrs) by Reason Code



Top Alarm Codes Table

machine_id	alarm_code	alarm_desc	Duration (Hrs)	Occurrences
VMC-1-AMS	ALM021	Emergency stop	2.00	9
CNC-2-BFW	ALM010	Spindle overload	1.50	8
VMC-1-AMS	ALM001	Servo alarm X axis	2.60	7
CNC-1-ACE	ALM035	Tool life exceeded	1.40	6
CNC-2-BFW	ALM021	Emergency stop	1.50	6
VMC-2-AMS	ALM042	Coolant pressure low	1.90	6
CNC-1-ACE	ALM010	Spindle overload	0.80	5
Total			44.90	162

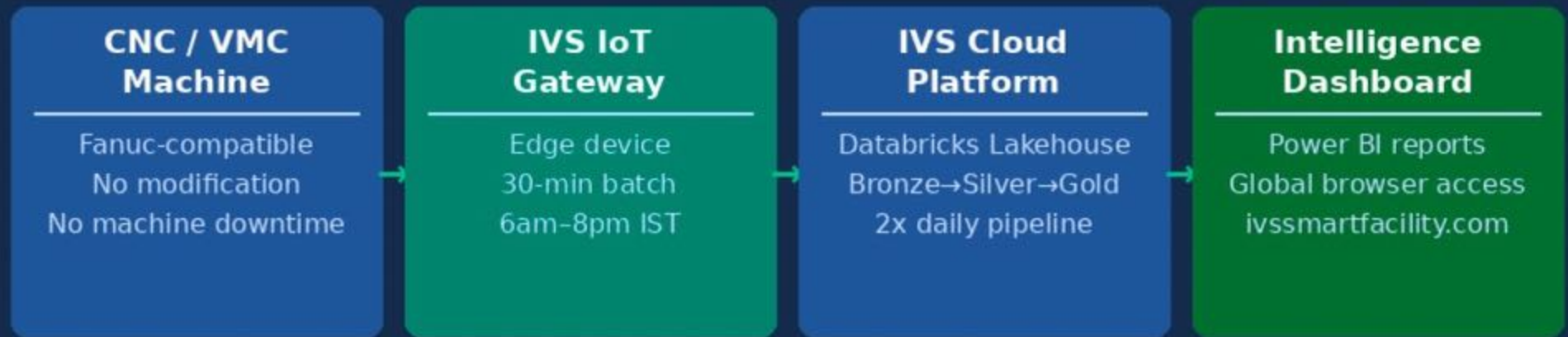
Downtime Events Table

machine_id	event_date	start_time	end_time	reason_code	Duration (min)
CNC-1-ACE	2026-05-19	2026-05-19 18:01:00	2026-05-19 18:06:00	ALARM	5
CNC-2-BFW	2026-05-11	2026-05-11 10:29:00	2026-05-11 10:34:00	MATERIAL	5
CNC-6	2026-05-12	2026-05-12 11:48:00	2026-05-12 11:53:00	TOOL_CHANGE	5
CNC-6	2026-05-28	2026-05-28 11:51:00	2026-05-28 11:56:00	OPERATOR	5
Total					7020

- 162 alarms | 117 hrs downtime | May 2026 — all automatic
- Emergency stop: 9 occurrences on one machine — pattern = action
- Avg response 25 min → drops to 30 sec with live phone alerts

How It Works

CNC Machine → IVS Cloud Platform → Intelligence



6 KPIs · Automatic · No Manual Entry · Always On

Machine Status

OEE Daily

Downtime Log

Parts / Shift

Alarm History

Shift Report

Databricks Lakehouse

Core data engine

Power BI Premium

Management reports

Microsoft Azure

Cloud infrastructure

Phase 2 Ready

AI + ERP integration

Live PoC: VMC-2 connected — feed rate, OEE, machine status verified in real time

Microsoft CSP Partner · Confluent Partner · Red Hat ISV

Serving manufacturing clients: India · UK · Middle East · Australia

The Business Case

Where CEOs and COOs make the call

Return on Investment — Estimated

Indicative figures — your results will vary based on factory operations

Warning: All figures below are illustrative estimates. Actual savings depend on your specific operations.

~\$50 / machine / month

Estimated platform cost from Year 2 (based on 7 machines)

Comparable to less than one operator-hour per day — running 24/7 automatically

Challenge Today	IVS Platform Addresses	Estimated Value
Unplanned stoppages not caught in time	Real-time alert within 30 seconds of any stop	Production loss significantly reduced
Manual shift reports 2+ hours supervisor time	Automatic — generated without any operator input	Supervisor time reallocated to production
Alarms noticed late damage already done	Instant notification to any device globally	Maintenance costs reduced meaningfully
No data for maintenance planning	Alarm trends + patterns for proactive decisions	Est. 10–20% maintenance cost saving

Estimated Payback: Under 18 months from go-live

Based on conservative assumptions — actual payback may be faster

Pricing available in USD, GBP or INR depending on client location

If you run a manufacturing plant — let's talk.

DM 'DEMO' · alok@ivssofttech.com · +91 988 190 2574