

# Making CCTVs Smarter With AI

## How Tema India Switched to Proactive Monitoring

*TEMA India, a leading manufacturing company, operates a large-scale factory with an extensive network of over 100 CCTV cameras.*

# Challenge

Operational efficiency and worker safety are paramount in manufacturing. However, factory floors are complex environments with numerous potential points of failure. Tema India's challenge was two-fold:



Safety risks on the factory floor went undetected until late-stage incidents or audits. Simple violations like workers not wearing helmets or unmanned zones posed risks to productivity and compliance.



Operational inefficiencies such as idle time, absenteeism, or delays in shift productivity were difficult to track, often getting reported too late to act.

*The leadership wanted a proactive way to monitor real-time worker safety and performance.*

# Pain Points Across the Shop Floor



## Plant Supervisor

- Cannot be everywhere at once.
- Often receives delayed reports of safety violations or unmanned areas.
- Struggles to act quickly to prevent mishaps.



## Operations Head

- Limited visibility into real-time workforce productivity.
- Data analysis of productivity often comes after performance dips.
- Planning shifts and overtime is based on guesswork.



## Worker Level

- Lack of timely feedback on safety or task-related behavior.
- Want safer working conditions with fewer ad hoc penalties.

# The Solution

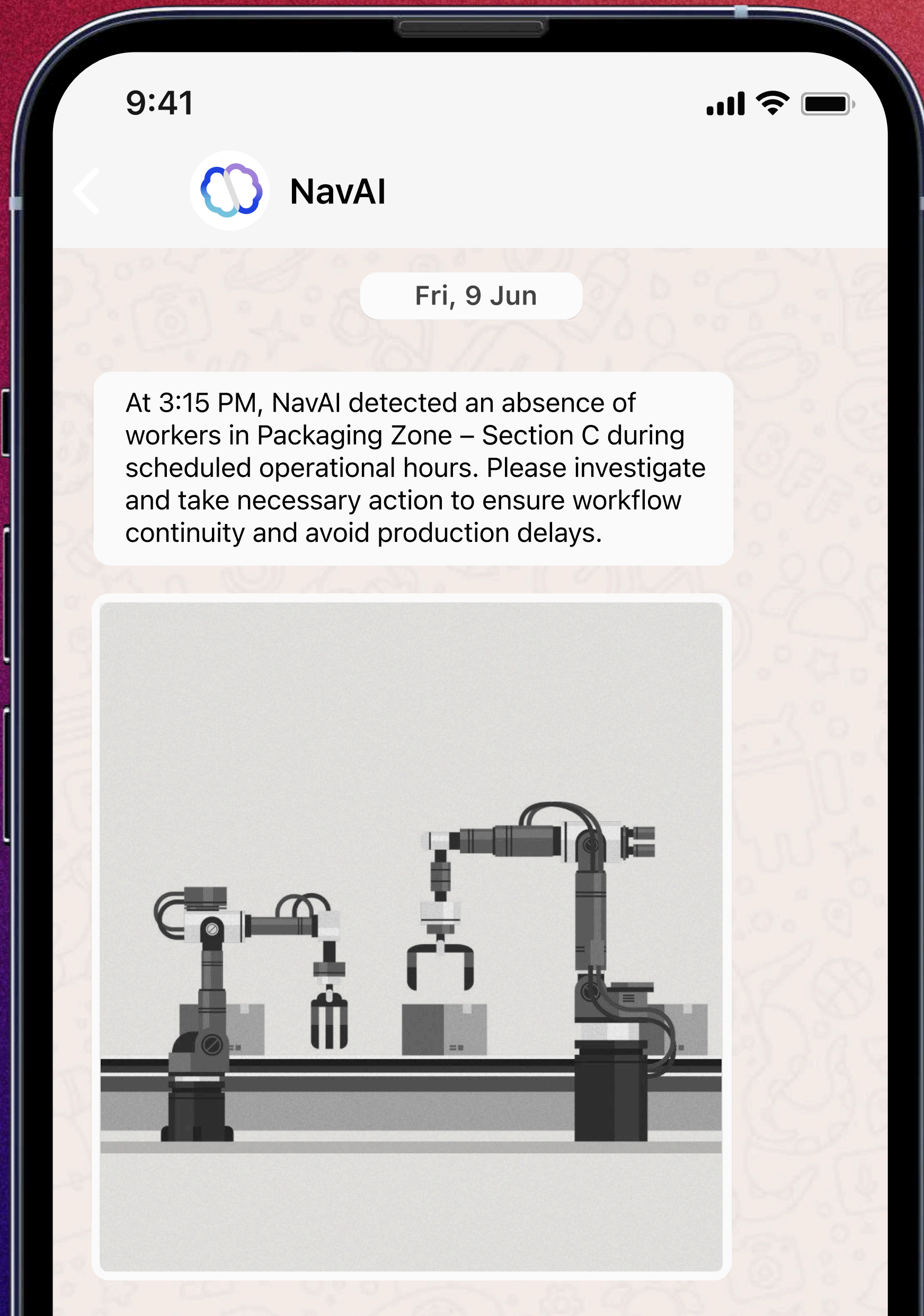
NavAI provided Tema India with a comprehensive data intelligence platform to solve these critical challenges. The solution was deployed in two key modules: NavAI Computer Vision and the NavAI Business Intelligence Platform.

**Computer Vision** is integrated with Tema India's existing CCTV footage to detect and flag safety violations and operational issues.

**NavAI Business Intelligence Platform** is connected with Tema India's data sources (ERP, CRM, CCTV feeds).



# NavAI in Action



## Plant Supervisor

1. It is mid-shift when NavAI flags an absence in Packaging Zone – Section C.
2. An alert instantly pops on the supervisor's dashboard with a screenshot of the incident.
3. The supervisor immediately reallocates manpower before the downtime cascades.
4. A 30-minute production delay is prevented.

## Operations Head

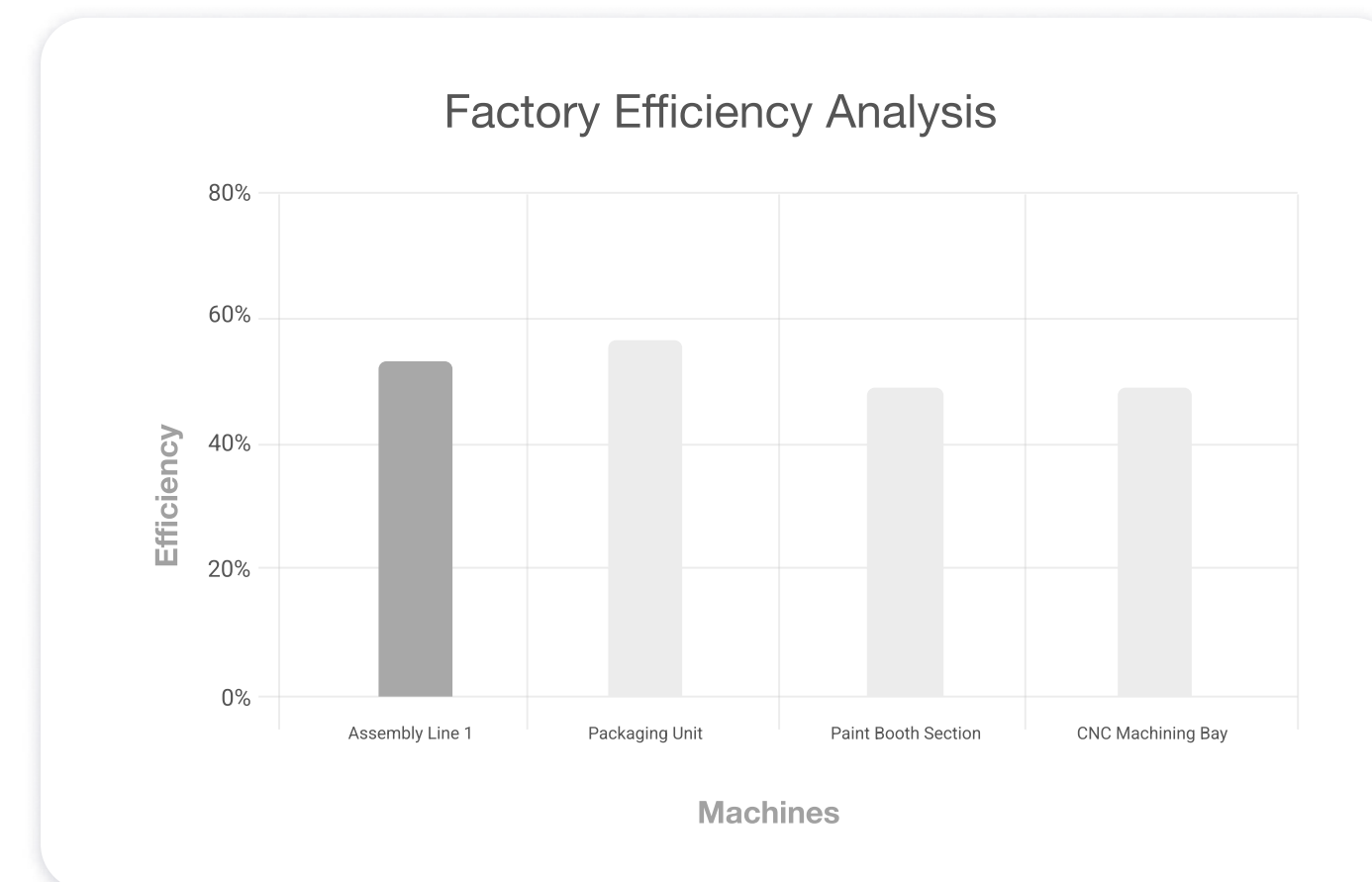
1. Let's say the Production Manager wants to improve shift productivity by identifying workforce-related inefficiencies on the shop floor.
2. He types into NavAI: "Which shifts had the lowest worker efficiency in the past 7 days?"
3. NavAI answer in Seconds with graphs & tables.
4. The manager reviews this insight as a clear visual report, sorted by impact, and shares it instantly with HR and shift supervisors.



Which shifts had the lowest worker efficiency in the past 7 days?



4 shifts identified with efficiency below the factory average (72%)



Type here...



# Key Results

**75%**

Faster response to safety violations and incidents.

**32%**

Reduced downtime losses from unmanned zones and idle behavior.

**2x**

Increase in worker accountability across multiple units.

**68%**

Data-driven workforce planning reduced dependency on overtime hours.

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## Ready to Achieve Similar Results?

Let's discuss how NavAI can address your unique challenges and goals.

[www.navsoft.ai](http://www.navsoft.ai)

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