





## Domain Expertise

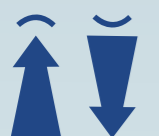
  
Connect


  
Monitor


  
Control


  
Digital Twin

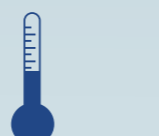
Detection, measurement, analysis of physical parameter measurement

  
Force

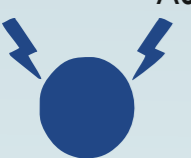
  
Displacement


  
Torque

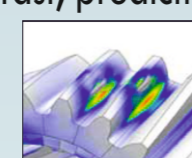
  
Pressure


  
Temperature

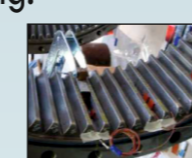
Augmented analytics for fast, predictive and insightful engineering.

  
Stress

  
Strain

  
Gear Tooth Mesh

  
Torsional Deflections

  
Strain Gauging

## Few Customers








































  
Injection Moulding


  
Press Machines

  
Worker

  
Supervisor

  
Management

## Overall Equipment Effectiveness (OEE)




seetharam.in

# SeethaRam

## Mechatronics Pvt Ltd

Bridging Gaps in Technology





Connect    Monitor    Control

# Vibes - OEE (Overall Equipment Effectiveness)

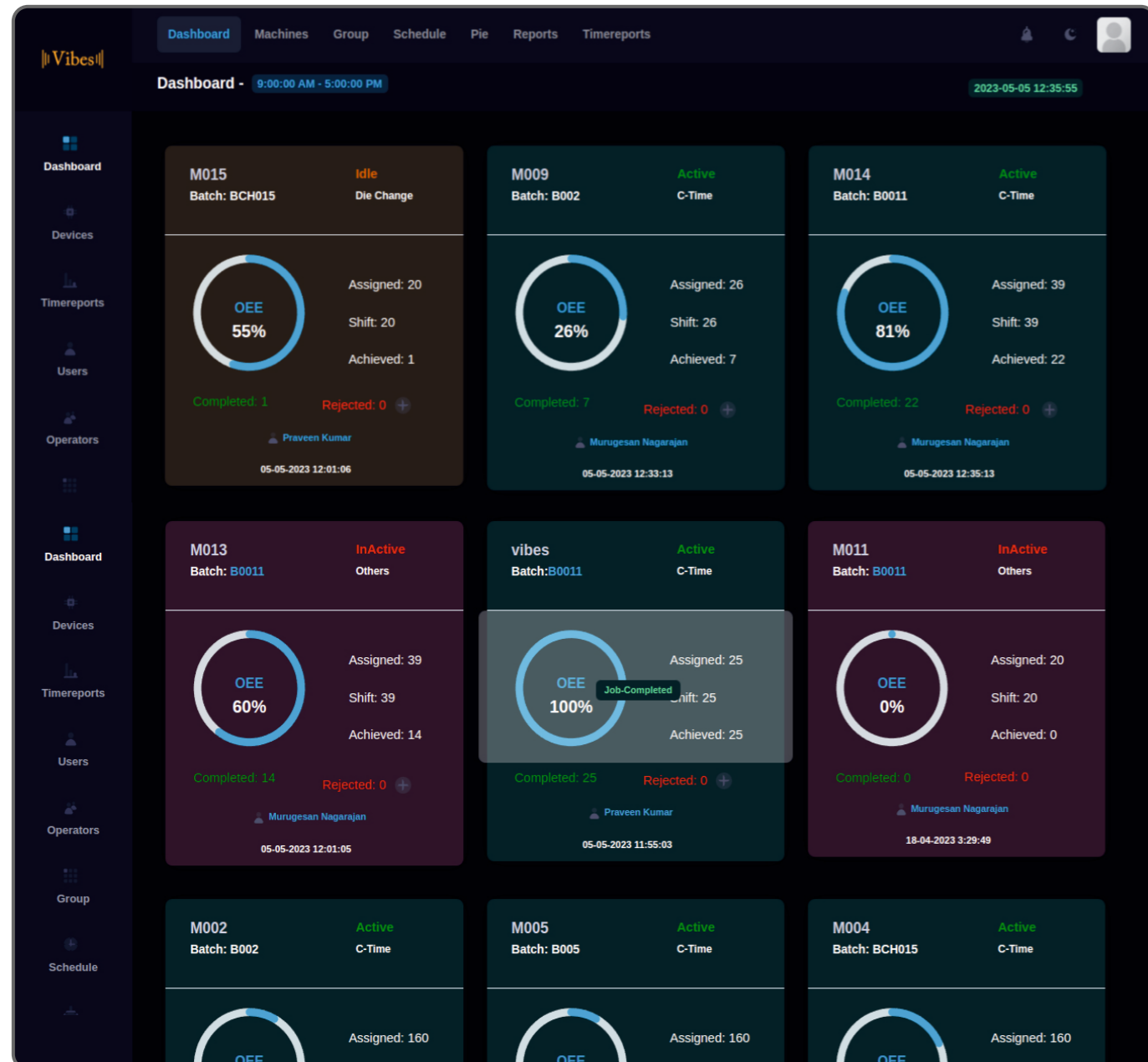
VIBES OEE enhances the manufacturing process by gathering accurate, actionable production data and making it available to stakeholders in real-time. That way, they can make improvements during the shift as opposed to supervisors looking at data retroactively.

VIBES OEE offers

## Rich Data Foundation

Vibes OEE, we can track the losses of each component of our production line and machines. This gives us a detailed picture of the effectiveness of our machines to produce products with extraordinary precision. We can also measure the true potential of our factories by determining how well our manufacturing processes perform.

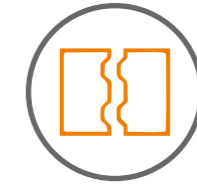
Because OEE allows us to identify real problems in a more strategic way, eg. Eg staffing, the supply of materials, planning, and changes; it gives us the ability to address these issues directly.



## Accurate and Unbiased Data in Real Time

Impact on machine Availability:

1. Planned stops
2. Unplanned stops



Mould Change



Machine Breakdown

Impact on machine Performance:

1. Micro stops
2. Slow cycles



Micro Stops



Rejection

Impacting the Quality delivered by the machine:

1. Start-up rejections
2. Production rejects

## Rich & Meaningful Reports

Top Management View



Group Companies



Overview Performance



Assets



Production & Rejections

Executive View



Mould Master



Schedule & Reports



Users & Operators

## Inputs to Improve Productivity

Apart from popular manufacturing improvement methodologies such as Lean Manufacturing, Six Sigma, OEE can give you the IDA factors for productivity increase:



Capture Loss Information

X



Decide Counter measures

X



Action Measure & Improve

