

CoralReef^{MES}

Manufacturing
Execution System

CR



İletişim Yazılım
Akıllı Fabrika Çözümleri

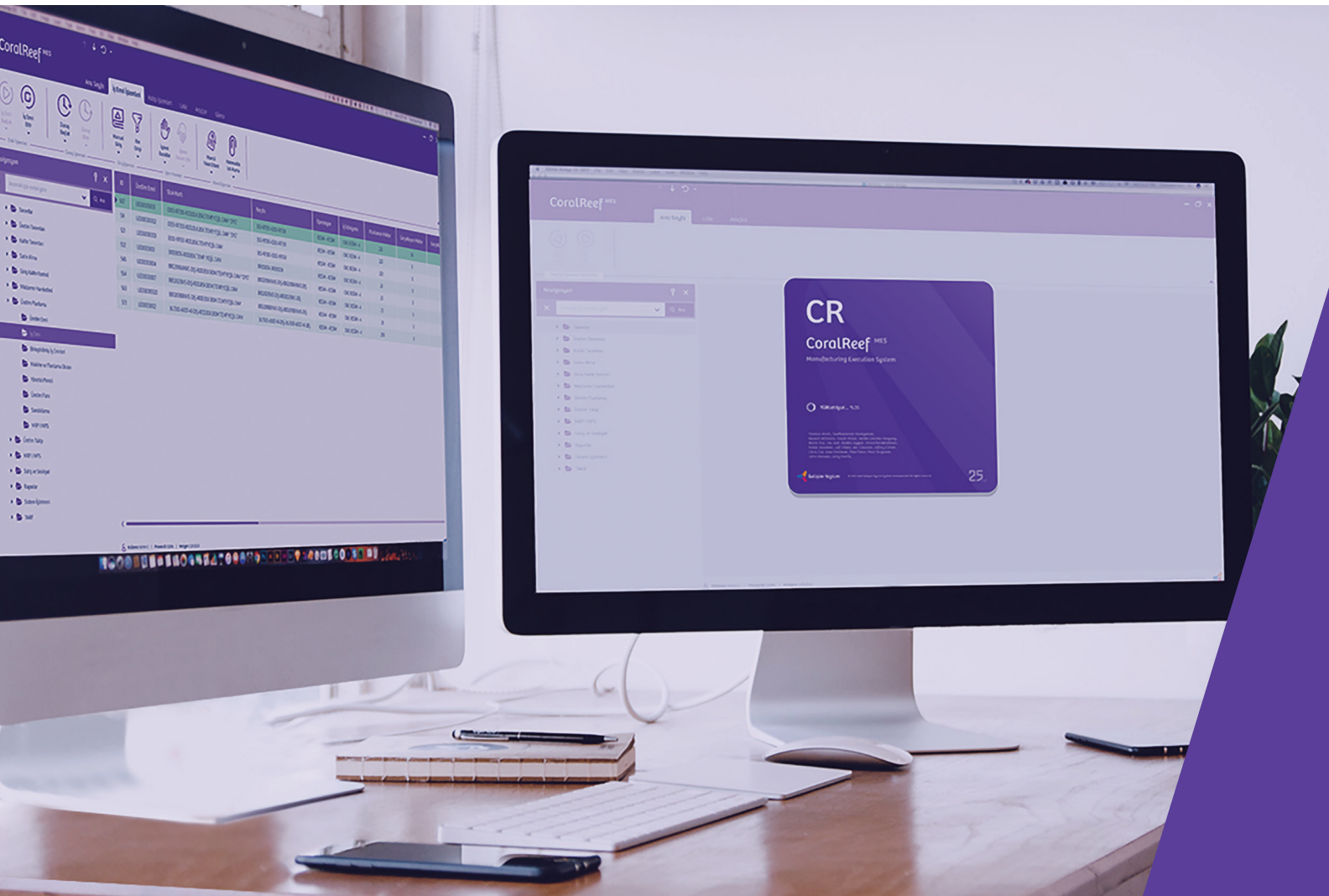


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Manufacturing Execution System



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Smart Factory Solutions



The Key to Success in Factory Management

CoralReef MES is a MES system that enables you to manage all processes from raw material entry to shipment and manage all your production resources with complementary modules such as detailed scheduling, maintenance, mold / tooling, operational quality, inventory management, and can work with minimum data input of people, mainly by collecting data from machines.

Industry 4.0

25th
year



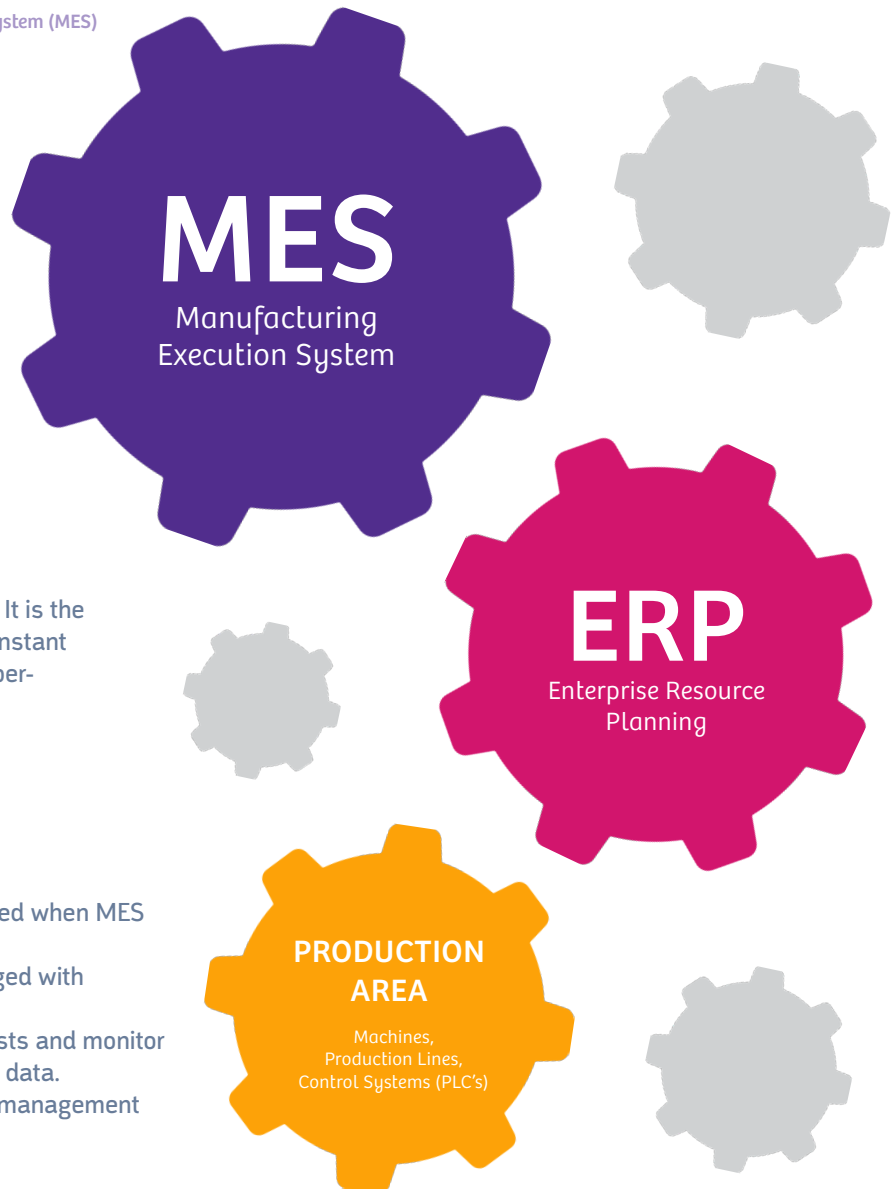
ERP-MES Production Area

What is MES?

Manufacturing Execution Systems so MES, It is the production tracking system that providing instant data management in production area and performs integration with ERP.

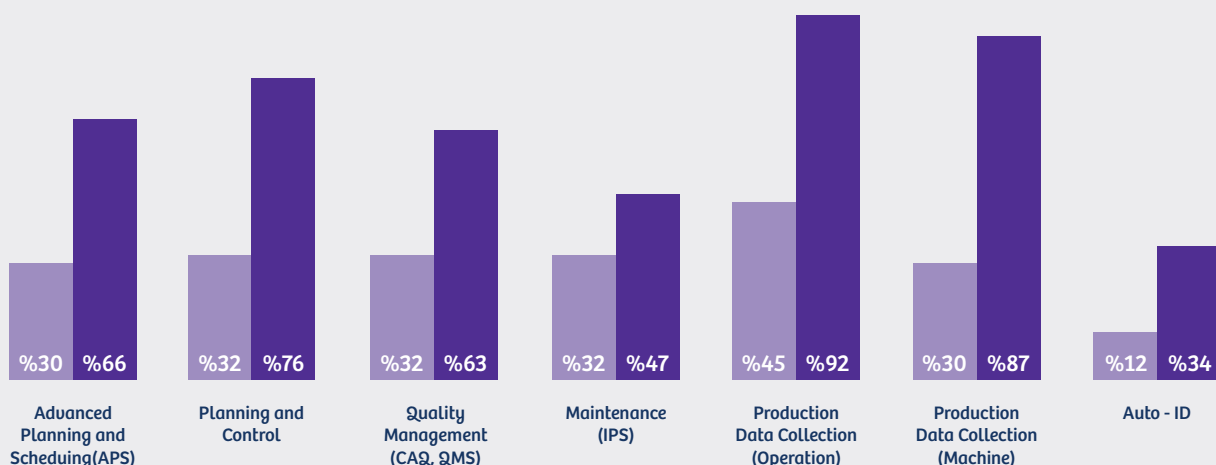
MES and ERP Relationship

- ERP and MES are not alternative concepts.
- Effective site management can be mentioned when MES and ERP are integrated.
- An effective MES enables ERP to be managed with more accurate data.
- With MES, you can manage your actual costs and monitor your resources by feeding ERP with instant data.
- MES deals with instant data. Provides the management of instant changes in production.



Advantages of Integrated MES System

■ ERP
■ MES + ERP





CGI

Experience the Commitment®



MESA
INTERNATIONAL

Where Manufacturing Meets IT

**We are
the Leader
in MES Solutions!**

According to the MES Production Survey studies of the CGI research center, we are the leading brand that produces MES Solutions with CoralReef.

We are well placed on the lists of MESA International Solution Provider, forming the MES system standards and the Vendor Solution Directory...



MES Modules



Optional Modules



Mobile Factory Module

- Report preparation mobile phones and / or PCs, (IOS and Android OS supported),
- Mobile access PPM, OEE, and downtime analysis data,
- Report preparation on the web, (Explorer, Chrome, Firefox, Yandex, etc.).



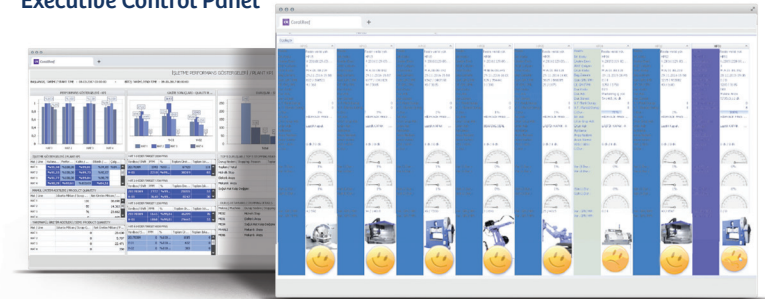
Andon Management

PPM Andon



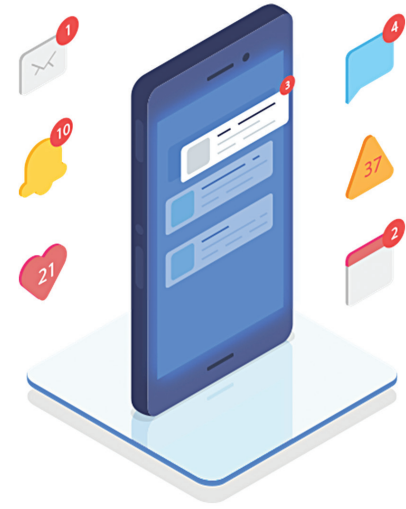
Factory Cockpit Report

Executive Control Panel



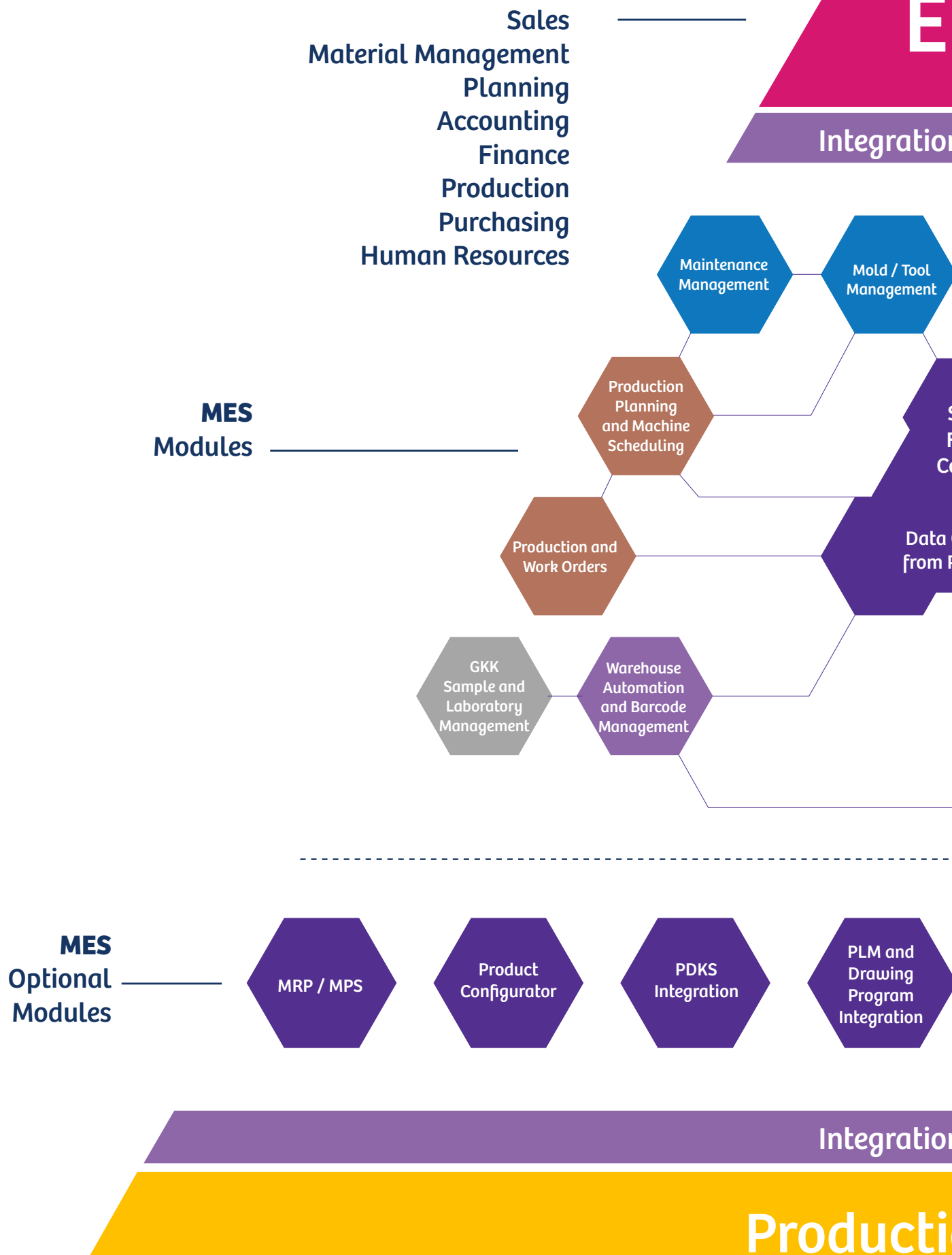
Notification System

You can set up a notification system with unlimited mail / SMS according to the determined workflow.



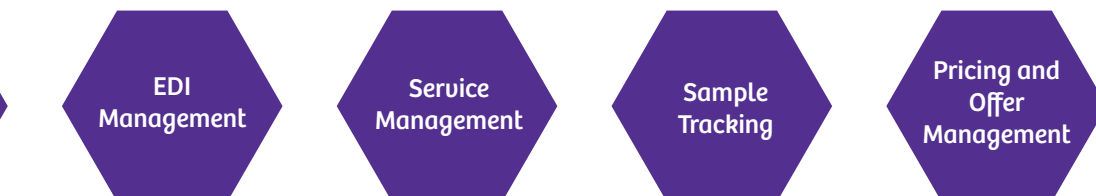
Sample Notifications

- Send e-mail to Production Manager when OEE drops below 70%,
- Send SMS to Factory Manager when OEE falls below 60%,
- Send e-mail to Maintenance Manager, if the malfunction has not been intervened for 15 minutes,
- Send SMS to Production Planning Manager if order does not comply to delivery date,
- Send e-mail to Maintenance Manager when the mold life reaches 90%,
- Send SMS to Quality Manager when production continues out of tolerance.



ERP

n Katmani



n Layer

on Area

Workflow

CR CoralReef^{MES}

Integrated ERP Systems



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ORACLE®

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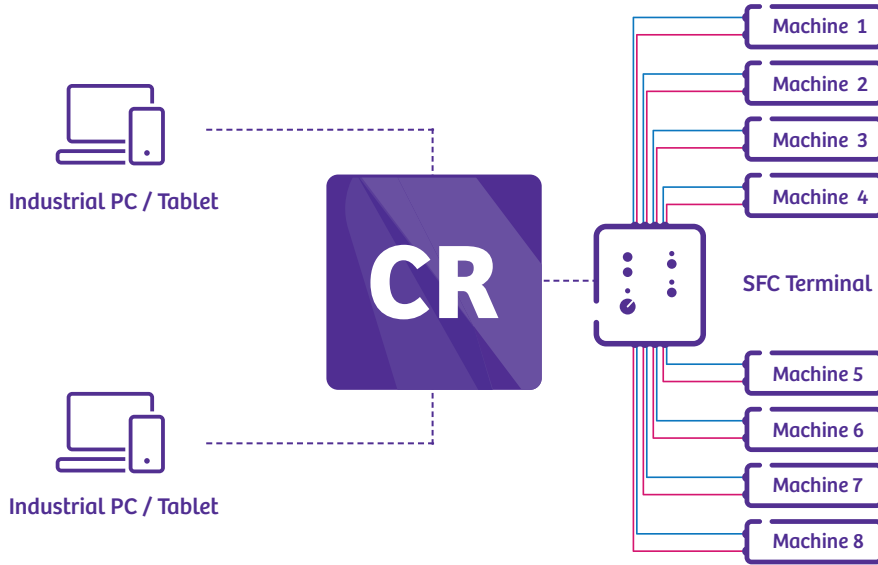
miKRO
YAZILIM
Bizimle çalışın her gün daha iyi olun.

⋮

CoralReef is a Manufacturing Execution System integrated with all ERP softwares.

Shop Floor Control

Shop Floor Control Module



Data Input Layer

- Start Work Order
- Stop Work Order
- Enter a stop cause
- Enter Scrap
- Enter Wastage
- Enter Quality Criteria Values

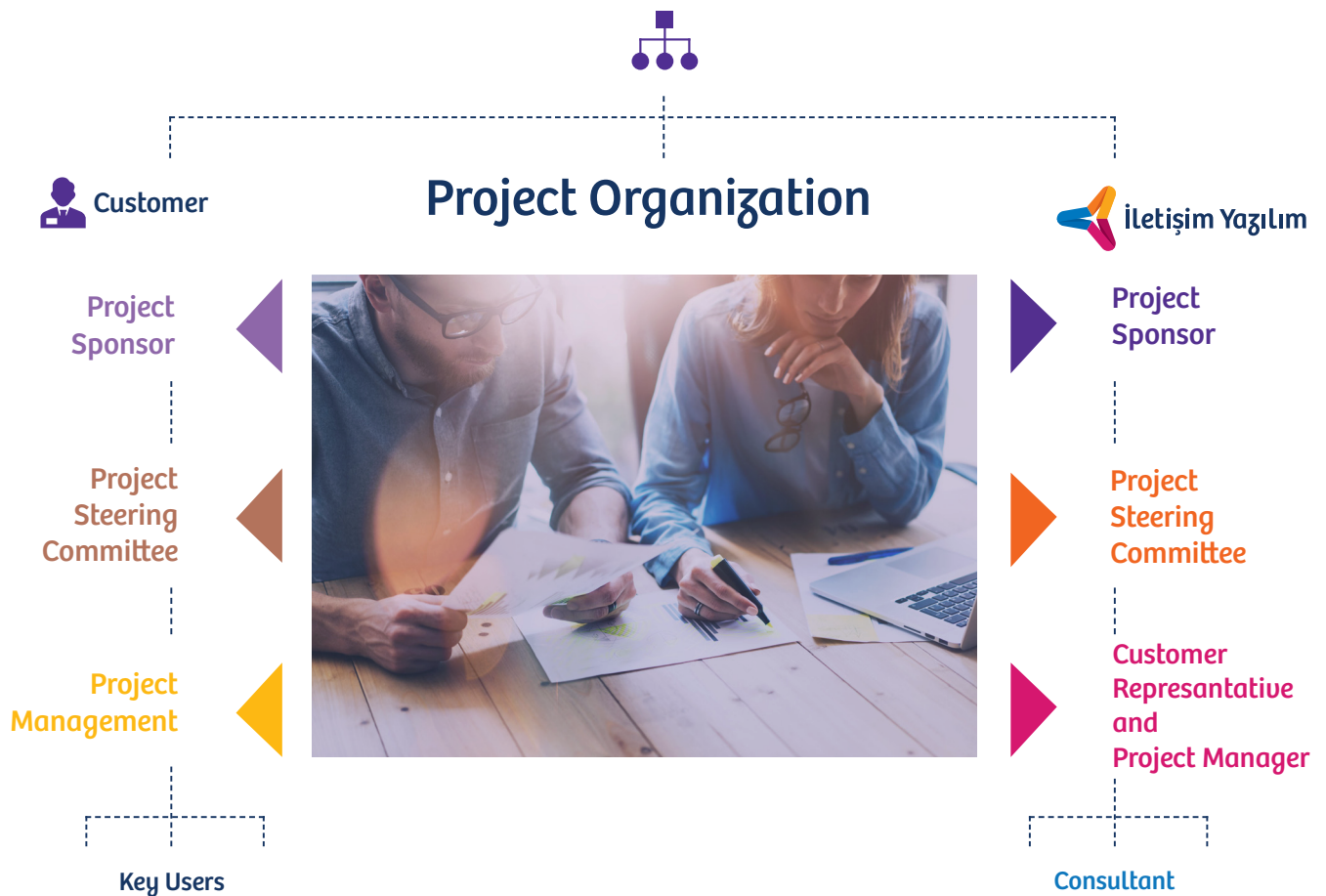
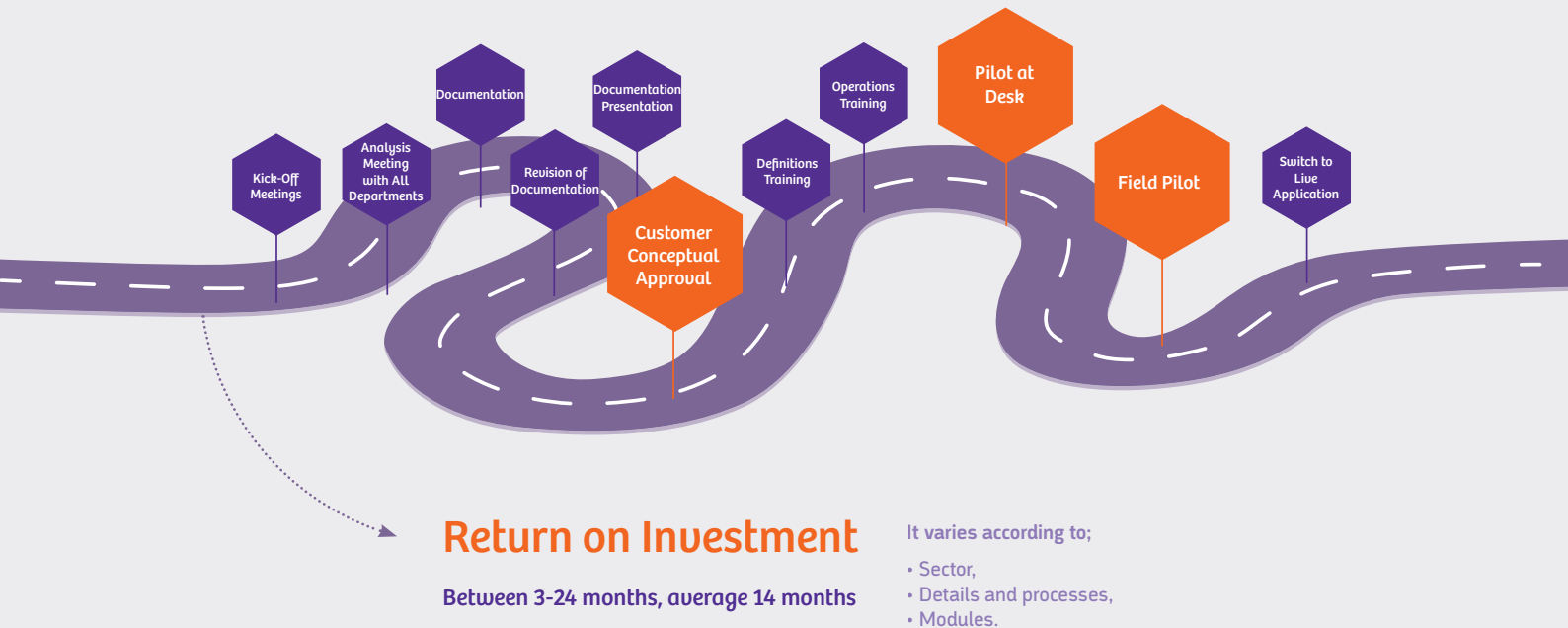
Data Collection Layer

- Total amount of production
- Certain / Uncertain Downtime
- Cycle Time
- Quality Criteria (Temperature, Pressure, Speed ub.)

Work Order Production Tracking



Project Management Methodology



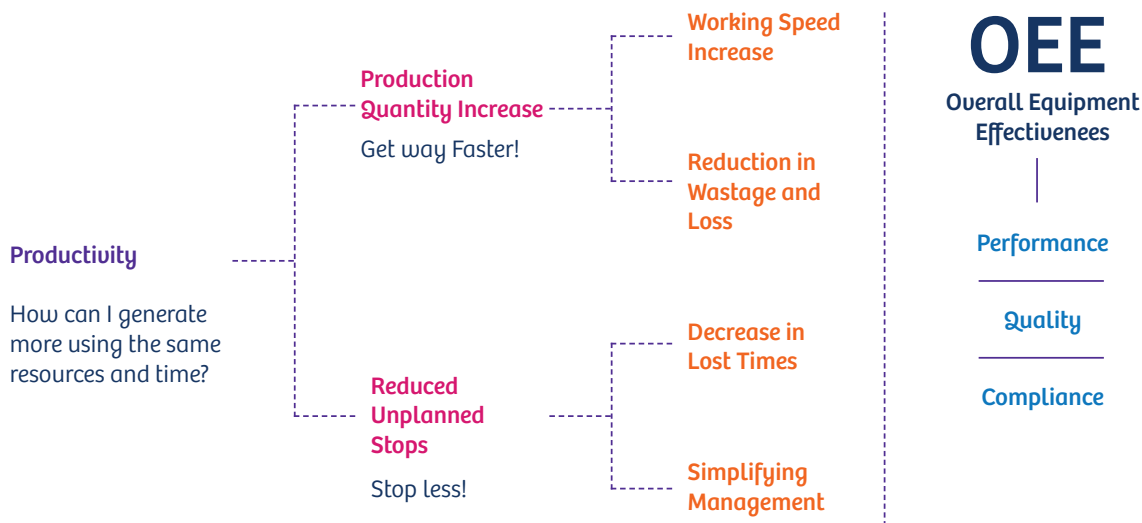


Reporting And Analysis with CoralReef

With reporting technology structure of all processes appropriate data.

Sample Reports with CoralReef

- Failure frequency reports,
- Analyse of interveto of failure times,
- Maintenance management reports,
- Employee performance reports,
- Posture error analysis reports,
- Wastage scrap analysis reports,
- Entry Quality and laboratory analyse reports,
- Capacity utilization reports,
- Standard actual comparison reports,
- OEE, PPM reports,
- Planning performance reports,
- Prescription actual usage comparison reports,
- MTTR, MTBR, MTBF reports,
- Traceability reports



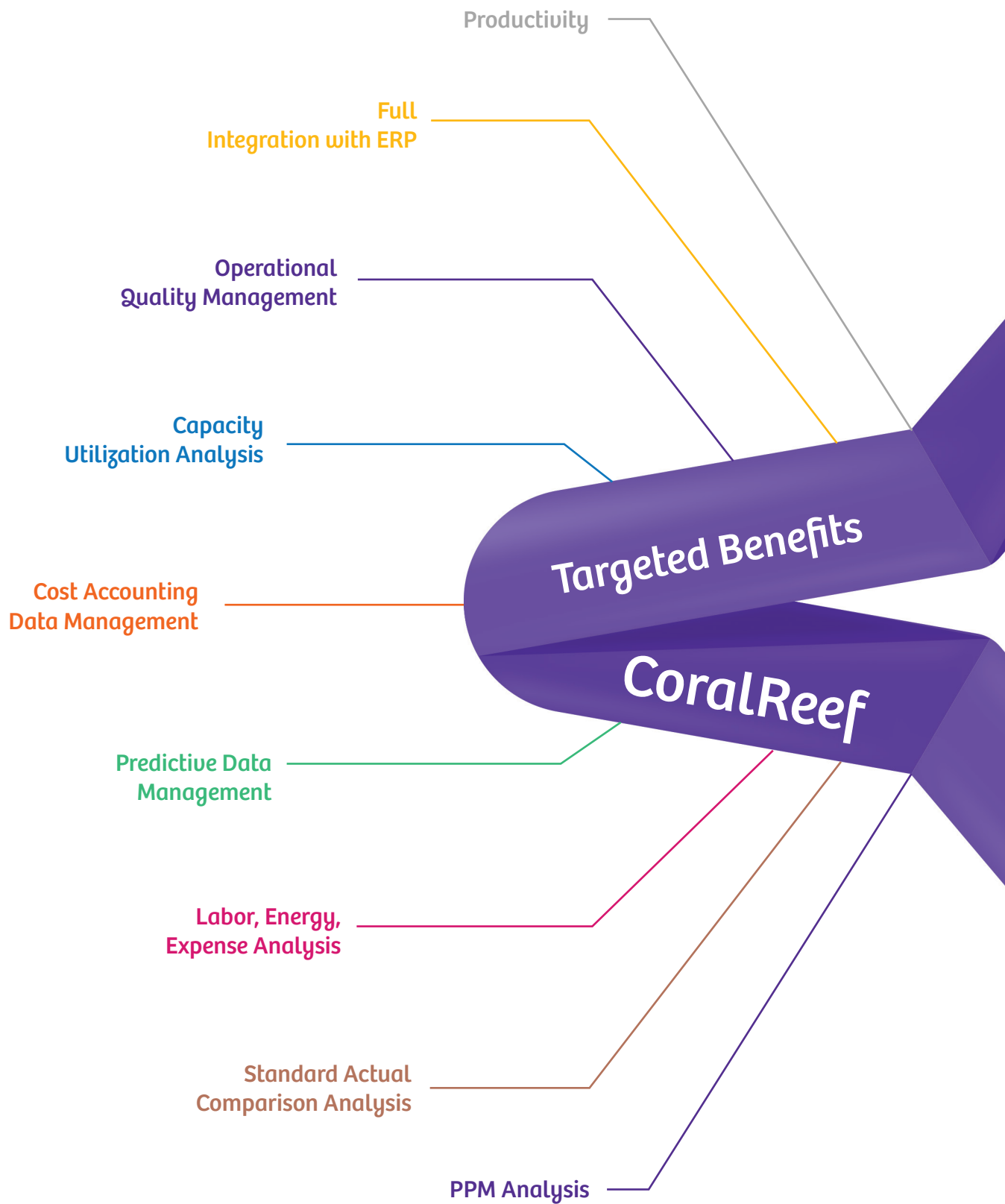
Companies Using MES According to MESA Research;

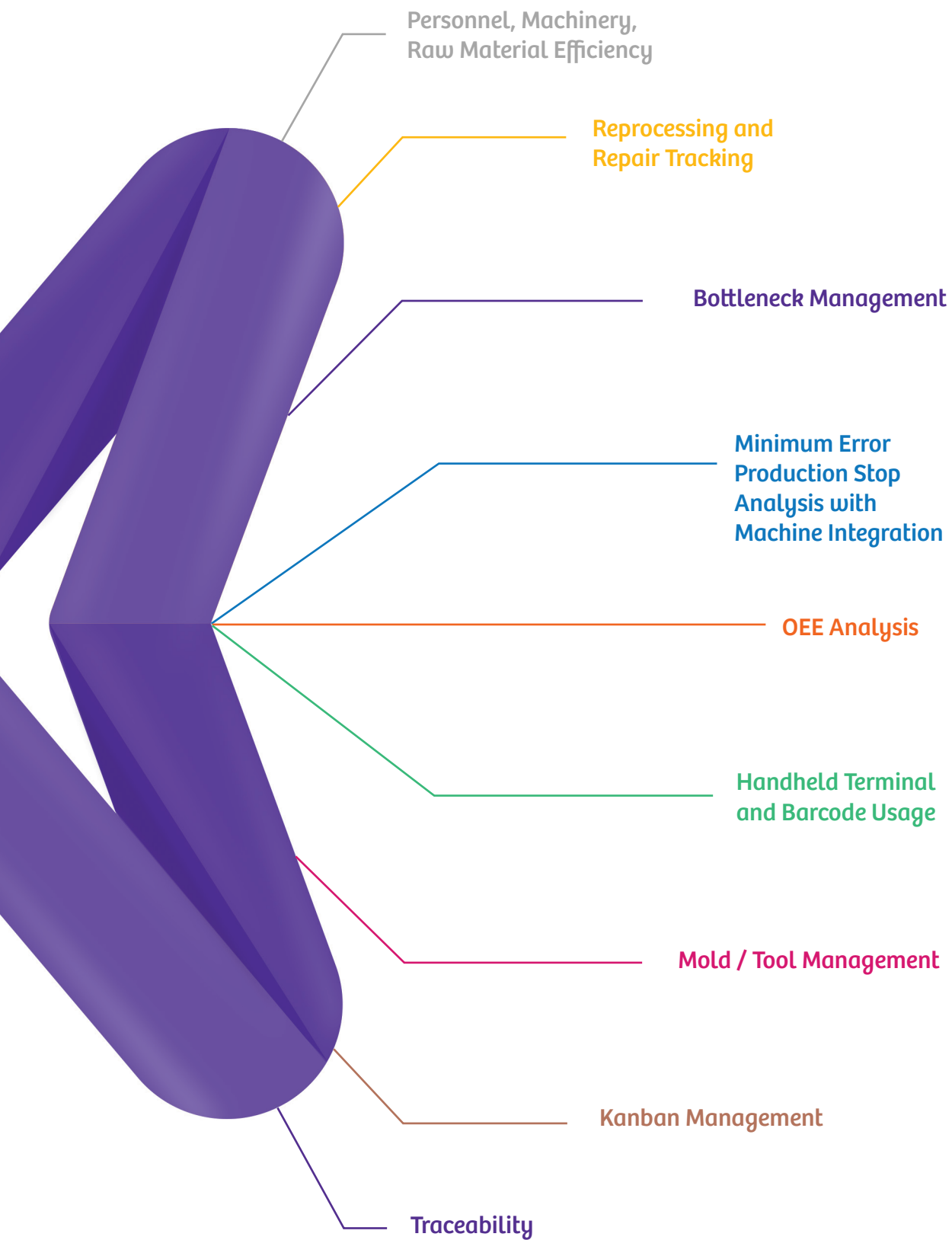


The main objective is to focus on minimizing losses and reducing costs.

- Management of Resources Performance by MES System.
- Our primary resources;
Machine – Personnel – Inventory
- Unlike other MES systems, CoralReef MES system aims to manage all resources by not only monitoring the performance of the machines but also by tracking personnel and inventory.









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25th
year