




elde info solutions pvt ltd

ARCHITECTING YOUR DIGITAL STOREY...

Orchestrate | Automate | Optimize

Nishant Desai | Director



At Elde we **design & implement** high productivity business solutions.





smart manufacturing solutions

COMPLEMENT YOUR INFRASTRUCTURE | SUPPLEMENT YOUR BOTTOMLINE



POWERED BY **DIAMES**



manufacturing administration system

A DIGITAL TOOL THAT TRACKS AND DOCUMENTS THE
TRANSFORMATION OF RAW MATERIALS INTO FINISHED GOODS.

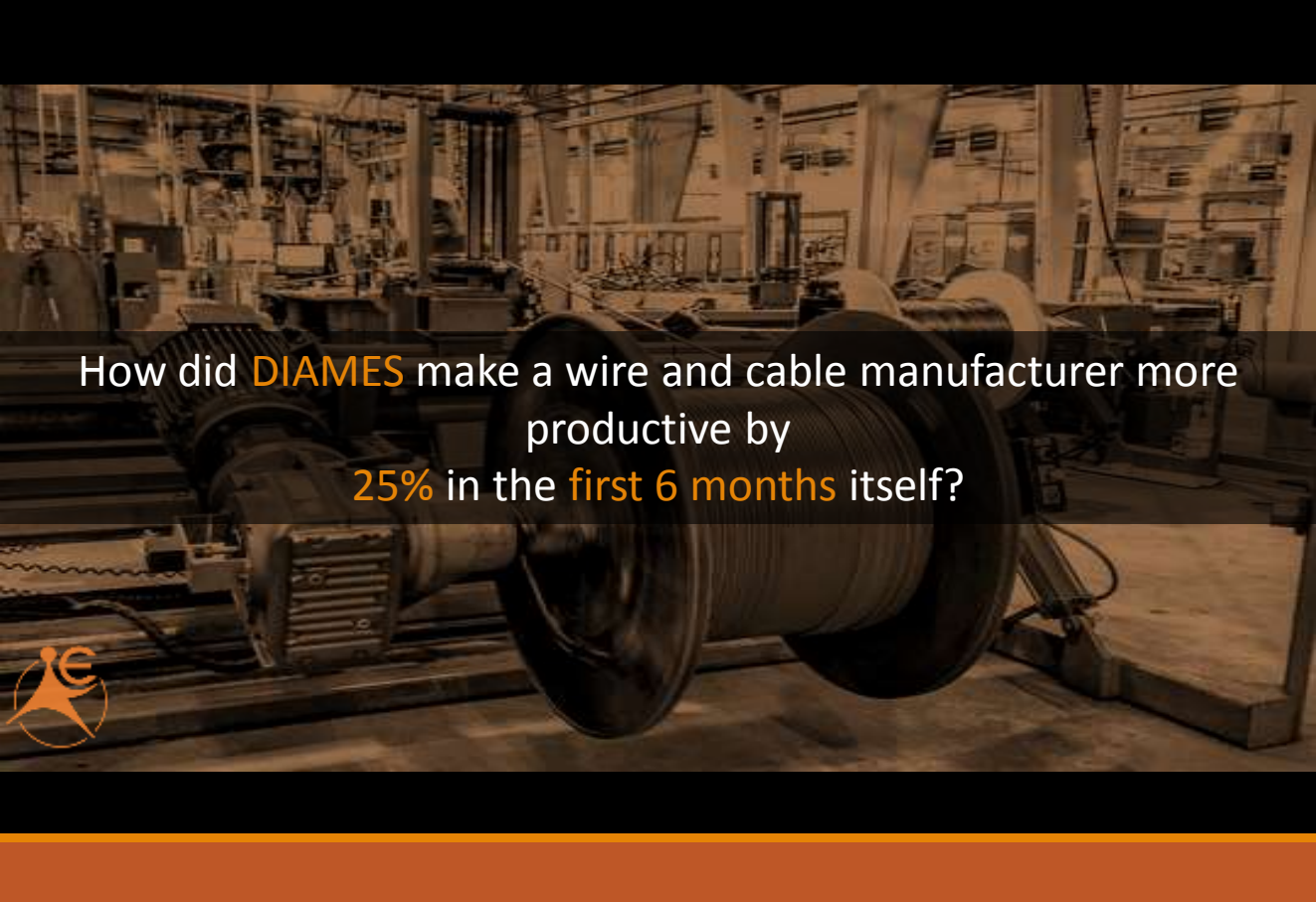


VS

proactive manufacturing execution

AN AGILE, HIGH PRODUCTIVITY SOLUTION, ENABLING YOU WITH A
PRESCRIPTIVE APPROACH IN MANAGING YOUR MANUFACTURING
OPERATIONS.



A large industrial spool of wire is the central focus, positioned in a factory environment. The spool is dark and has a large diameter. In the background, various industrial machines, including what appears to be a forklift, are visible, suggesting a manufacturing or processing plant. The lighting is somewhat dim, with a warm, orange-brown tint. A semi-transparent dark banner is overlaid across the middle of the image, containing text.

How did **DIAMES** make a wire and cable manufacturer more productive by **25%** in the **first 6 months** itself?



Analytics

Mobility



10% Reduction
in Unnecessary
Downtime



30% improved
planning capability



40% Reduction in
Throughput time



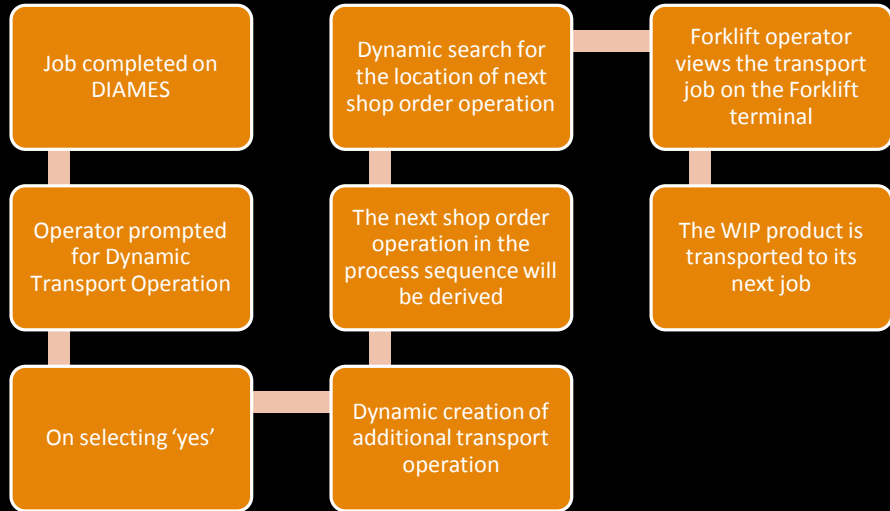
20% Reduction of
shop floor staff

Workflow

Alerts



40%
Reduction
in
Throughput
time



Dynamic Transport Management

10%
**Reduction in
Unnecessary
Downtime**

Changeovers

- Reduced turn around time for job changeovers by pre-emptive alerts.

Rejections

- Reduced stoppage time from rejections with effective tooling & maintenance.

Maintenance

- Preventive maintenance alerts based on usage to avoid unplanned maintenance downtime.

Intentional Delays

- During an economic downturn, workers started stretching cycle times to create notion of continuous working, this was instantly tracked and avoided.



30%
improved
planning
capability

Production Planning: SAP to DIAMES

HR Skill Matrix: SAP to DIAMES

Activity Reporting: DIAMES to SAP

Inventory Reporting: DIAMES to SAP

Plan vs Actual: DIAMES to SAP



20%
**Reduction of
shop floor
staff**

M2M Integration

- Manual data entry redundant.
- Data integrity retained; no maker/checker required.

Alerts

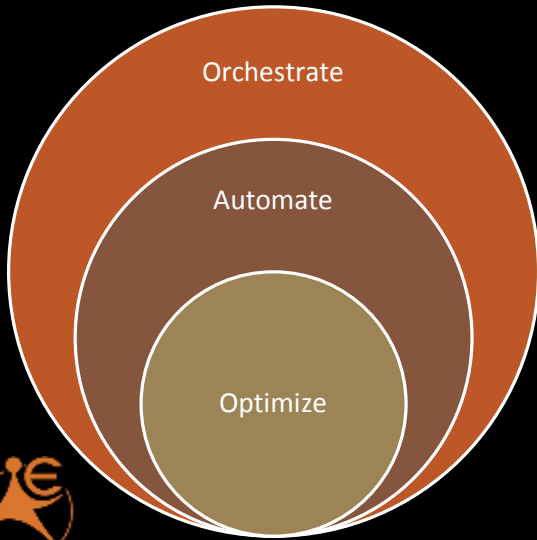
- Stakeholders manage by exception
- Manual monitoring of devices avoided.

Mobility

- Visualizing shop floor efficiency from your smartphone.
- Manual reporting automated



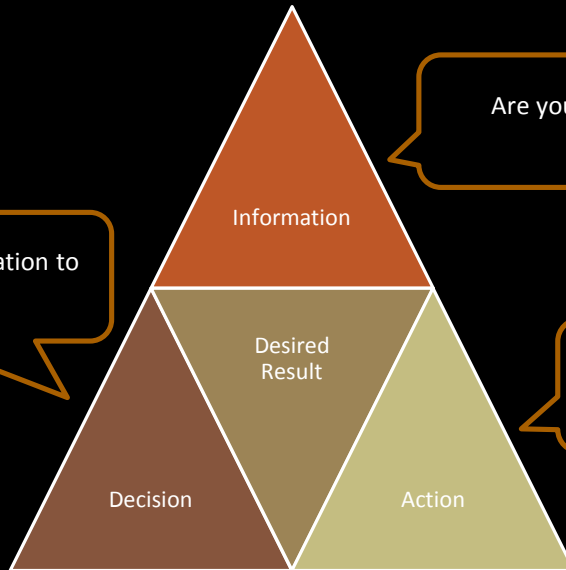
the macro approach



Orchestrate	Automate	Optimize
<ul style="list-style-type: none">•Synchrony•Harmony•Symbiosis	<ul style="list-style-type: none">•Business•Physical•Digital	<ul style="list-style-type: none">•Intelligent•Proactive•Prescriptive



the micro approach



Are you getting accurate & timely information?

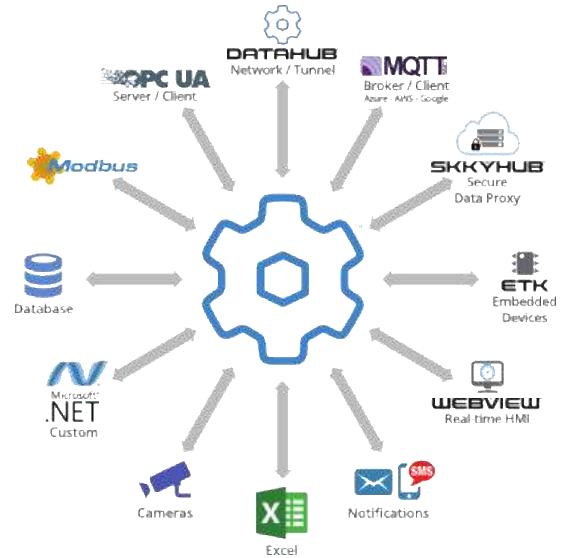
Do you have enough information to take a decision?

Has your decision been promptly acted upon?





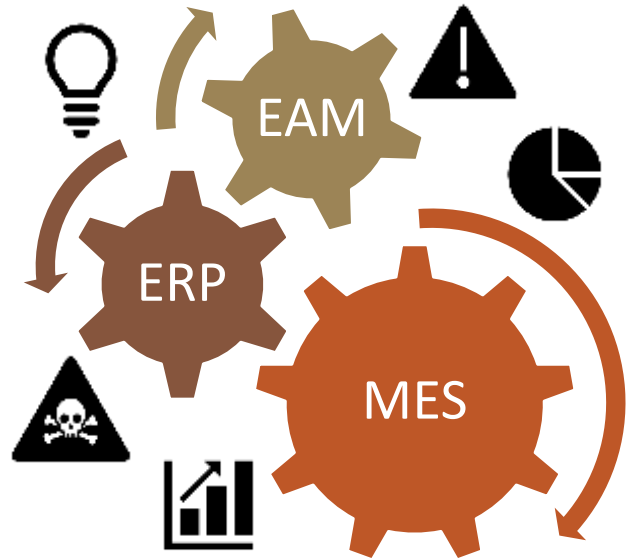
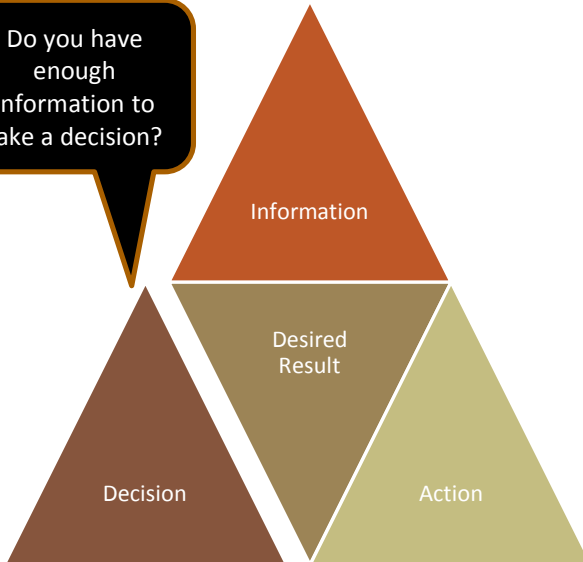
accurate & timely information





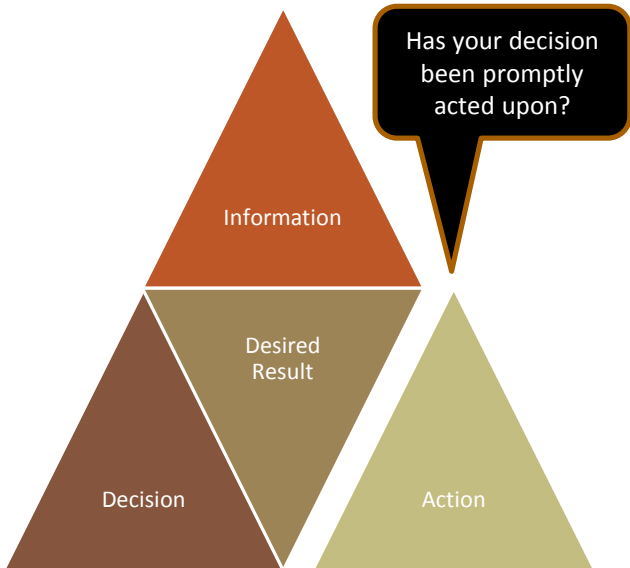
effective decision making

Do you have enough information to take a decision?





swiftly acting on the decision



How they made the solution pay for itself

Fact

Their manufacturing units at an average utilized just 60% of their production capacity.

Calculation

Total Annual Single Shift Capacity (in hrs.) =
 $8 \text{ hrs.} \times 280 \text{ days} = 2,240 \text{ hrs.}$

60% Capacity (in hrs.) = 1,344 hrs.

Our Advantage

1 extra hour production per shift =

280 additional hours per year.

(Additional Revenue 1:1 profit)*

Return on Investment

With an efficient use of production resources (people & machines) along with our solution, the payback for their investment was possible within the first

12 months.

* Data provided by CSM Systems AG as a result of implementations carried out by them.





Industry 4.0 - The Indian Context

- Reducing Technology Debt
- Orchestrating all digital transformation initiatives
- A few good resources
- Investment in upgrading skillsets of good resources
- Investment in effective data acquisition systems
- SoP on Cloud for a quick call to action

Is it a worthwhile investment?

The background of the slide is a warm, orange-toned image. It features several stacks of coins of varying heights, arranged from left to right. In the upper left, a portion of a clock face is visible, showing the numbers 12 and 1. The overall aesthetic is financial and time-related.

“Manufacturing businesses that make investments in ERP-directed manufacturing applications, but fail to provide for accurate, real-time information from the production processes, will achieve at least 50% lower return on those investments.”

Gartner Group, USA



Are you ready to take the Digital Plunge?

www.elde.tech | sales@eldeindia.com