



Good Maintenance = Good Business

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Business Community Safe Maintenance Campaign Event



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SAFETY &
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Lloyd's
Register



2^{rent}

Atlas Copco

mainnovation

SKF

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FABRICOM
GDF SUEZ

pdm

ERIKS + BAUDOIN
know-how makes the difference



Some of our members:

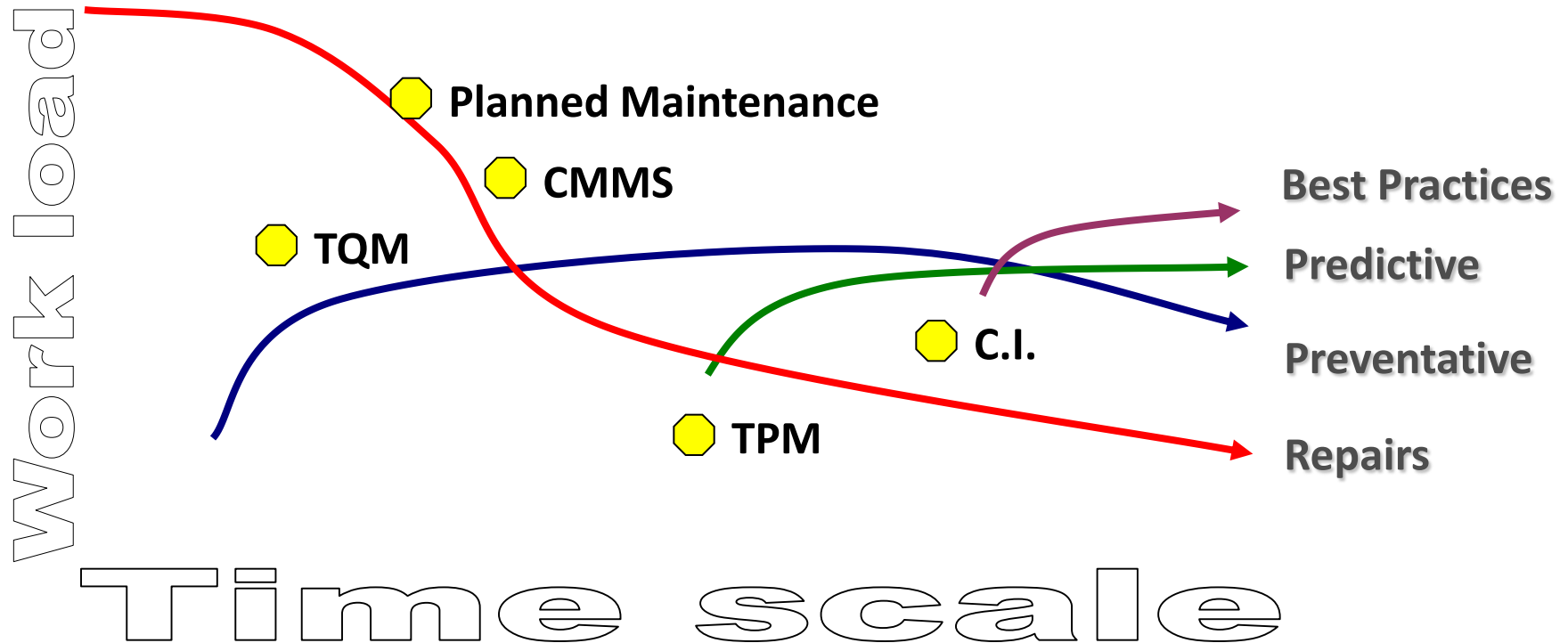




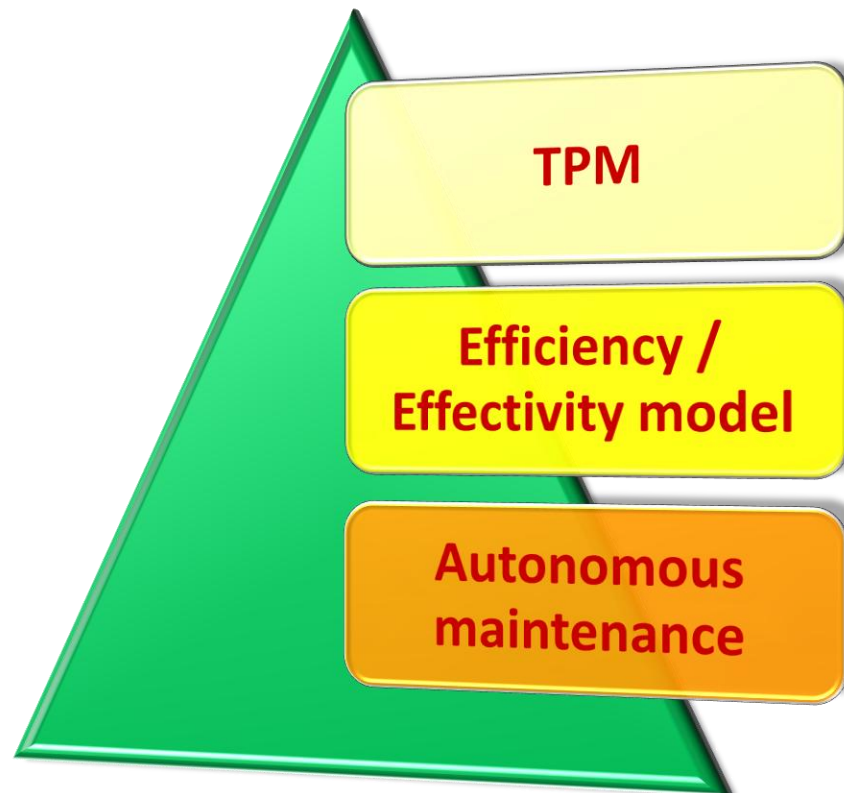
MAINTENANCE.

A piece of cake?

Maintenance History...



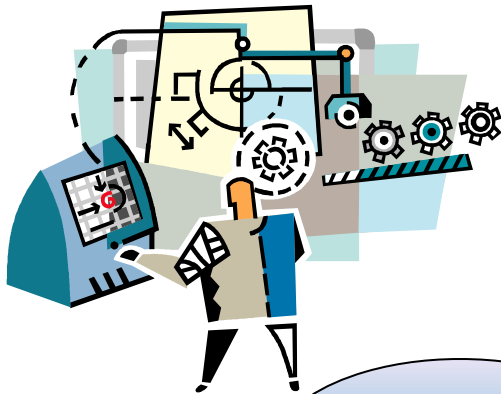
Fondations of a good maintenance model.



TPM : « Total Productive Manufacturing / Maintenance »

Production → *the shopfloor*

- Operator
- Technician
- Controls
- ...



Raw materials,
 Production planning,
 Resources, ...



Finished goods,
 Records,
 Requests,....

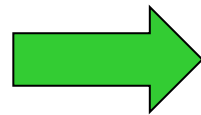


Supporting services → *the staff*

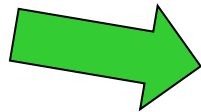
- Buying & sales
- Financial controls
- Technical services
- Logistic...



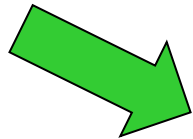
Maintenance must extend to more random activities...



Optimize predictive & analytical maintenance activities.



Sustain continuous improvement process.



Build structured support for production performances.



Move to autonomous maintenance.



Promote designed based maintenance and engineering.

The machine life cycle

Maintenance activities starts in early stages of design.....



Design Based Maintenance *(Engineering)*

- Specifications & requirements
- Critical points assessment
- ...

Maintenance:

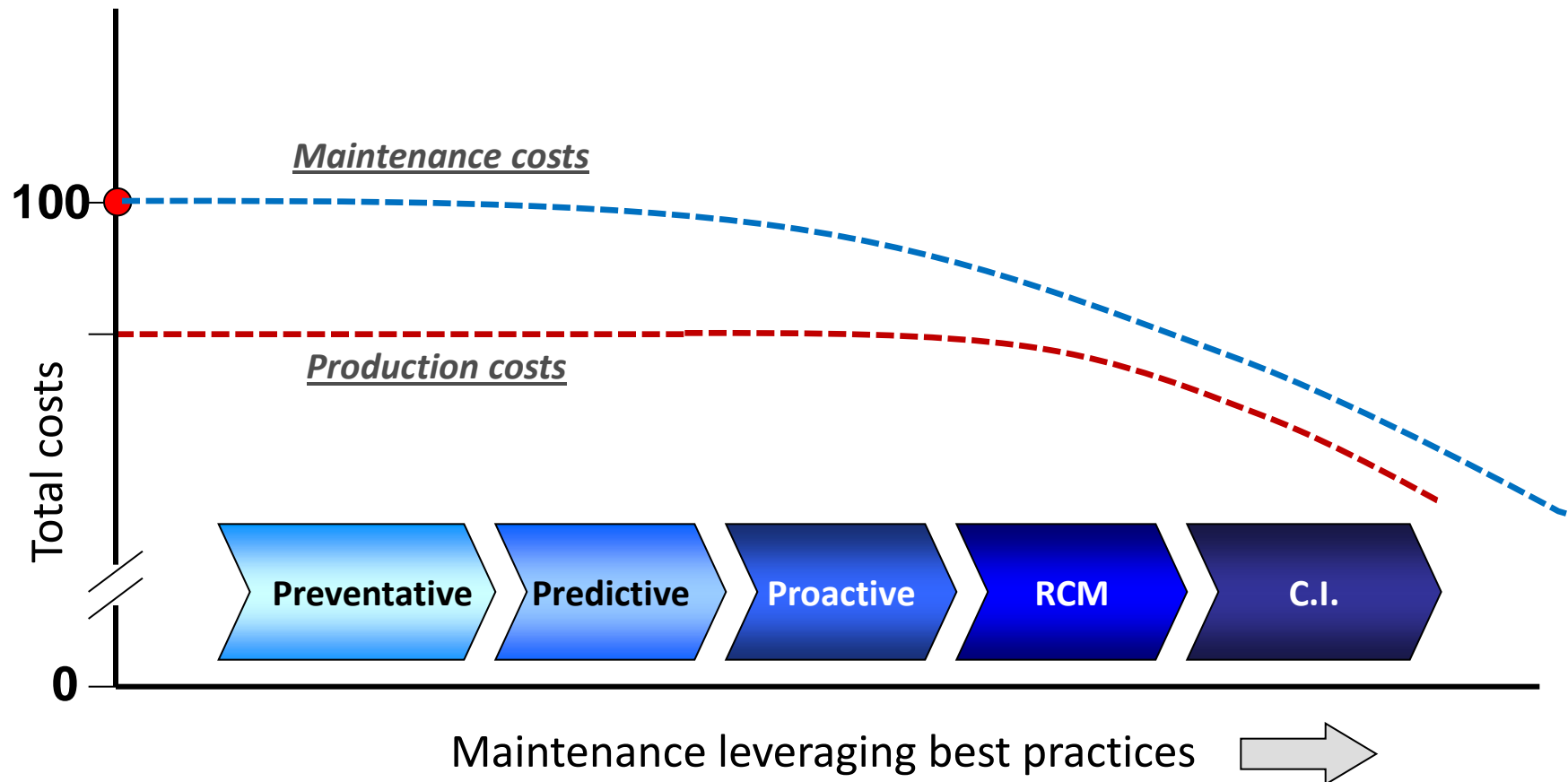
- Preventive
- Predictive
- Corrective
- Overhaul
- Improvement

Pro-active Maintenance !





Leveraging maintenance best practices becomes the driver reducing operating cost



Five Key steps for a “World Class” maintenance.

1. “Kill” down to zero breakdowns and failures.
2. “Minimize” time for preventative et predictive maintenance activities.
3. “Maximize” time for continuous improvement tasks.
4. Turn your overall maintenance activities into asset reliability activities.
5. Focus on cost effectiveness.

Summary : Requirements & Expectations

1. Keep control and knowledge on core business and production process.
2. Quality, excellence and safety must be part of the business strategy. Yearly goals must be set.
3. Have well educated operators / technicians capable to master the production process and be autonomous minded.
4. Consider maintenance activities as part of the supply chain.
5. Minimize maintenance activities in favour of asset reliability management. Promote reliability engineers.



**A EUROPEAN CAMPAIGN
ON SAFE MAINTENANCE**



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