

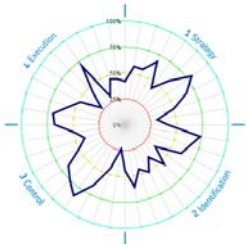
Rethinking maintenance and reliability



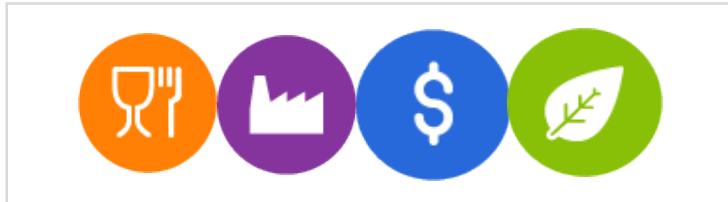
**A self-help guide
to asset performance**

“The best way to predict the future is to create it”*

Understand the As Is maintenance maturity



Continuous improvement based on measuring, controlling KPIs



Defining an appropriate asset maintenance plan



Monitoring performance of critical assets



Root cause analysis



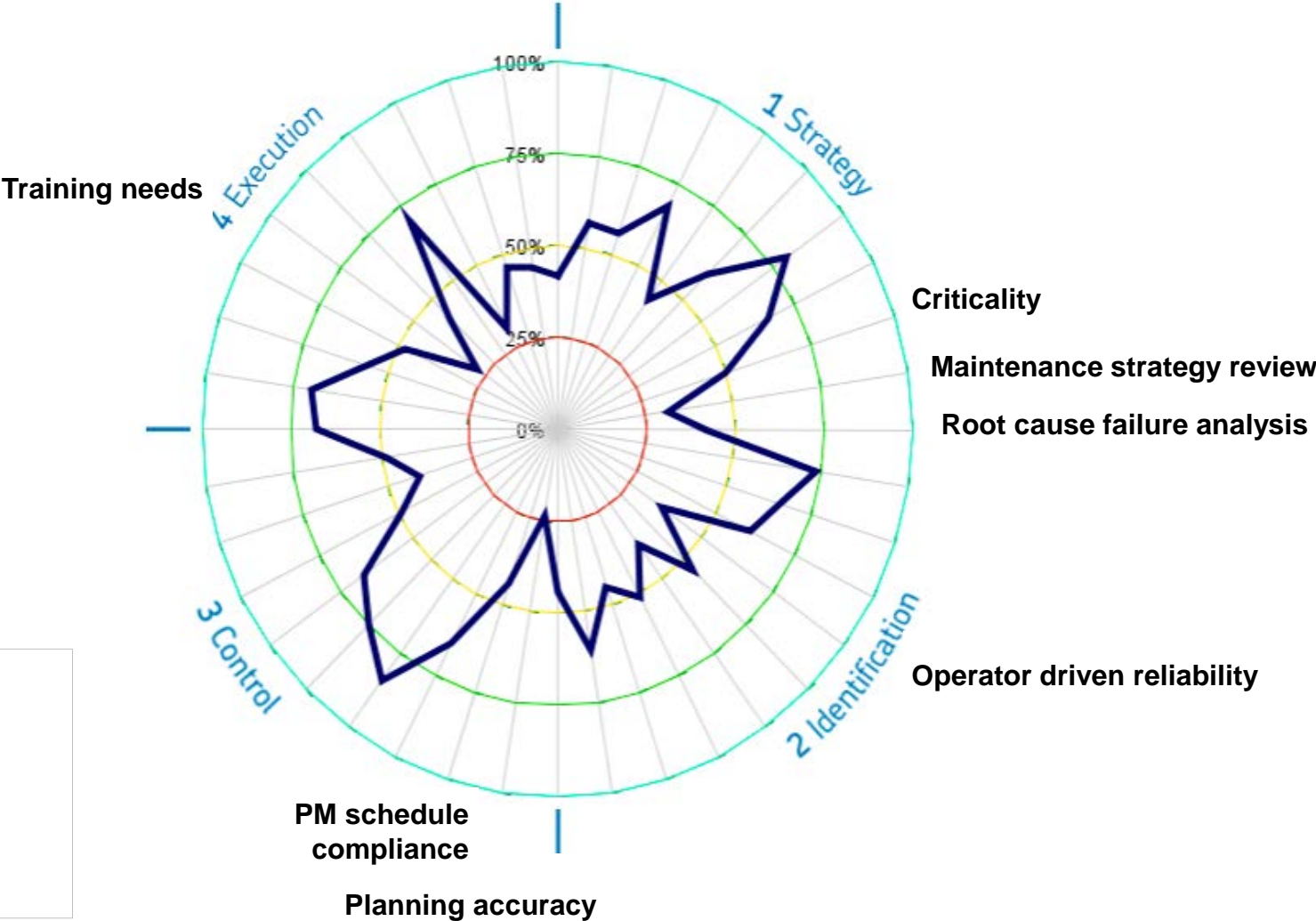
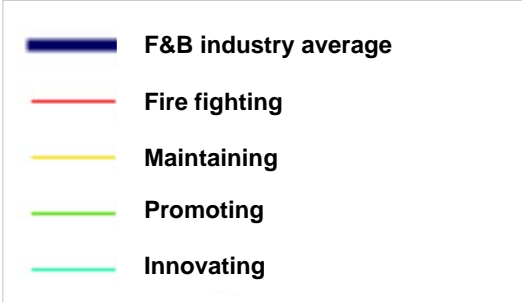
Technologies to upgrade asset performance and reliability



*Abraham Lincoln

Assess & benchmark – the basis of change design

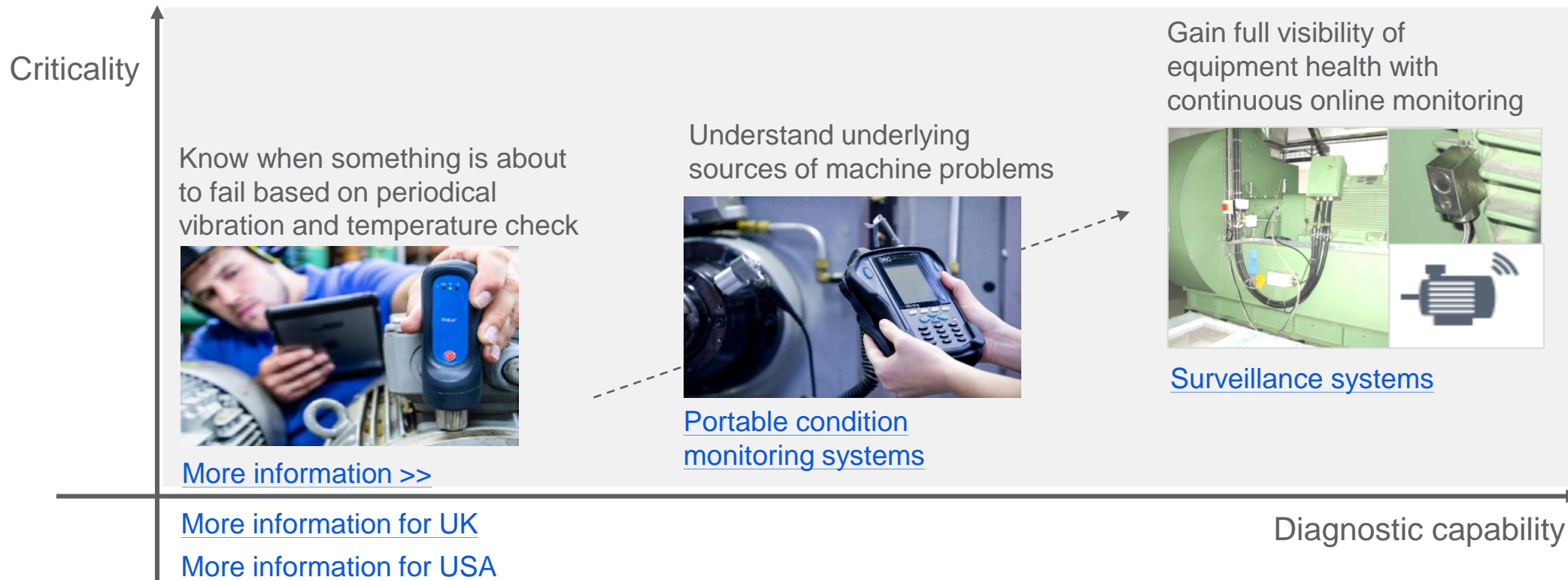
[Further information >>](#)



Monitoring asset performance by scalable means



Advanced diagnosing and analysis, turning data to corrective action



Root cause analysis can reveal the unexpected

Failure in critical labeling machine



Was it the bearing?



No,

the seal was not effective against the aggressive washdown media

[Root cause analysis >>](#)

How to get help?

- [Customized sealing solution](#) in 1 or 2 days
- Just broken seals part needed!



Technology upgrades – you don't know what you don't know

MANAGING LUBRICATION

Lubrication
management

High efficiency seals



Relubrication-free technologies



Food grade oil, grease



Manual lubrication



Automatic lubricators, lubrication systems



Food safety can be at risk, with unconsidered aspects

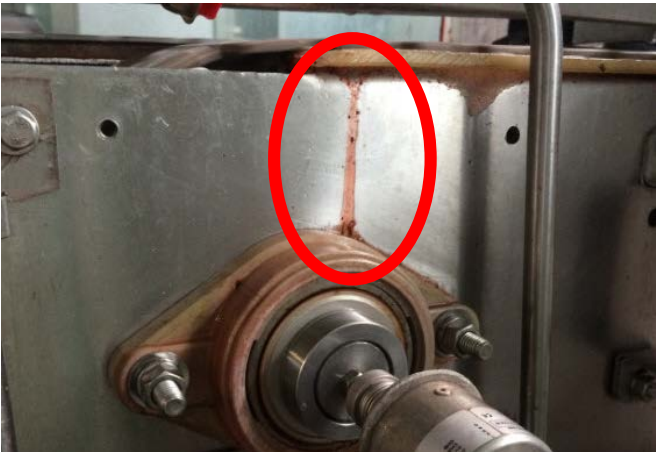
+80%
increase in USDA
and FDA food
recalls since 2012

75%
of food recalls are
due to bacterial
contamination and
undeclared allergens

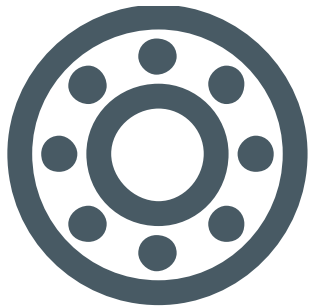


1 Million
bacteria/
gram

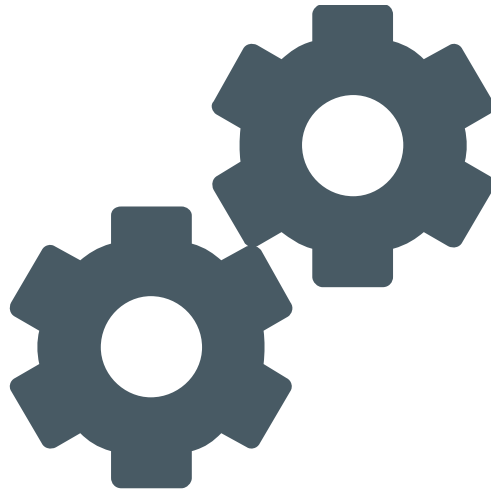
[More about food safety risks >>](#)



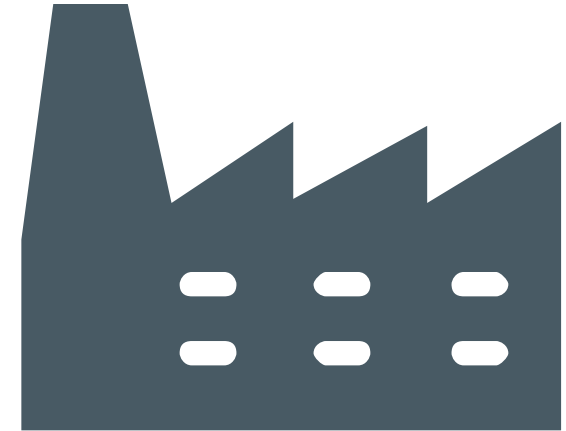
A journey towards performance



Increase MTBF with technology and design upgrades.



Asset performance – with predictive maintenance, understanding of root cause and appropriate technologies.



Plant output and availability – driven by performance KPIs.
Rotation for life.