

May, 2025

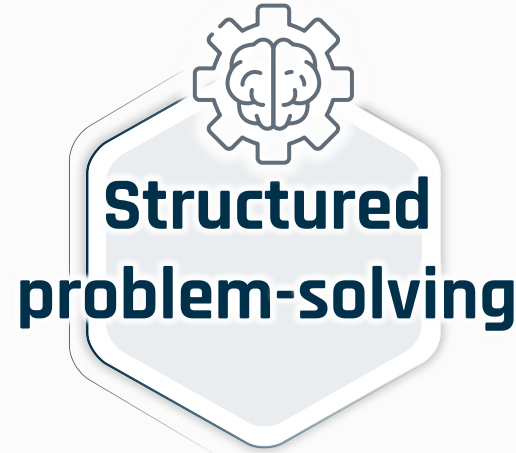
DATA-DRIVEN OEE IMPROVEMENT

Unlocking Continuous Data-Driven Improvements



PERFECT THE BASICS OF OEE IMPROVEMENT TO SAVE MILLIONS

The key to improve OEE is a structured problem-solving process and a good data understanding. In our projects, we see that both factors are often missing.



X



Suppliers are **burning millions** of Euros **with low productivity in production** due to **lacking methodology** and **data capability**.



Identify problems and prioritize countermeasures

Derive actions and **follow up** the implementation and with the results

Transfer problem solving into regular working mode

Ensure a powerful data architecture for data-driven OEE improvement

Identify top loss drivers per process step to prioritize overall actions

Analyze production data to derive effective measures

We combine **in-depth automotive, shopfloor,** and **digital expertise** to deliver **fast, impactful** and **sustainable** results



WHY DATA-DRIVEN OEE IMPROVEMENT IS IMPORTANT!

We analyze production lines holistically to uncover improvement potentials. Solving bottleneck after bottleneck.



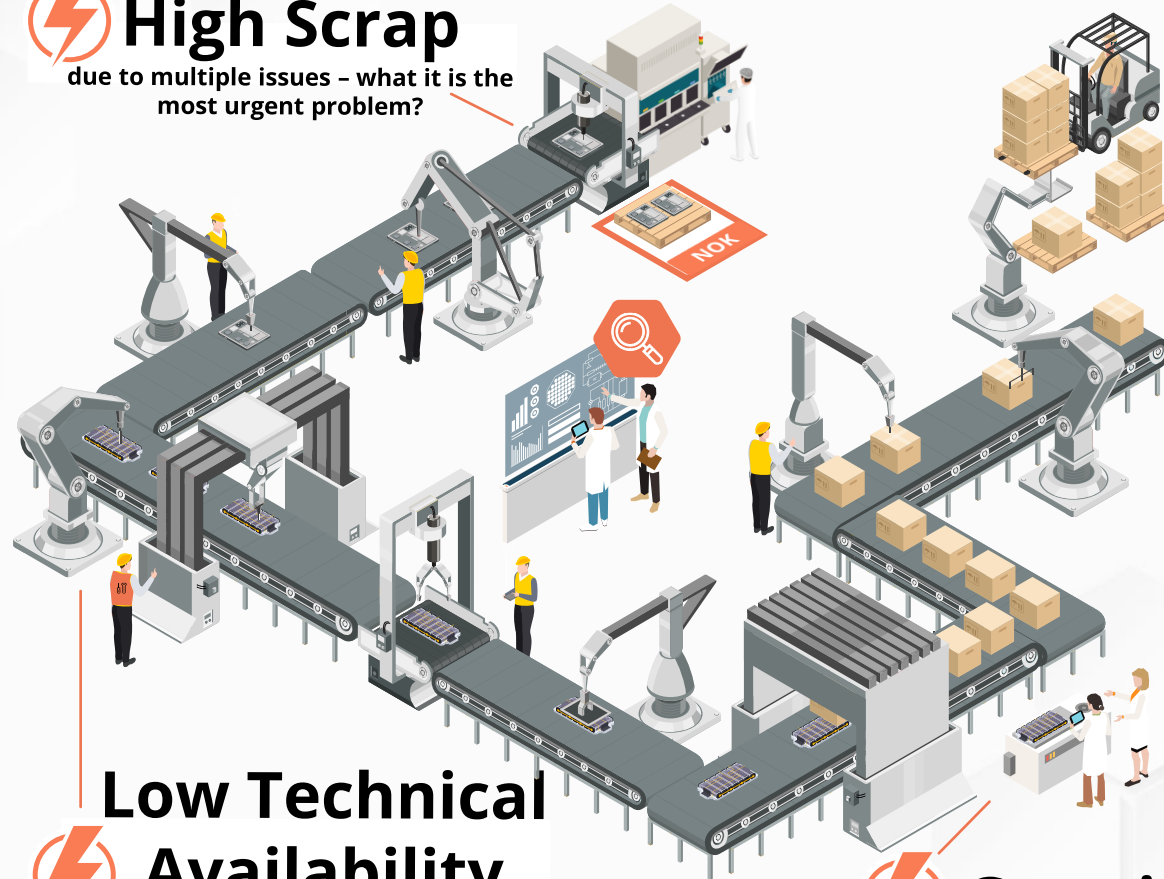
Benefits of a data-driven approach

- » **Live data reporting** to be implemented based on existing data structure
- » Quick reaction enabled with **cross-platform reporting** and **smart alert** function
- » If needed, **data structure requirements** can be **defined**, and implementation supported



High Scrap

due to multiple issues – what it is the most urgent problem?



Low Technical Availability

what causes downtimes?



Gaps in Performance

where is my bottleneck?

COMMENTS

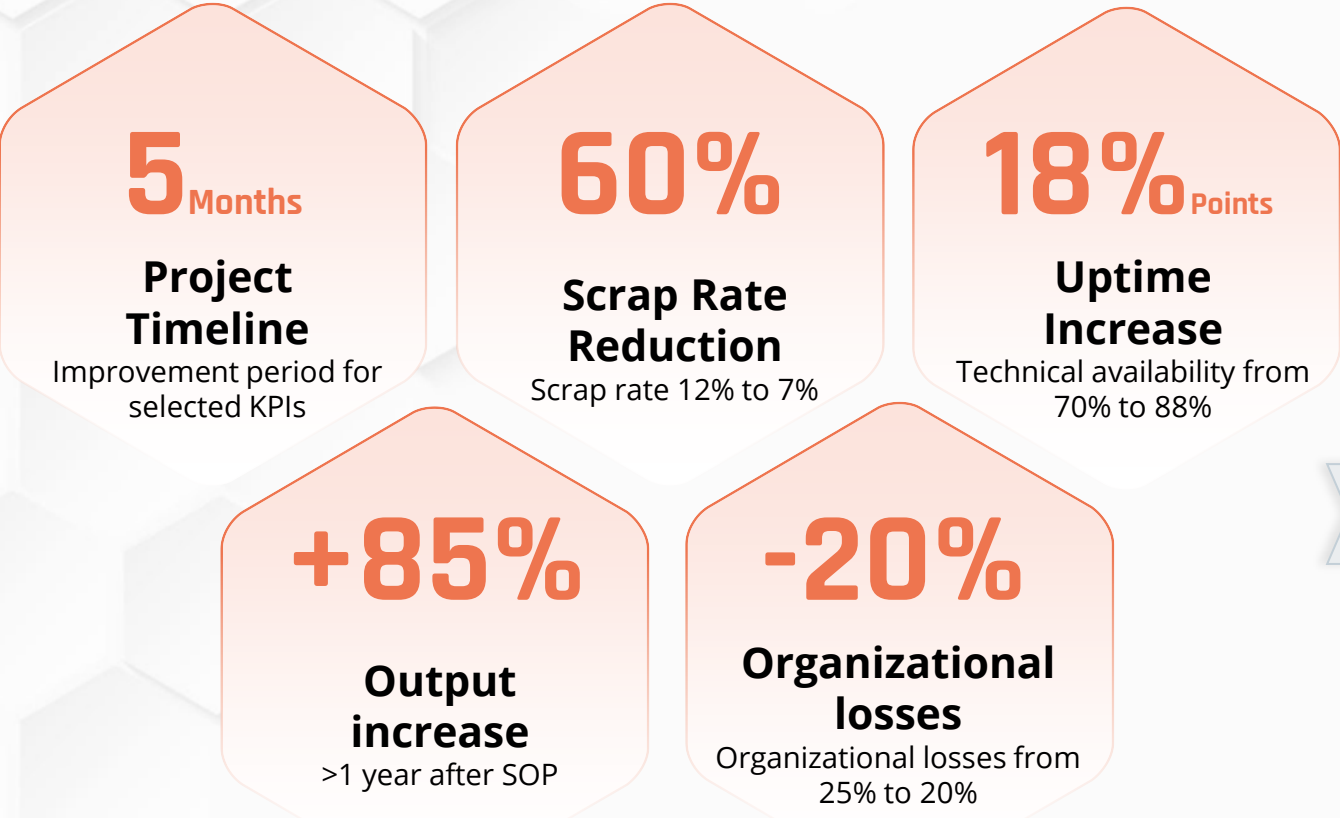
- » We are able to analyze and improve **complex production lines**
- » Identifying root causes for performance, scrap and availability issues require **in-depth knowledge of inter-relations between production stations**
- » **What we do:** data-driven analytics combined with a structured approach on how to prioritize and tackle issues



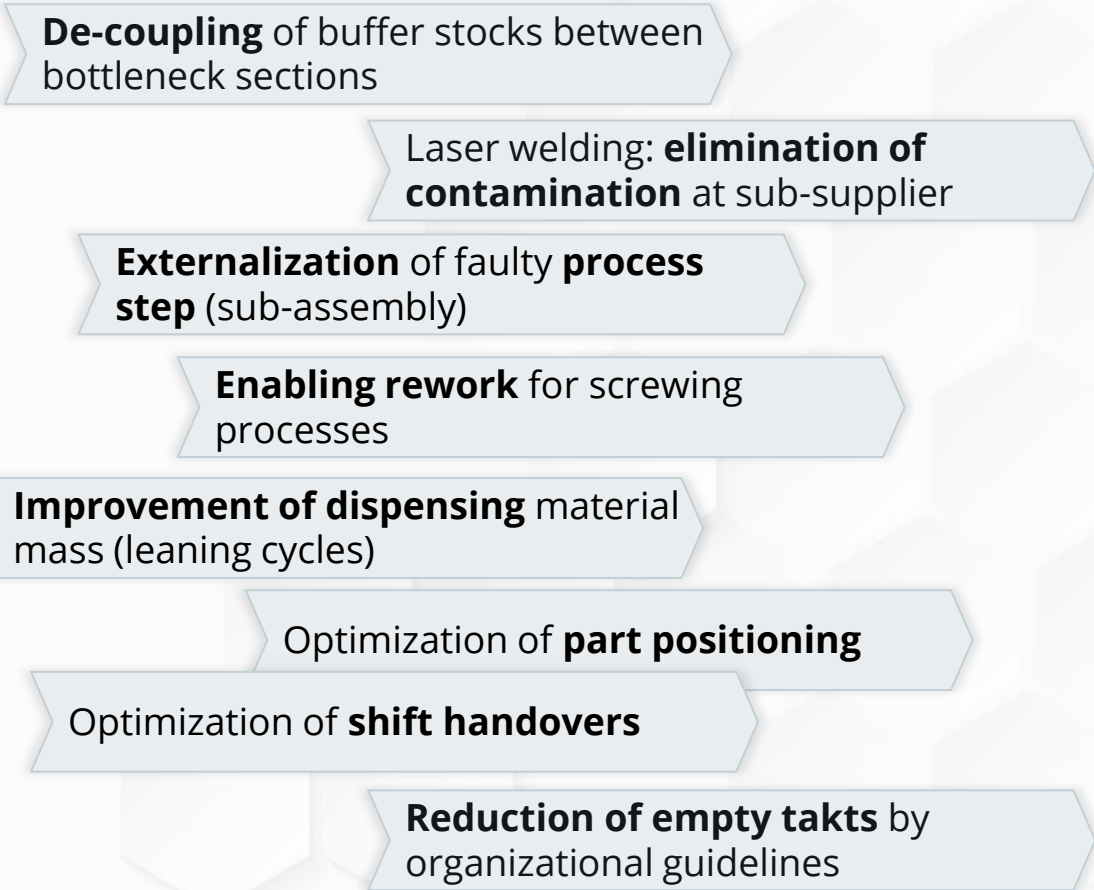
REAL LIFE EXAMPLE: BENEFITS OF A DATA-DRIVEN PRODUCTION IMPROVEMENT PROGRAM

Our client (Tier 1) was in a critical situation with supply backlogs and production output below OEM demand - we supported with shortage management and sustainable stabilization of production output and quality.

RESULTS



SELECTED MEASURES



Critical delivery situation stabilized by data driven improvement of a highly complex production set-up

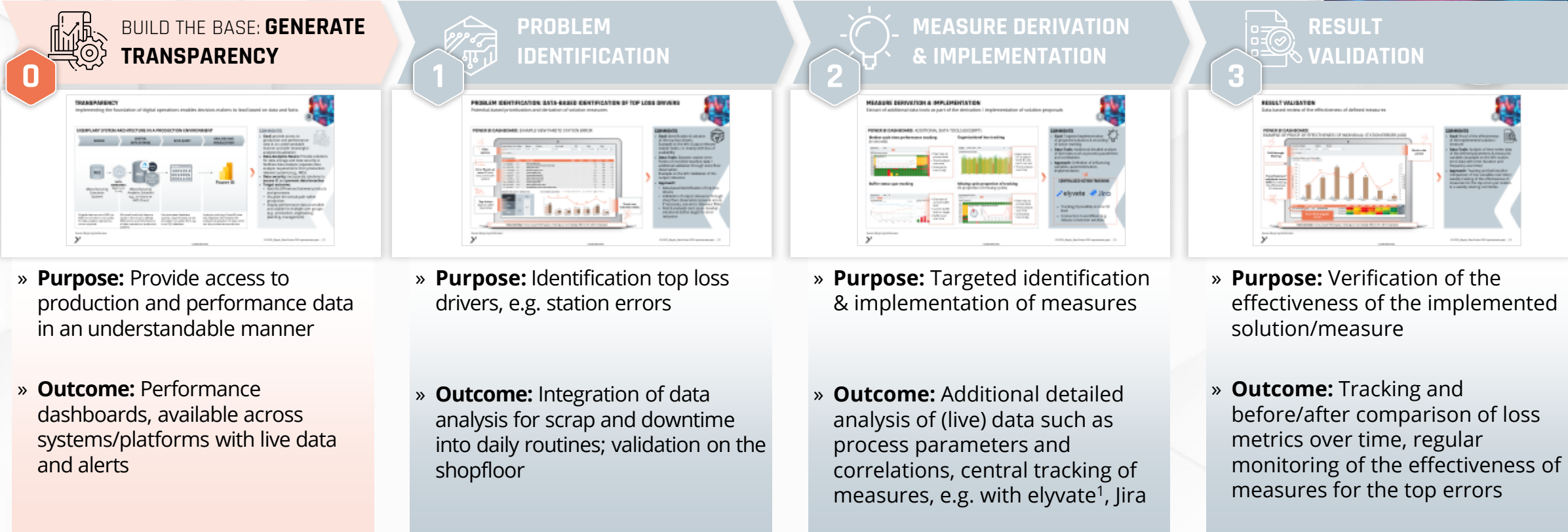


DATA-DRIVEN OEE IMPROVEMENT (CONTINUOUS IMPROVEMENT CYCLE)

Sustainable performance enhancement through a data-driven continuous improvement cycle, focusing on output, scrap and downtimes.



Methodology of individual improvement sprints (sprint duration approx. 4 weeks each)

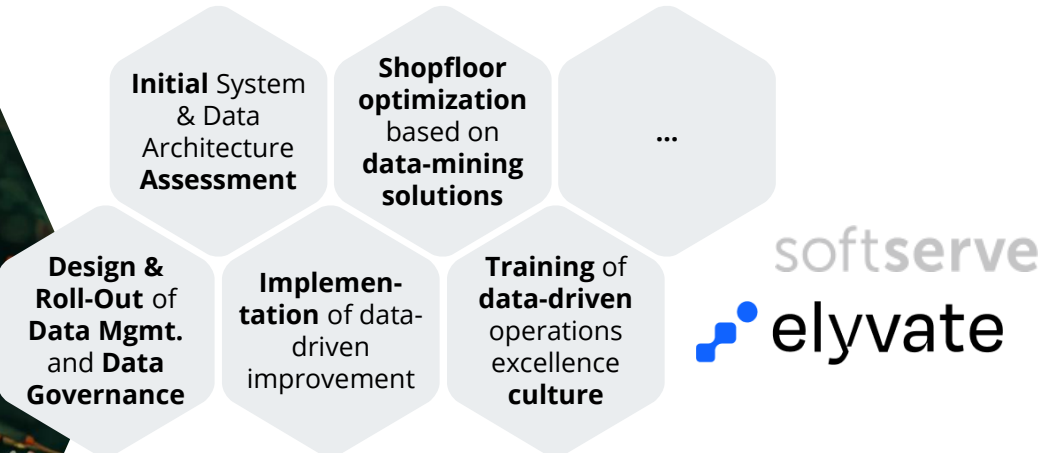


1: Digital Berylls Task Force Solution; for further information, click here: [elyvate · digital task force solution](#)
Source: Berylls by AlixPartners

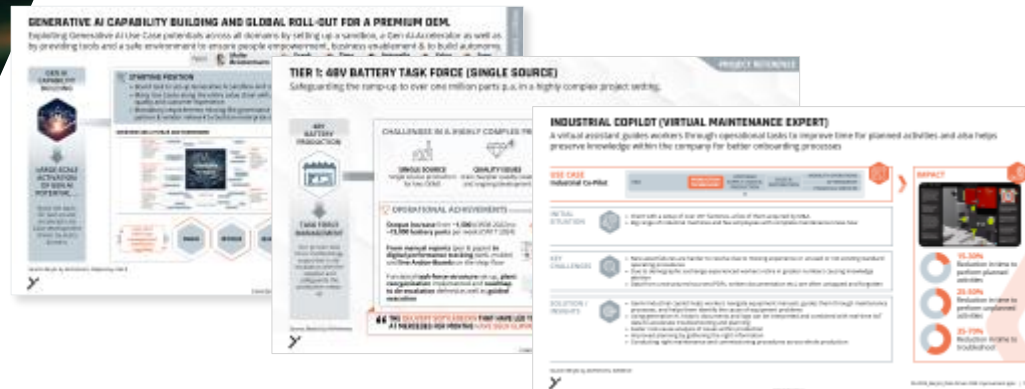


BERYLLS AS A TRUSTED PARTNER IN OPERATIONS AND DATA/TECHNOLOGY

OUR CAPABILITIES & TECHNOLOGY PARTNERS



SUCCESSFUL PROJECTS (EXCERPT)



Source: Berylls by AlixPartners

QUESTIONS YOU NEED TO ANSWER!

Do we know **what data is available** in our organization and do **we understand it**?

Do we know the **relevant data points** to facilitate data-driven optimization of our production?

Do we have **access to live production and quality data**?

How can I **derive issues** in production **from a large amount of data**?

How do we deduct **improvement measures efficiently**?

How do we **prioritize measures** to be most effective?

How do we establish **continuous improvement processes based on production data**?

To what extent do we rely on data to improve our production and **anker this in our culture**?



FRITZ METZGER

Partner

T: +49 151 17298381
fritz.metzger@berylls.com



TIMO KRONEN

Partner

T: +49 170 2238992
timo.kronen@berylls.com



STEFFEN HAGE

Project Manager

T: +49 151 72405074
steffen.hage@berylls.com

