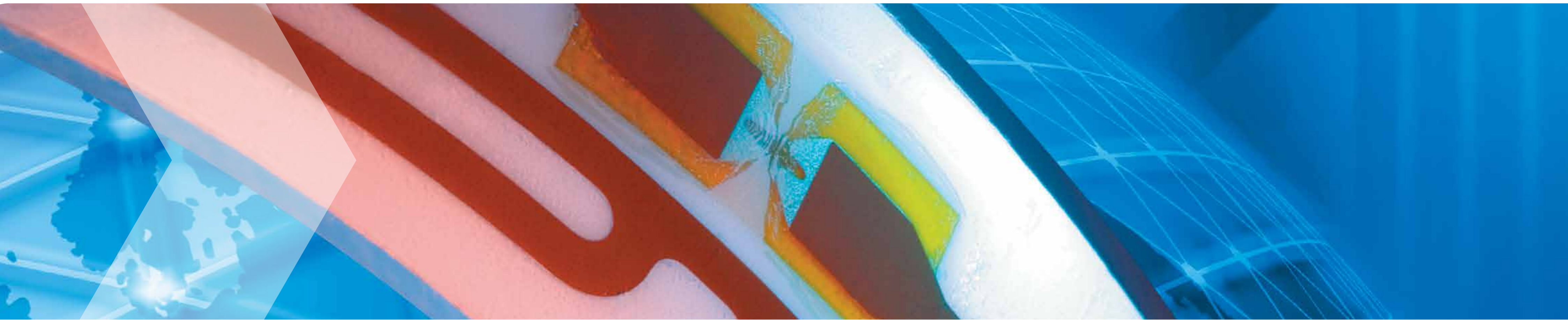# Automation Assessment Tool
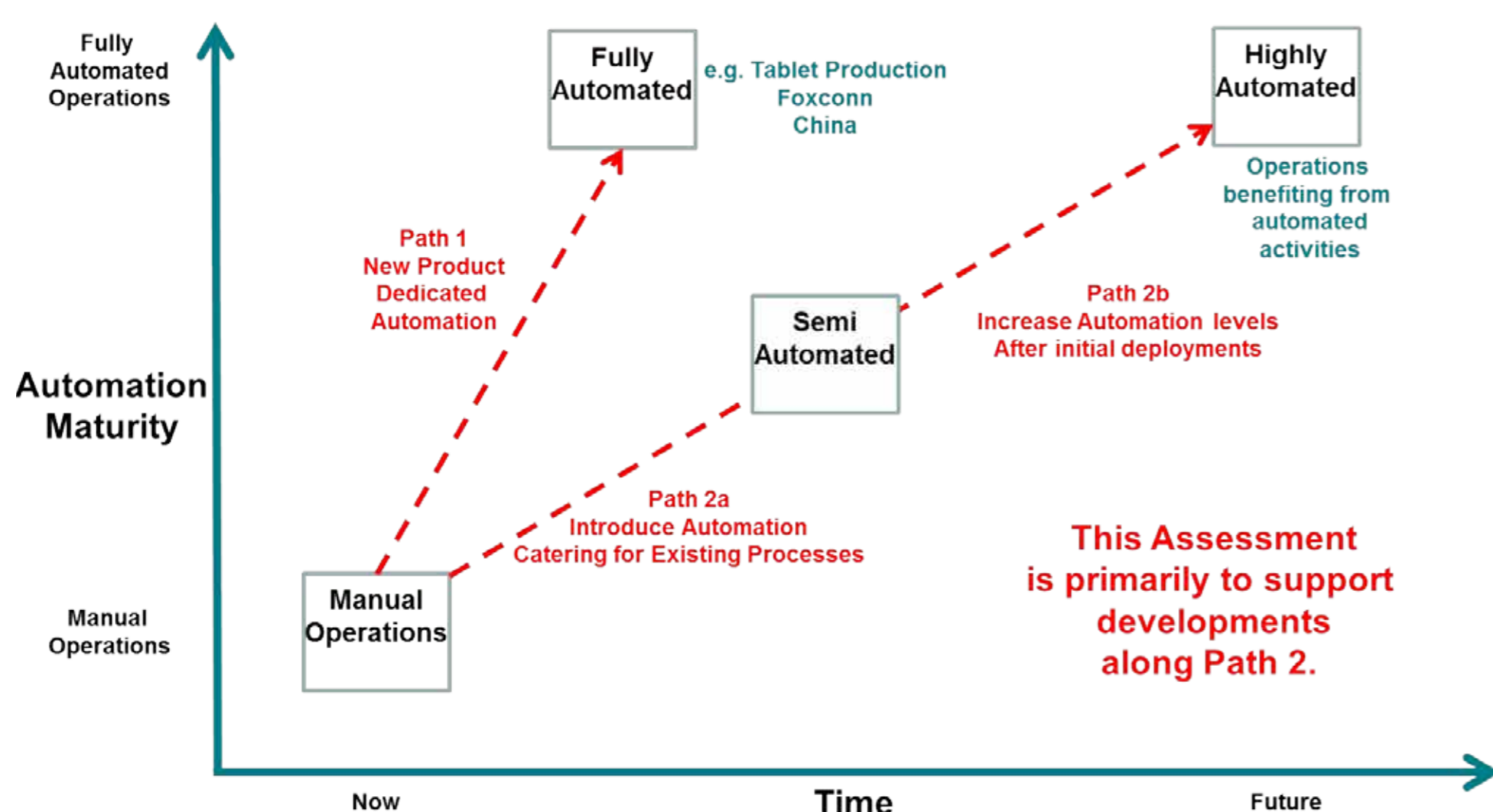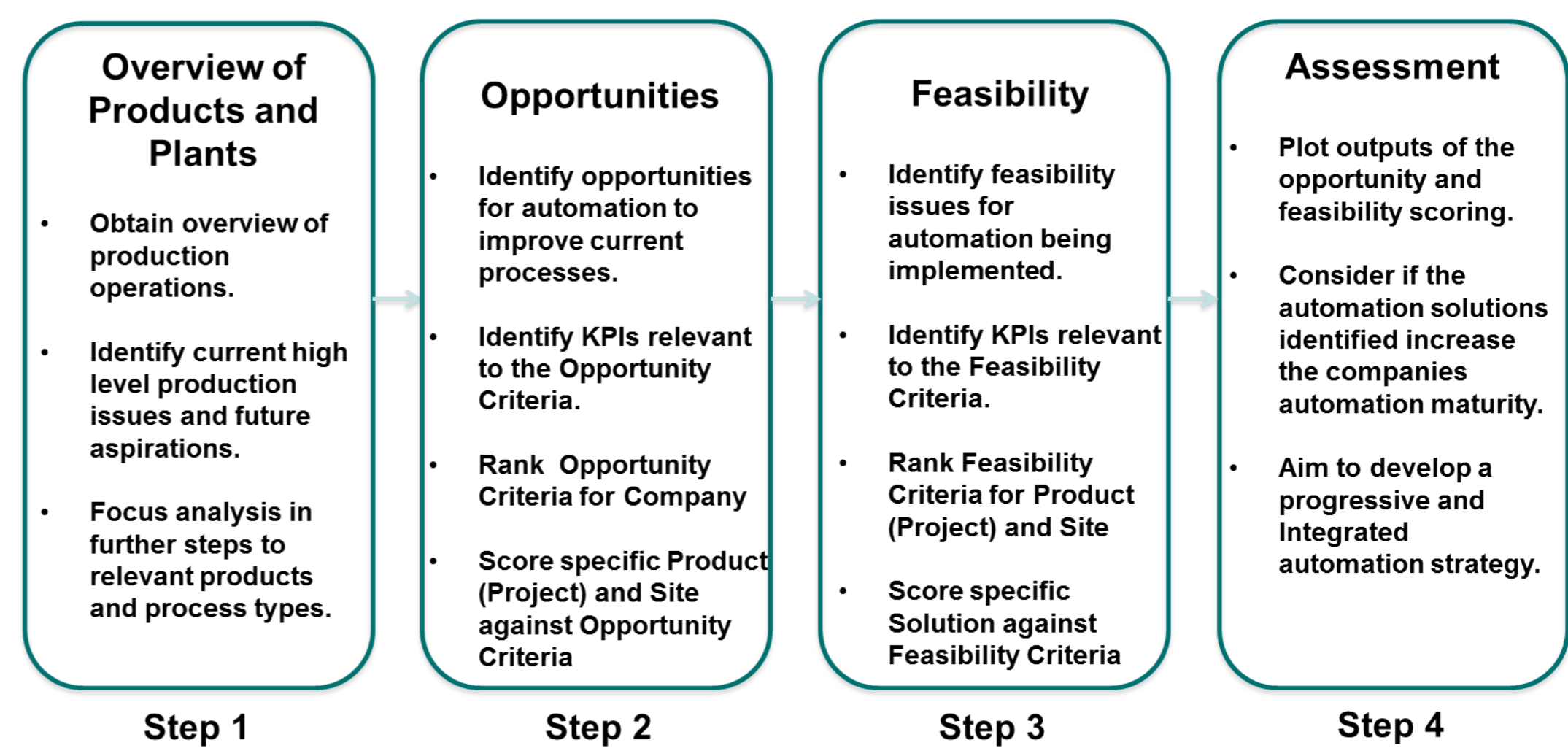

Automation Assessment Tool identifies:

❱ Quick and easy first step for a company to undertake when considering implementing automation.

❱ Quickly highlights not just which type of automation would be unfeasible and which require more investigation, but also whether it would be beneficial for a company to implement automation at all.

❱ It turns subjective, qualitative data into quantitative data.

❱ Able to deal with incomplete data set.

Automation Assessment Approach

Overview of Products and Plants	Opportunities	Feasibility	Assessment
• Obtain overview of production operations. • Identify current high level production issues and future aspirations. • Focus analysis in further steps to relevant products and process types.	• Identify opportunities for automation to improve current processes. • Identify KPIs relevant to the Opportunity Criteria. • Rank Opportunity Criteria for Company • Score specific Product (Project) and Site against Opportunity Criteria	• Identify feasibility issues for automation being implemented. • Identify KPIs relevant to the Feasibility Criteria. • Rank Feasibility Criteria for Product (Project) and Site • Score specific Solution against Feasibility Criteria	• Plot outputs of the opportunity and feasibility scoring. • Consider if the automation solutions identified increase the companies automation maturity. • Aim to develop a progressive and Integrated automation strategy.
Step 1	**Step 2**	**Step 3**	**Step 4**

Outputs of the Tool

The tool highlights and prioritises steps that should be taken to progress companies along the Automation Maturity Path

Previous work

JAGUAR | LAND ROVER

The tool has been used at FoxConn and Jaguar LandRover, who had the following view of the Automation Assessment:

❱ useful resource for JLR

❱ first step when considering the implementation of automation

❱ logical and structured way of considering automation opportunities

❱ highlights benefits and drawbacks that were previously unconsidered

Final graphical presentation of data "a good visual method of summarising the findings of the study".