



Automation and Robotic Projects

What to expect when you partner with us



Questionnaire

Get your automation ideas & concepts down on paper. Identify what "success" means for you. Think about your process's requirements, metrics, and constraints. We need to understand the "what" and the "why" of your process. This will lay the groundwork for the "how". i.e. do you need a fully automated system, a semi automated jig, a 6-axis cobot, a 3-axis robot, or some other solution?



Functional Design Specification

Together we create a Functional Design Specification (FDS) which defines the project and sets an agreed scope of work. Here we will specify the parameters of the solution and outline the mechanism of implementation, whether it is a reprogrammable robot or a semi-automated jig.



Concept

We create a concept(s) of the possible solution(s). This may include 3D CAD, conceptual layouts, & equipment specs.

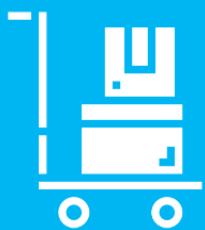


Development

Critical design sections are prototyped, tested, and validated.

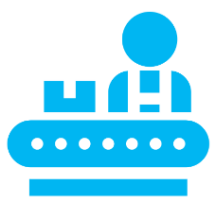
OmnaTec uses an agile, "fail fast" mentality to identify potential blockers and find solutions. As part of this phase high-risk items are procured and tested, and the overall design is finalised.

The FDS is updated with the developed solution, including hardware, software & interfaces.



Installation

Any remaining equipment is procured and integrated, and the project is tested by OmnaTec before being delivered and installed at your factory. A final hazard assessment is done as part of BS EN ISO 10218-2: Safety of Industrial Robots



Testing

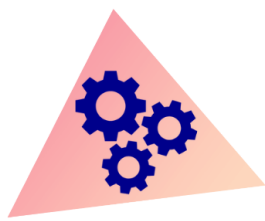
All testing as agreed in the FDS is completed. Any required changes are agreed upon and validated. The Factory Acceptance Test (FAT) will be documented and signed.



Handover

Ownership of the project is passed to you and the FDS is updated with any final items to reflect the "as-built" equipment. All documentation including the build pack and manual is provided. Customer training on the operation of the solution is conducted including basic robot or PLC programming for maintenance engineers.

START YOUR JOURNEY



Automation Solutions

Book a Meeting



Process Improvement

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