

R&D Support

Development support for Malaysian manufacturing SMEs moving from a product idea to a tested design and a defined production approach.



01

Product Concept and Design Development

Translate customer needs into product requirements and engineering concepts. Refine new or existing designs for function, manufacturability and value before committing to production.



02

Material Selection and Evaluation

Compare candidate materials against performance, manufacturing, cost and reliability requirements. Plan appropriate evaluations to support evidence-based material choices.



03

Prototype Build and Validation

Develop and test prototypes to check fit, function and design feasibility. Record test findings and refine the design before investment in full-scale production.



04

New Process Development and Characterisation

Develop new production routes through planned trials and process characterisation. Establish operating windows and assess repeatability and scalability before production transfer.



05

Engineering Documentation and Transfer

Prepare specifications, drawings, technical manuals and work instructions for developed products and processes. Organise the technical handover package to preserve design intent and manufacturing knowledge.