

Design Quality & Controlled Supply

How SDT turns the approved motor definition into validated evidence, a prepared production route and controlled ongoing supply.



THE DISTINCTION THAT MATTERS

Design quality comes before product quality

SDT'S CORE CONTRIBUTION

DESIGN QUALITY

Defines what the motor must achieve, which technology and interfaces are appropriate, and how performance will be verified.

CONFIRMATION OF THE APPROVED DESIGN

PRODUCT QUALITY

Confirms that samples and production output meet the approved definition through inspection, testing, traceability and release controls.

One connected route: validate the approved design, prepare the repeatable production route and control the released product through supply.

01

VALIDATE

Confirm requirements, interfaces and representative evidence against the approved motor definition.

02

PREPARE

Establish instructions, inspection criteria, traceability and the controlled route to production.

03

CONTROL

Maintain configuration, release evidence, change control and continual improvement through supply.

One Connected Quality Path

Engineering decisions, qualification evidence and supply controls remain connected throughout the product lifecycle.



CUSTOMER-FOCUSED EVIDENCE

What the controlled process can provide

- Approved requirements, specifications and revision status
- Prototype, first-article or qualification evidence where agreed
- Inspection and performance test records matched to acceptance criteria
- Certificates of Conformity, declarations and traceability where specified
- Controlled change, containment, root-cause and corrective-action evidence

IMPORTANT SCOPE NOTE

SDT is an independent motor, drive and motion solutions partner, supporting customers from application definition and engineering through product development, production readiness and controlled supply. Relevant certification and compliance evidence is confirmed for the selected production facility, product and agreed project scope, rather than presented as a universal SDT manufacturing certification.