

# Product development – DELTA services



Requirement specification methods | Maturity assessment | CMMI (Capability Maturity Model Integration) | SPICE (Software Process Improvement and Capability Determination), ISO 15504 | ImprovAbility™ | e-Products | Innovation process | Configuration management | IT consultancy | ISEB Tester Certification | Project management | IT consultant training | Courses and seminars | Quality Assurance | Process improvement management training | Development models | Process improvement consulting services | Process implementation | Networks (Tecpoint, SPM, EMC Club, Elteknisk Forum) | SPI (Software Process Improvement)

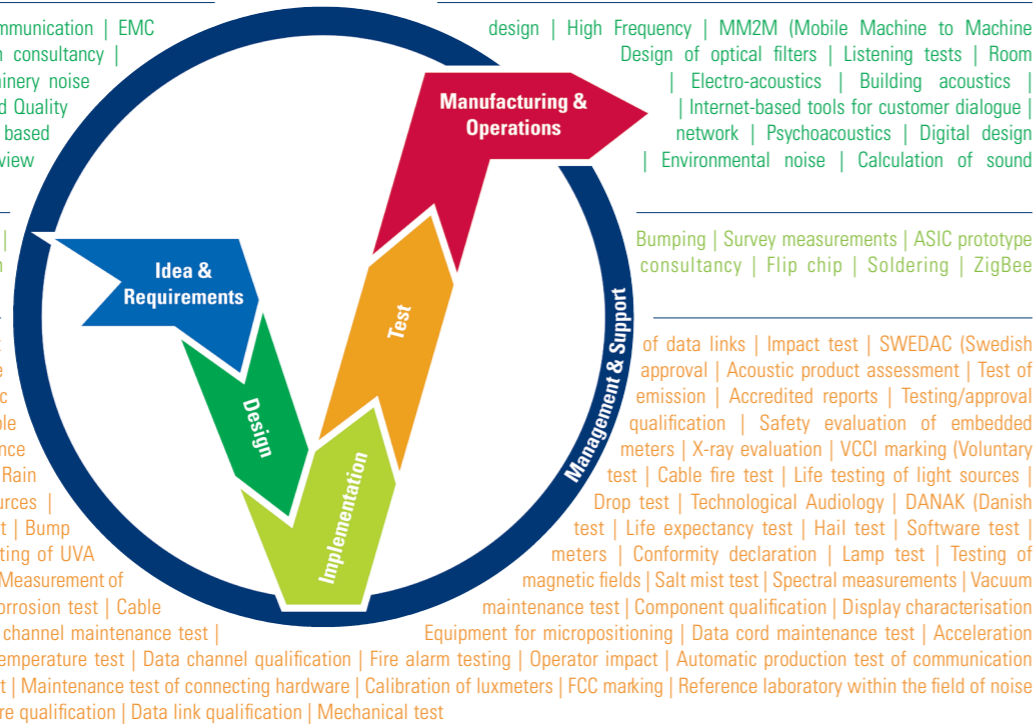
ASIC solution evaluation | Preparation of test plans | Product requirement specification | ASIC requirement specification | Quality Assurance | EMC requirements | ASIC feasibility study | Microsensor requirement specification | Preparation of requirement specification

A/D converter design | Secure wireless communication | EMC network) | Mentor Graphics tools | Design consultancy | acoustics | Image colour recognition | Machinery noise Acoustics of cultural buildings | Product Sound Quality Traffic noise | Environmental acoustics | Agent based | Design of optical systems | Design review insulation | Distributed wireless networks

Embedded programming on ASIC chips | development | Motion tracking | Design driver development

Reliability test | Marine test | Maintenance test Accreditation) | Toggle test | Automotive type electric immunity | Measurement of electric of VMS (Variable Message Signs) | Data cable software | EMC test | Calibration of luminance Control Council for Interference) | Dust test | Rain Measurement of luminous flux in light sources | Accreditation) | Wind energy | Moisture test | Bump Pressure test | Data cord qualification | Testing of UVA reflective material | Climatic test | CE marking | Measurement of test | Calibration of photometric normals | Corrosion test | Cable | Power over Ethernet (PoE/PoEP) test | Data channel maintenance test | test | Height simulation test | Shock test | Temperature test | Data channel qualification | Fire alarm testing | Operator impact | Automatic production test of communication equipment | Cable qualification | Vibration test | Maintenance test of connecting hardware | Calibration of luxmeters | FCC marking | Reference laboratory within the field of noise and vibration | Icing test | Connecting hardware qualification | Data link qualification | Mechanical test

Product troubleshooting | Noise analysis software | Remote monitoring of machines/equipment | Voltage quality | Calibration of acoustical measuring equipment | Environmental approval of noise | Equipment for measurement in bio processes | Measurement of light conditions | Measurement of supply chain management | HASS (Highly Accelerated Stress Screening) | Noise measurement | Production of optical systems | Acoustical noise measurement | EMC troubleshooting of electrical noise | HALT (Highly Accelerated Life Test)



design | High Frequency | MM2M (Mobile Machine to Machine Design of optical filters | Listening tests | Room | Electro-acoustics | Building acoustics | | Internet-based tools for customer dialogue | network | Psychoacoustics | Digital design | Environmental noise | Calculation of sound

Bumping | Survey measurements | ASIC prototype consultancy | Flip chip | Soldering | ZigBee

of data links | Impact test | SWEDAC (Swedish approval | Acoustic product assessment | Test of emission | Accredited reports | Testing/approval qualification | Safety evaluation of embedded meters | X-ray evaluation | VCCI marking (Voluntary test | Cable fire test | Life testing of light sources | Drop test | Technological Audiology | DANAK (Danish test | Life expectancy test | Hail test | Software test | meters | Conformity declaration | Lamp test | Testing of magnetic fields | Salt mist test | Spectral measurements | Vacuum maintenance test | Component qualification | Display characterisation Equipment for micropositioning | Data cord maintenance test | Acceleration test | Height simulation test | Shock test | Temperature test | Data channel qualification | Fire alarm testing | Operator impact | Automatic production test of communication equipment | Cable qualification | Vibration test | Maintenance test of connecting hardware | Calibration of luxmeters | FCC marking | Reference laboratory within the field of noise and vibration | Icing test | Connecting hardware qualification | Data link qualification | Mechanical test

# 80 %

of all products fail when tested!

DELTA wish to reduce this percentage and therefore we support you in all phases of product development – from idea to market

# From idea to market

– we support you in all phases of product development

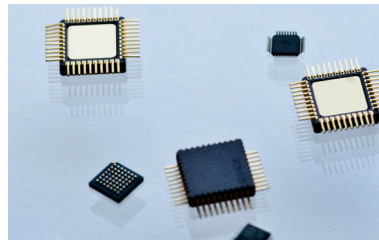
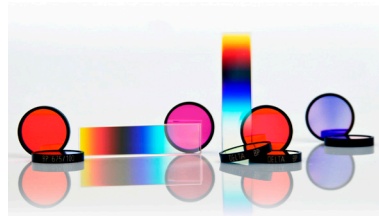
For all enterprises, success in introducing new products to the market is measured by profit and growth. So why is it that some companies are more successful than others in continuously introducing new and innovative products to their market?

Product development starts with a good idea. It goes through a number of stages including requirement specification, design, construction, test, production, marketing and field service. This process, hopefully, will translate the idea into profitable business.

All companies can improve their product development processes. Although creativity and good ideas are very important, one must not lose focus on every phase of the development process – from idea and business plan until a product is ready for the market. The development model introduced here illustrates the essential elements in our customers' processes. It illustrates these elements in a multi-level systematic view.

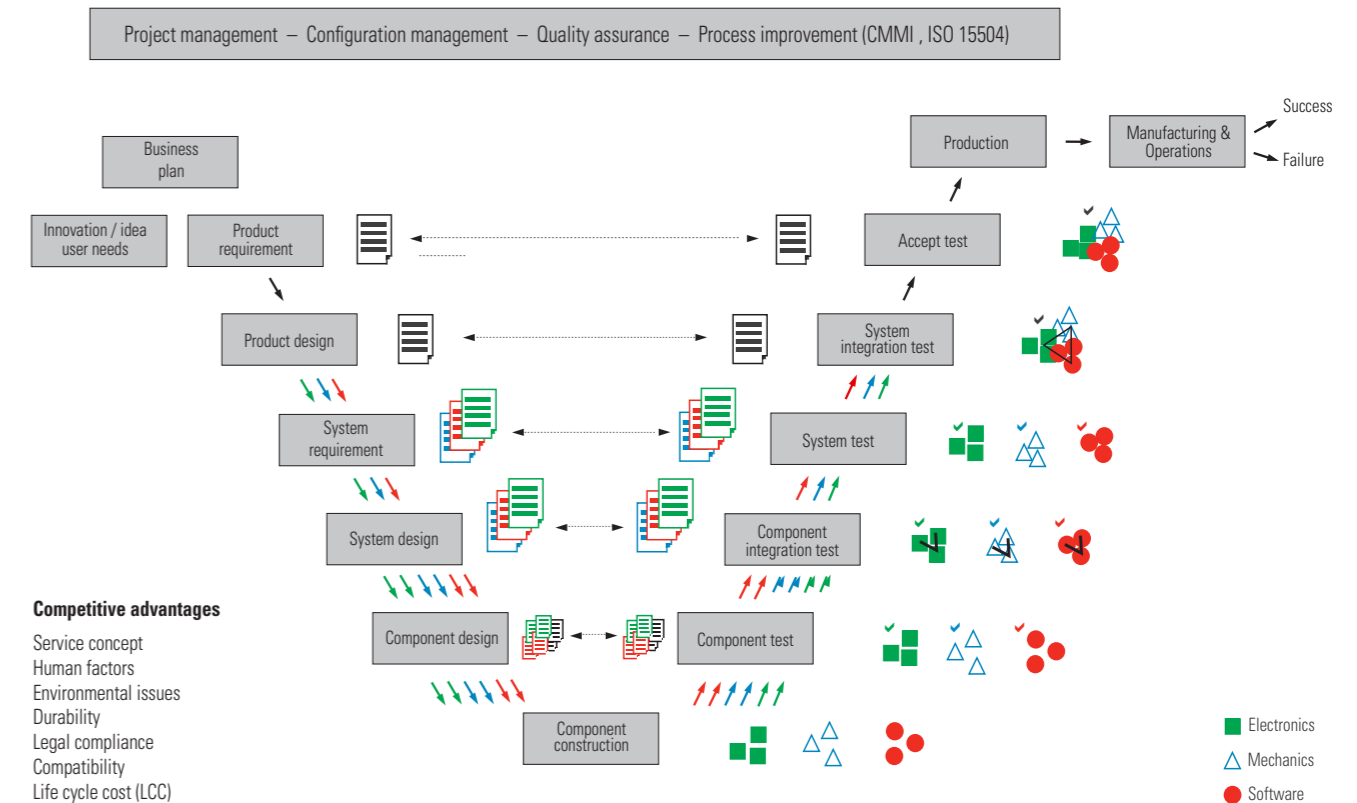
DELTA offers services and expertise which can significantly contribute to every stage of the product development process. Areas of expertise range from innovation processes to material analyses and from electronic chip design to acoustical noise measurements. Working with DELTA as early as possible in your product development project will yield the optimal results and ensure success.

DELTA's aim is to support our customers in the best possible way to achieve success. The success of your business is our success.



We help *ideas* meet the real world

# Product development model



## Efficient product development

The important aspect of this development model is that it emphasises the early activities associated with the product ideas, including requirement specification and design. At the same time it ensures that test specifications of the individual components, subsystems and products are developed at an early stage. This prevents development defects, which are time-consuming and expensive to correct at a later stage in the development process. In addition, this offers the opportunity of working with the vital elements to achieve competitive advantages including service concept, human factors, environmental issues, durability, legal compliance, compatibility with other products and the crucial life cycle cost.

**Make a head start · Capture all the competitive advantages · Remember the documentation · Control the development processes · Test efficiently and effectively**