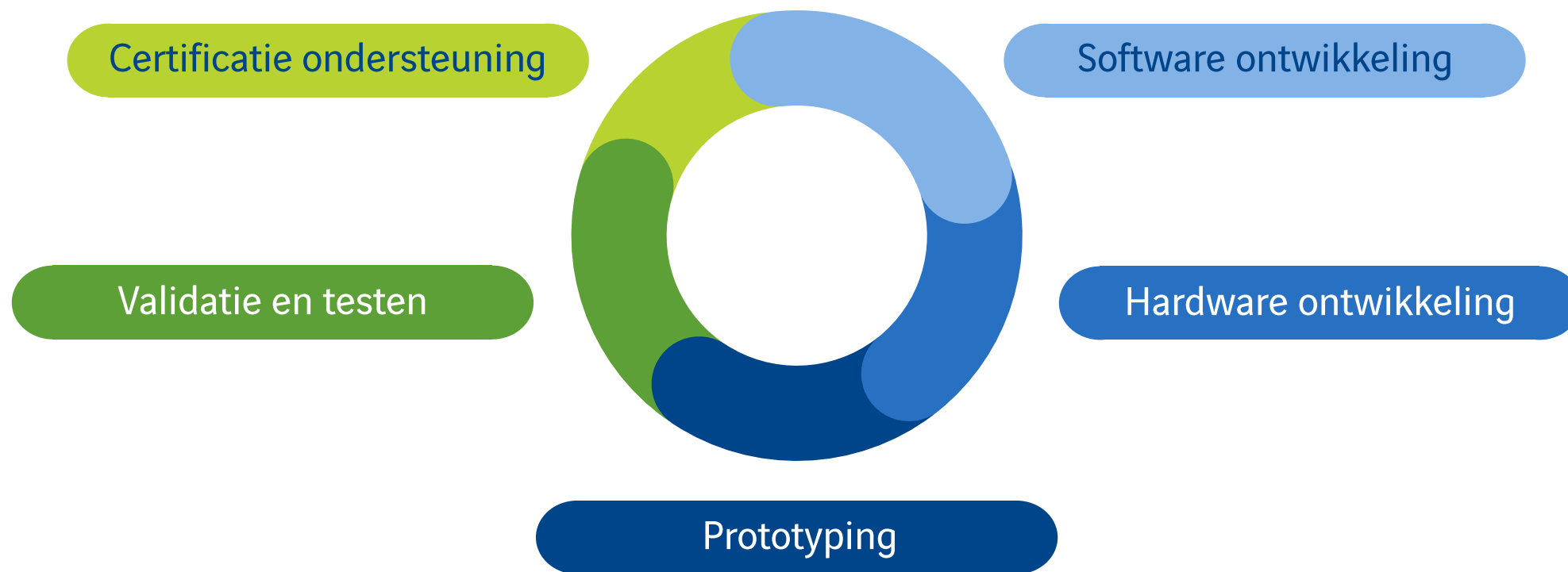




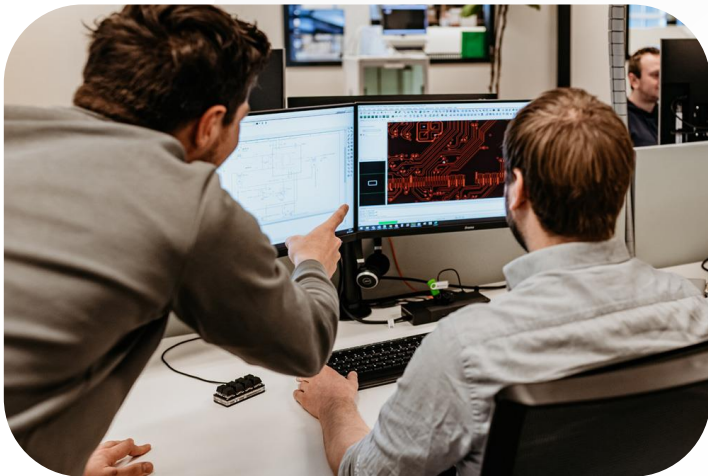
Actemium Elektronika Engineering



Ontwikkeling Services

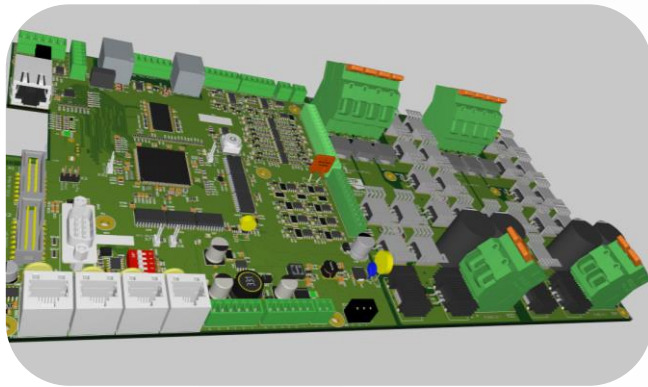
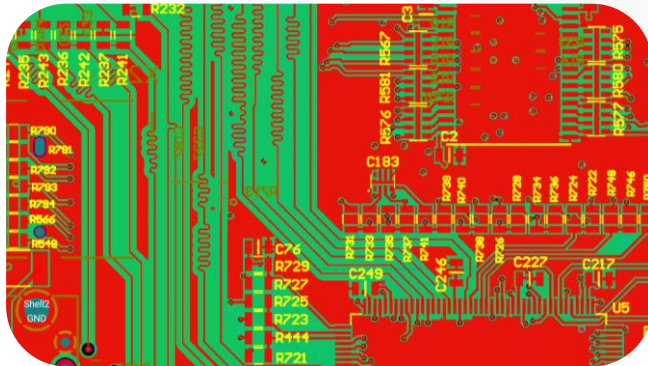


PCB Layouting Expertises



- ✧ **Software:** Altium 365 & Allegro: Expertise in advanced features for complex PCB design
- ✧ **Complexity:** 1-30+ Layers: Proven track record in multi-layer design, including high-density interconnect
- ✧ **Materials:** Rigid, Flex-Rigid, Flex: In-depth knowledge of material properties and selection for optimal performance.
- ✧ **Techniques:** Blind & buried vias, impedance control
- ✧ **DFM/DFT:** Optimized for Manufacturing & Test: Design for manufacturability and testability to minimize production costs and ensure quality
- ✧ **IPC-standards:** Our designs adhere to strict IPC standards for both PCB layout (e.g., IPC-2221) and manufacturing (e.g., IPC-A-610) to ensure product quality and reliability

PCB Layouting Expertises



3D-modelling

- ✚ Import and export of 3D STEP files
- ✚ Ensures mechanical fit within enclosures via STEP file exchange

Verification

- ✚ Integrated process for library component quality & advanced DRC for design rule adherence
- ✚ Advanced DRC (Design Rule Check) to verify if guidelines are following
- ✚ In-house developed engineering checklist used to find possible issues

Other options

- ✚ Seamlessly import existing designs & libraries from popular CAD platforms, like DxDesigner, PADS, Expedition, Allegro, OrCAD, CADSTAR, CR-5000, Autocad DXF
- ✚ Comprehensive TPD (Technical Product Documentation) including ODB++/Gerberse, schematics, layouts, stack-up details, pick & place data, assembly drawings, and BOM

Productie Services



Productiediensten

- ✚ Prototyping & serie productie
- ✚ PCBA en module-assemblage
- ✚ High mix – lage tot middelgrote volumes
- ✚ Soldeertechnieken (reflow / hand / selectief / wave)
- ✚ Reiniging en cleanliness
- ✚ Testen (functioneel, ICT)
- ✚ Partnerschap met Xray en Flying Probe testen
- ✚ Rework en repair services
- ✚ Visuele inspectie
- ✚ Coaten en potten (zelf om met partner)
- ✚ Klant-specifieke verpakkingen

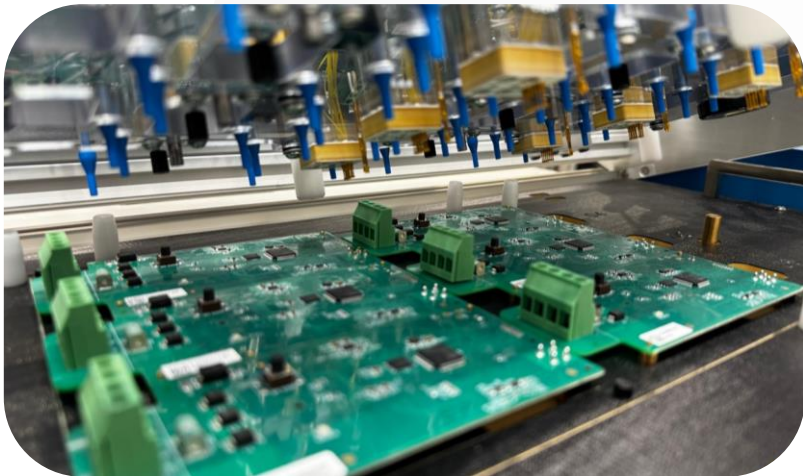
Prototyping / kleine series

- ✚ Kortst mogelijke doorlooptijd
- ✚ Feedback over produceerbaarheid

Serie productie

- ✚ Laagst mogelijke prijsstelling
- ✚ Optimale doorlooptijden

Testerontwikkeling



- ✧ Voorstel testconcept
- ✧ Ontwerp & realisatie van testopstellingen
- ✧ Ontwikkeling van testprogramma's
- ✧ Analyse/rapportage van testdekking
- ✧ R&R-analyse/rapportage

Kwaliteit



ISO 9001/2015



IPC-A-610 Class 2



ESD veilig
RoHS & Reach Compliant



Certificaat van Compliance

