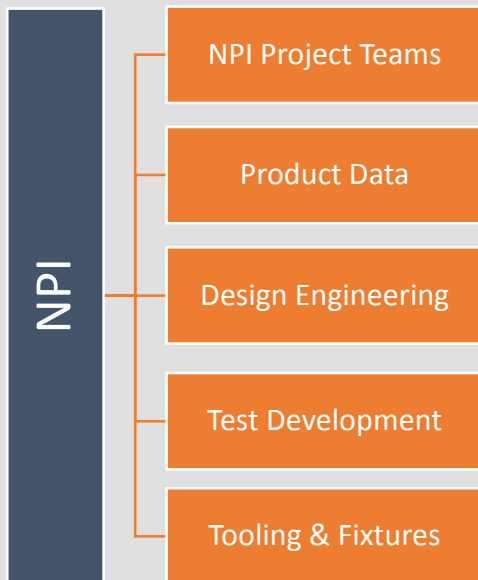




Focus: New Product Introduction (NPI) - Industrialization

The NPI stage is one of the most critical stage in the phase of industrialization. Our experienced NPI team coordinates & documents the introduction of new and re-introduced products. In this stage, we ensure that all major incompatibilities are discovered and adequate feedback and actions are undertaken, so our Customers can benefit from shorter time-to-market, higher quality and potential cost-efficiencies.



Reliable NPI Process

- Dedicated NPI Project teams
- NPI Project Management software
- Design Engineering services
- DFM analysis
- CAD/CAM – 3D modelling
- Various Tooling design & build
- Alternate / Obsolete Management
- Functional Test Development
- ICT test fixture development
- Product-certification implementation (eg. CCC, UL, TUV)



ISO 9001: 2008
ISO 14001: 2010
ISO 22301: 2013

Assel is a reliable and flexible contract manufacturing provider, offering electronics assembly, as well as production solutions, that integrate cable, electronics, mechanical & non-electronic parts: from sub-assembly's to fully tested finished products. All our operations are supported by sophisticated software solutions and continuous improvement programs.



Focus: New Product Introduction (NPI) - Industrialization

General Information

- **Key Information on New Product Introduction Projects**
 - Thousands of successfully new product implementations (PCBA & Box Build)
 - Dedicated NPI project managers & experienced process engineers (electronics/mechanical)
 - Green and Black Belt Lean/Six Sigma engineers / IPC-A-610E trained
 - Full support in the industrialization stage, based on Customer needs

- **Product Data Management**
 - Product Data analysis (verification of documentation)
 - Obsolete / End-of-Life component analysis
 - Work Instruction based on Product documentation & process requirements
 - Sourcing of alternative components

- **Process & Quality Tools and Equipment**
 - Preparation Dedicate NPI project management software with direct communication to ERP
 - Process Flows & Control Plans, PPAP and other Quality Tools
 - Design for Manufacturability (DFM) analysis
 - Program preparation: Screen Printing, Pick & Place, Radial/Axial, SPI, AOI, IC Programming
 - Reflow/Wave Profile preparation (KIC 2000 technology)
 - Test Development & Test process preparation and engineering
 - Traceability & History management
 - Extensive post-NPI reports with FMEA/PFMEA analysis, improvement suggestions with critical cost & quality areas
 - After-NPI process optimization & continuous improvement

Find more on www.assel.pl

Contact our Sales team at: sales@assel.pl or +48 58 76 75 900





Focus: New Product Introduction (NPI) - Industrialization

- Tooling & Fixtures
 - Design & construction of various complex tooling for PCBA and Final Assembly processes, eg.
 - SMT tooling design & build, eg. stencils
 - Wave solder pallets design & build
 - Specific tools and jigs for PCBA assembly processes
 - ICT Fixtures design & build
 - Box Build / Systems Integration jigs &
- Software Solutions
 - Dedicated Secure Product Data Management database with direction connection to ERP
 - Dedicated NPI project management software with direct communication to ERP
 - Valor vPlan (Mentor Graphics)
 - View Mate Pro
 - Lab View
 - Autodesk Inventor Professional 2014
 - AutoCad