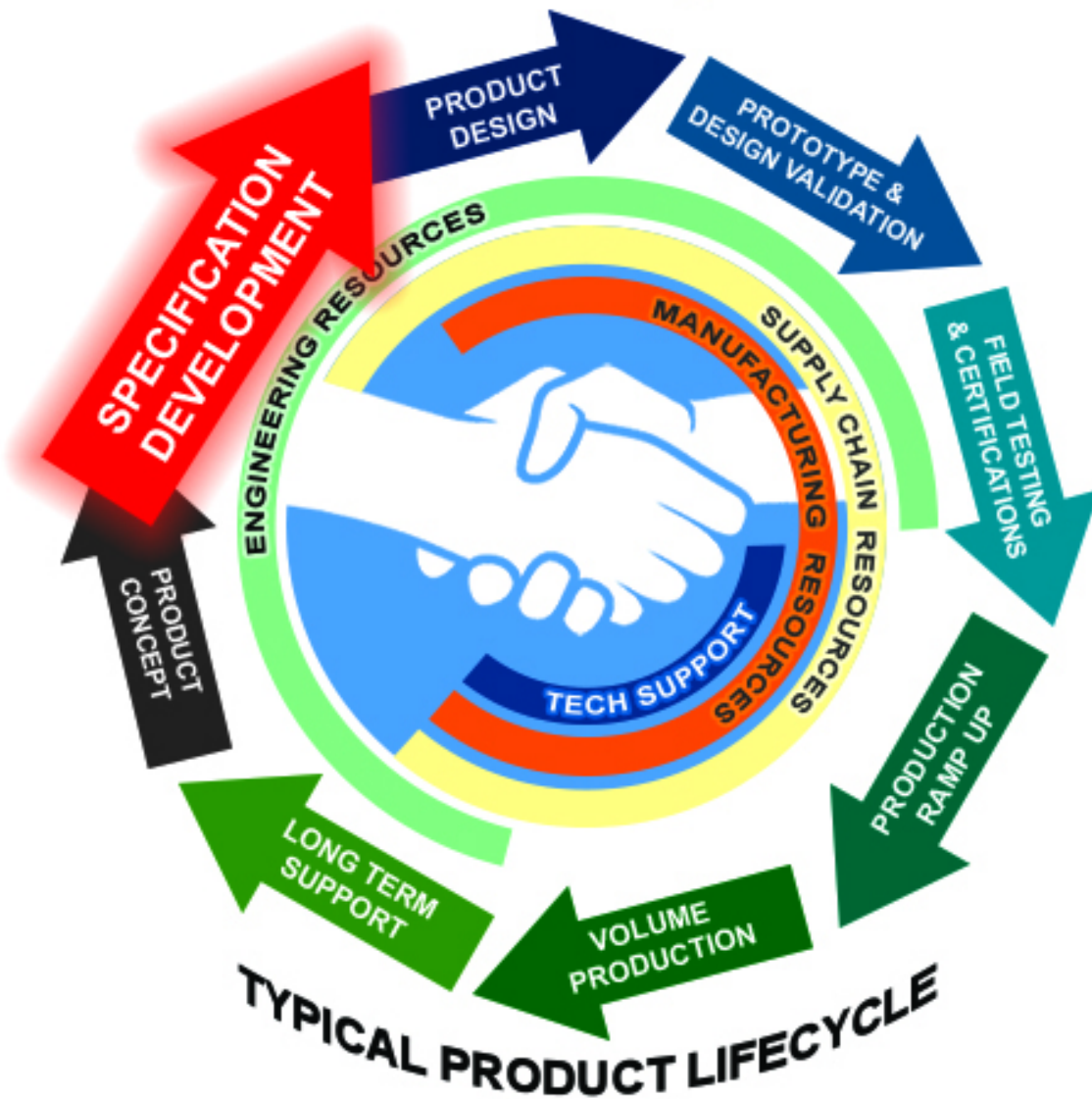


Divelbiss E-Newsletter - June 2021

June 17, 2021

Divelbiss is your Electronics Design and Manufacturing Partner



The second stage of the product life cycle is **Specification Development**. Specification development includes detailed discussions and identification of important design criteria, including:

- Defining the project scope
- Technical discussions of currently required product features and future product features
- What testing and certifications are required (UL/CSA/CE/HAZLOC)
- Environmental requirements (Temperature, Humidity, etc.)
- The product's form factor and foot-print
- Definition of the product's functionality
- Determination of the development time frame

Divelbiss works with you to develop your product specification. Results of working with Divelbiss include:

- A detailed specification is developed to ensure that a clear vision of the project is shared between Divelbiss and you.

- Minimizes unanticipated engineering changes during the course of the project.
- More accurate estimates of product (production) and project (design) engineering costs
- Access to an engineering group with experience in many technologies and a diverse product design history

Electronics Supply Chain Volatility

So far in 2021, the electronics supply chain has been volatile with part shortages, part disruptions, price increases and long lead times. Electronics suppliers expect these disruptions to continue through at least 2022.

During this semiconductor volatility period, Divelbiss Corporation can assist with finding solutions including:

- Finding replacement components (alternative parts) with similar or same specifications.
- Partial redesign of electronic circuits, replacing problem components with ones more widely available.
- Complete product redesign if appropriate.
- Manufacturing / Contract Manufacturing using our supply chains to source components.

Standard Product Update

The semiconductor and chip shortage also affects our standard products. We are working to forecast, maintain and source components to ensure timely deliveries. While we diligently work to contain and control costs, some products may see price increases as a result of the current supply chain state.

