

Next generation electronics design

What is the 'next generation of electronics design'?

Electronics technology is rapidly changing. As today's connected, intelligent devices continue to get smarter, faster, smaller and cheaper, design disciplines have merged, team collaboration across wider ecosystems is now essential, and software-centric design is the key to achieving long-term, sustainable product differentiation.

Developing the electronics for these next generation products requires a completely new approach. An approach that rejects yesterday's ad hoc method of loosely-connected, disparate tools and replaces it with a single, unified design solution. An approach that brings together all aspects of the design process to enable designers to create new products, in new ways.

Only Altium provides a solution for next generation electronics design, from concept to reality.

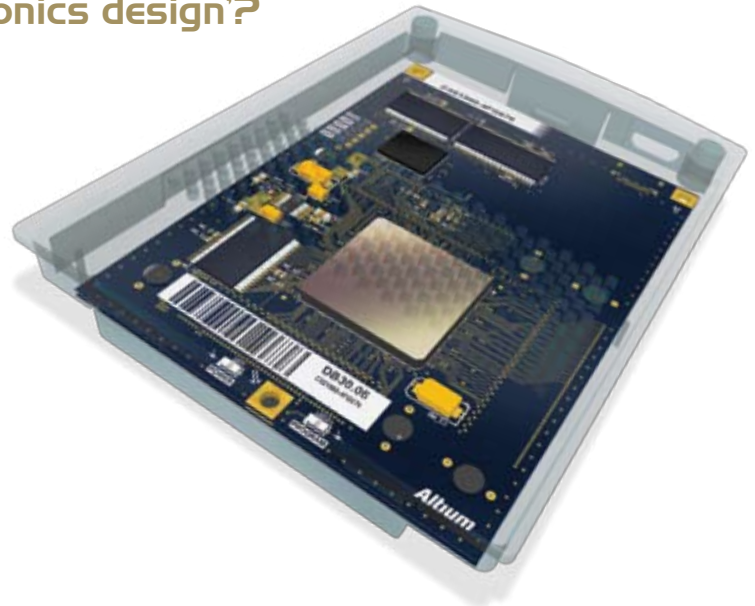
How does this new approach work?

Altium's solution for next generation electronics design works with a single model of the design data within a single application while managing a single design process. This allows 'soft' design to become the center of the process, allowing engineers to easily explore concepts, new devices and technologies without committing to hardware, then when ready, rapidly take them through to custom board design and out to manufacture.

Next generation design dramatically simplifies the entire development process by eliminating the disconnected, sequential set of processes of traditional design systems. It enhances collaboration, simplifies the relationship between the electronics design team and the rest of the organization, and allows design teams and data management systems to plug into a single, easy-to-use design environment.

Why do I need to move to a next generation design solution?

Yesterday's multifaceted electronics design process has reached the limits. No matter how much you might improve and refine the connectivity between siloed applications and their individual data systems, they are still restricted to a sequential design process limited by a myriad of interfaces, design files and methodologies. Put simply, applying incremental improvements to an approach that dates back to the birth of electronics design will no longer cut it.



Altium's new approach to electronics design not only improves the way you can design today, but equips engineers and their organizations for the future. Taking a single approach to product design simplifies the entire process and creates a coherent data system within your organization. It enables design team collaboration, brings soft design into the centre of the process and dramatically frees designers to create the next generation of innovative electronic products.

How will a next generation design solution help me?

In many ways including:

- > **Concept exploration** – Rapidly explore design concepts, devices and technologies without having to first commit to and build hardware. You can focus right from the outset on the crucial parts of the design.
- > **Rapid PCB design and go-to-manufacture** – At all times, everyone in the design process plugs into a single 3D design environment, making it easy to go to manufacture in a structured and secure way. Version control, making and identifying design changes, and managing design data are all made fast and convenient with Altium's solid change management capabilities built around a single data model.
- > **Enhanced collaboration** – Plug your electronics design team into the wider organization – and dramatically simplify the relationships between all those involved in the wider electronics product development process. Altium's unified design approach, with a single design environment and data model, allows easy interface with the manufacturing, mechanical design & component management functions within your business.