

HIGH-TECH

ACCELERATED DEVICE



Small and medium-sized companies are significant drivers of innovation in today's global high-tech marketplace. However, to conquer markets and stay ahead of their competition, they need to rapidly get their products to market, to scale, and to diversify – all while staying agile and adaptive to market dynamics.

The **Accelerated Device** Industry Solution Experience powered by Dassault Systèmes' **3DEXPERIENCE®** platform is specifically tailored for these mid-market high-tech innovators. It provides your teams with the critical capabilities they need to connect electronics, mechanical and software engineering with requirements and project management, as well as with external partners. This helps to accelerate the new product introduction process and manage it more efficiently.

Sustainable innovation comes with major challenges. Product, project, design, engineering, simulation, manufacturing preparation: They all change constantly and need to take parallel action 24/7, from early ideation to product launch and beyond.

This is the purpose of the **Accelerated Device** solution, powered by the **3DEXPERIENCE** Platform.

Successfully address your consumers' needs, wants and priorities

Every day you watch, listen and dashboard the web to track real market opportunities. Social market intelligence delivers the automation engine you need to do so. Product teams save time and energy to assess trends, technology and competition. Social ideation fuels extended team members' ideas on a secure online platform for productive collaboration. Designers develop the best ones with creative concepts, to invent the exciting experiences consumers are looking for. Decision making becomes live 3D immersive emotional experiences, on-site or remote.

Provide invisible governance across agile operations

As cycle time is one of the most critical success factors today, engineers cannot allocate time to non-value-added activities. With the **Accelerated Device** solution, teams benefit from connecting business and engineering assets for maximum productivity. Keeping projects on track, the unified architecture provides real-time dashboards for schedules, milestones, resources, and costs from work-in-progress data.

Orchestrate multi-discipline collaboration for your smart devices

Delivering competitive electronics experiences under time-to-market and cost pressure is a daunting task, requiring a perfect alignment of all engineering disciplines. **Accelerated Device** synchronizes all your engineering teams. Mechanical parts and components, electronic printed circuit boards and software are all managed on the **3DEXPERIENCE** platform, providing traceability for cross-discipline workflows. Together, these capabilities optimize the re-use of existing projects, while helping meet regulatory compliance and production requirements.

As design decisions are taken at any stage, product engineers need to understand their impact on their on structural, thermal

and electro-magnetic performances. Multi-physics simulation provides occasional and expert engineers with the capabilities to explore more options than physical tests would allow them to. Fostering re-use and front-loading of expert knowledge, they can thoroughly validate the demanding specifications constituting smart devices, delivering more innovative options.

Achieve an optimal manufacturing plan right-first-time

Global demand volatility and multiple configurations make smart devices manufacturing particularly challenging. Why waiting for the final product release before starting to prepare production lines? With **Accelerated Device**, product line planning and manufacturing operations can be initiated, visualized and validated up-front. Assembly work instructions can directly feed the shop floor when time comes for production launch. This is the magic of the digital thread!

Get ready for product launch!

Global field marketing and sales teams have less and less time for their product launches. At the same time, your design and engineering teams already have many of their 3D assets ready. How about leveraging them to prepare the creation of high-end visuals even before any prototype exists? They can be used for multi-channel marketing campaigns and for the early enablement of sales teams and partners. Create premium content in high-resolution, contextualized in multiple scenarios, and take advantage of best-in-class rendering technologies for jaw-dropping impact!

KEY BENEFITS

- Boost great ideas to enrich your innovation pipeline
- Target zero project delays with seamless integration between project management and engineering
- Reduce time-to-market with unified multi-disciplinary engineering collaboration and integrated simulation
- Accelerate manufacturing ramp-up by providing easy data access and review capability to the shop floor
- Leverage engineering data to boost marketing efficiency with high-end visuals

For more information on **Accelerated Device**, visit our website: <https://ifwe.3ds.com/high-tech/accelerated-device>

Our 3DEXPERIENCE® platform powers our brand applications, serving 11 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3DEXPERIENCE** Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating 'virtual experience twins' of the real world with our **3DEXPERIENCE** platform and applications, our customers push the boundaries of innovation, learning and production.

Dassault Systèmes' 20,000 employees are bringing value to more than 270,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit www.3ds.com.

