



# How to Improve Embedded GUI Development Efficiency Using a Collaborative Workflow

Taking advantage of all Crank Storyboard has to offer means understanding its workflows and deciding how to best fit them into your workday. While some of the practices presented here may be different than what you're used to, we firmly believe that the benefits of collaboration, rapid validation, and efficiency will be more than worth it.

At any time, we encourage you to visit our [Help Center](#) and [video library](#) for more detailed information on how to use Crank Storyboard.

## What you'll learn:

- Pitfalls of traditional embedded GUI development workflows
- Collaboration techniques between designers and developers
- Architecture of Storyboard applications
- Techniques for validating on real hardware
- Ways of verifying messages between the backend system and your GUI



## The pitfalls of traditional development workflows for embedded GUIs

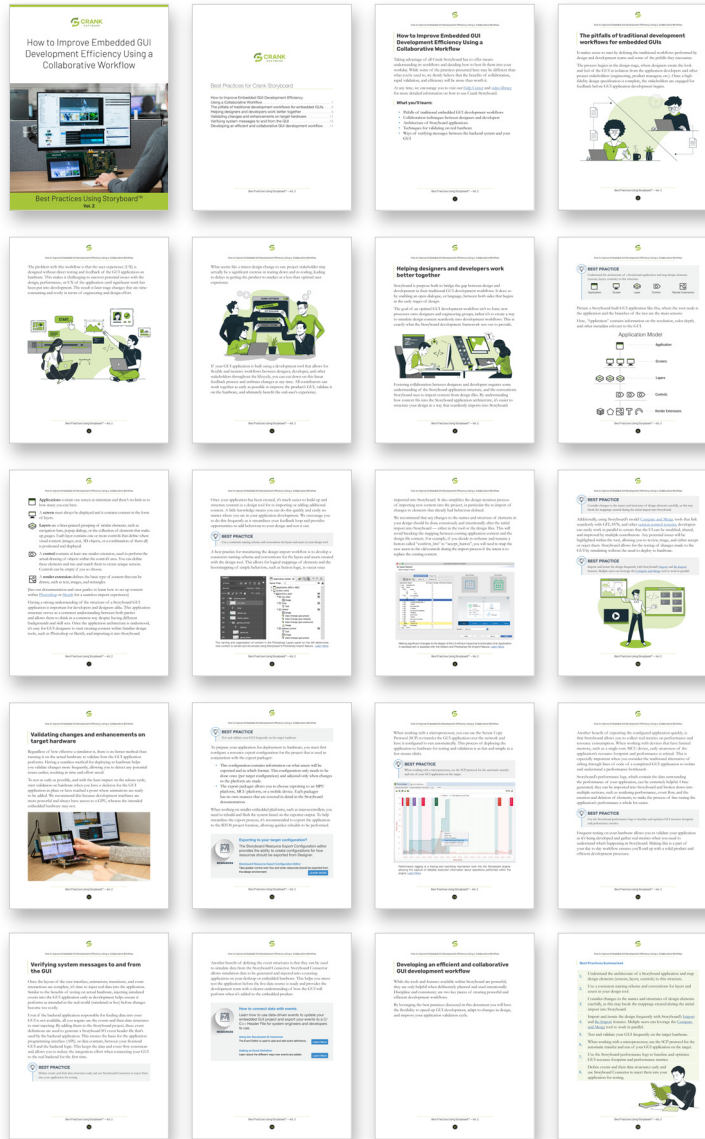
It makes sense to start by defining the traditional workflows performed by design and development teams and some of the pitfalls they encounter.

The process begins in the design stage, where designers create the look and feel of the GUI in isolation from the application developers and other project stakeholders (engineering, product managers, etc.). Once a high-fidelity design specification is complete, the stakeholders are engaged for feedback before GUI application development begins.





# Download the complete guide for actionable insights on using a collaborative workflow for building your next embedded GUI application.



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