



May 2023

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**We're Hiring!**

- Sales Engineer
- Test Development Engineer
- QA/QC Technician
- Electronic Assembly Technician

**Careers**

**Upcoming Events**



**NI Connect**  
May 23–24, 2023



**The Battery Show**  
September 12–14, 2023

**LabVIEW and TestStand Enthusiasts**



In-person training has resumed, however, nothing is currently scheduled. Please check back soon.



LabVIEW



TestStand

**We Stand by Ukraine**



Bloomy is pleased to support the people of Ukraine through our prayers and our donations to DirectRelief.org.

**Ukraine Relief**

**Introducing the midUTS™ Electronics Functional Test System**



The newest member of Bloomy's Universal Test System product family, the midUTS™ Functional Test System combines benchtop portability with powerful PCBA test functionality at a considerably lower price than our PXI-based UTS. Spanning from OEM validation through CM/EMS production, it is our most versatile and cost-effective system yet!

**Evolving System Integration Labs in the Era of Digital Transformation**



The nature of systems and product engineering is changing rapidly with the digital transformation and a toolset consisting of model-based systems engineering (MBSE), the digital thread and digital twin. This whitepaper introduces MBSE and provides a case study in which Bloomy helped an airframer's systems integration lab (SIL) achieve a 30% increase in test efficiency.

**MOSFETS vs. Contactors for Battery Safety – a Test Engineer's Perspective**



In a battery system, MOSFETs and contactors serve a similar purpose – to connect and disconnect battery power to a load or charger. Most of the time, this is a planned process when starting up, shutting down, or charging a battery. However, these methods are also used to disconnect the battery's load if the Safe Operating Area (SOA) of the battery is exceeded. This blog examines the specific benefits and issues of MOSFETs and contactors for ensuring battery safety, from a test engineer's perspective.

**Meet with Bloomy at NI Connect!**



Bloomy will be back in Austin, TX for NI Connect from 05/21-05/24. Our distinguished travel team will be focused on driving interaction with our partners and customers comprising the "NI ecosystem", around Bloomy's key test and simulation products and platforms serving aerospace, autonomous systems, battery electrification, defense and electronics.

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