

The Zero Risk, Zero Schedule, Zero Cost Test Solution - Well Almost!

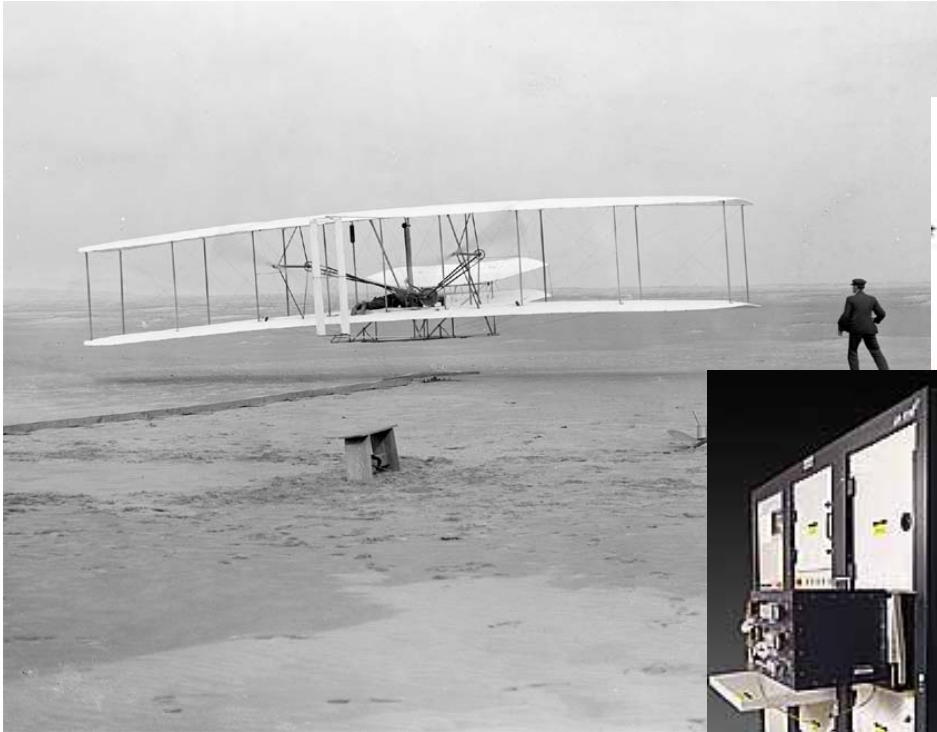
Aerospace Testing Expo 2005

NORTH AMERICA

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Technology Evolution Drives Test Complexity



Aerospace Test Challenges

- Increasingly complex Avionics challenges
- Increasing number of models to test (JSF – customer list)
- Escalating device functionality
- Converging technologies (RF, audio, video, digital...)
UAV

Test Managers - What do they want?

- Zero Risk - Absolutely
- Zero Schedule - Absolutely
- Zero Cost - Almost!

We're going to visit these items during the presentation to
Talk about how they can be addressed

We call this Z3A

- Zero Risk - Absolutely
- Zero Schedule - Absolutely
- Zero Cost - Almost!

Z3A is the driving force behind
Cyth Systems



How do we achieve these goals

- Risk
 - Is a function of the unknown – from experience software development and hardware development are good examples of this
- Zero Risk
 - Provide off the shelf components where ever possible
 - Includes NI TestStand – A Test Executive Management
 - Provide Cyth Step Types our clients to use them under a TestStand environment

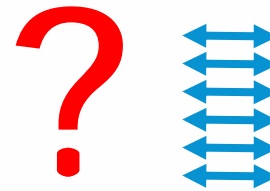
Off the Shelf Components

- Software
 - Top Level – test Management software NI TestStand www.ni.com/TestStand
 - TestStand Plus Step Types www.TestStandPlus.com
- Hardware
 - Plug-In Industrial Workstations www.cythsystems.com/Plug-In.html
 - IVI hardware equipment www.ivifoundation.org
 - Six Sigma Data Management Appliance www.IntraStage.com

Why NI TestStand? A Flexible, Reusable Approach to Test

Modular Hardware, Intuitive Software

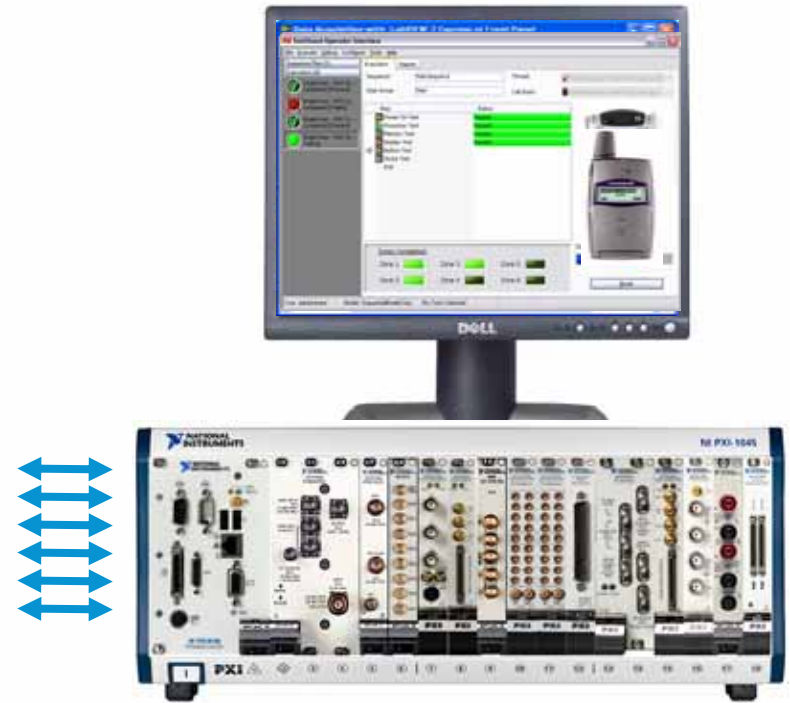
- Lower cost
- Higher performance
- Smaller size
- Flexible
- Easily upgraded
- User-defined



Cyth Systems could make more money per project
writing our own Test Executive

Why NI TestStand? Ignoring the Sales stuff

- *LM-STAR[®] is required to be used on JSF Test*
- *Estimated JSF Test Market \$200M*
- *NI TestStand is the backbone of LM-STAR[®]*
- *You will see a high number of trained personnel becoming proficient in TestStand*
- *If we don't reduce costs we can't hope to compete with the new "markets" – India, China*



Why Cyth Systems TestSteps?

- Already developed
- Fixed Price
- Supportable Products
- No programming to you
- Online help
- Integration into our Six Sigma Appliance
- No surprises

All of the above helps you manage risk, schedule and cost!



Why Cyth Systems TestSteps? Ignoring the sales stuff

- Because you can try it for free!

In case you missed those words a **FREE**
custom test fixture for you to try!

Pre-Built Industrial workstatio

- Pre-Loaded with hardware and software to allow you to be up and running
- Various models available
- Adapter plate allows customization for attachment to your product



IVI Foundation

- Idea is driven by you
- To be able to replace instruments from one manufacturer with instruments from another manufacturer without any software modifications
- It also allows zero programming solution from NI TestStand, for all IVI compliant equipment
- Currently DMM's,



Data Management, Reporting & Analysis

- Secure Data – to central location
- Report
 - Rig to Rig comparison's
 - Cpk stats
 - Trends across the facility
 - Limit changes tracked
- All without any programming



Demo of Z3A

Conclusion

- Z3A is:
 - Zero Risk – Absolutely
 - Zero Schedule – Absolutely
 - Zero Cost – Almost
- To achieve
 - Off the Shelf Hardware
 - Off the Shelf Software
- For more info visit www.cythsystems.com/Z3A