Michiharu Kubo
Offering Manager, Transportation Production Test

Arturo Vargas Mercado
Solutions Marketing, Transportation Production Test
2 Ways to Make the Most Out of Your Production Test Systems

Learn how Asset Management and Data Analytics can be implemented to make a difference in your production facility
Purpose: Share Best Practices

Outcome: Know How to Start
Service Prioritization

Reporting Time Waste

COMPRESS TEST TIMES

SMALLER TEAMS
1. Asset Management

Service Prioritization

2. Data Analytics

Reporting Time Waste
1. Asset Management

Equal Importance

Different Importance
Track Asset Utilization

Prioritize Service Requests

Coordinate Test Schedule
System Link Asset Manager

ASSETS: 93
CALIBRATED ASSETS: 45
PAST RECOMMENDED CALIBRATION: 20
APPROACHING CALIBRATION DATE: 0
CONNECTED: 37
DISCONNECTED: 56

CONNECTION HISTORY

CALIBRATION FORECAST

ni.com
SystemLink extends test and measurement automation with a new layer of centralized management and data insights.

**CENTRALIZED MANAGEMENT**

- Connect Systems & Manage Health
- Deploy Test Code & Frameworks
- Track Test Asset Uptime & Utilization
- Collect Test Results and Monitor KPIs

**SYSTEMS**

**DATA**

**DATA INSIGHTS**

- Search & Analyze Measurement Data
- Standardize & Process Data

**DEVELOPMENT AUTOMATION SOFTWARE**

- LabVIEW
- TestStand
- .NET
- python
- DIAdem
- 3rd Party Tools
Test Asset Management with Connected Intelligence

Maximize the uptime and utilization of test equipment, enabling test teams to optimize capital allocation and program planning.

- Assets are located and available
- Assets are calibrated
- Utilization tracking informs planning

**Operational Impact:**
- Optimize test asset utilization
- Reduce calibration non-compliance
- Improve asset lineage traceability
1. Asset Management

Service Prioritization

2. Data Analytics

Reporting Time Waste
2. Data Analytics

Reporting Time Waste
MES

Process Capability, Yield, Test Time
The average employee spends 5.1 hours a week *searching* for data they need to analyze.
SystemLink
Test Assets
NI TestStand
Yield
Test Time
Test Data
Local Server

DIAdem™
TDM DataFinder Module
Locate and Load Data from Any Source
Create simple or advanced search queries to quickly find data located anywhere on a disk or network. Load several file formats out of the box or use free DataPlugins to interface with custom file formats.

Interactively Visualize, Analyze, and Report your Data
With interactive dialogue configurations data can be viewed from multiple channels side by side for comparison, analyzed using hundreds of engineering calculations, and exported to custom reports. Synchronize video, GPS, or 3D models with your data to gain even more insight.

Save Time by Automating Tasks
Capture the steps you interactively perform as a script, or write your own code to automate repetitive parts of your data processing workflow.
DataFinder Server

Find and Retrieve Only the Data You Need

DataFinder provides full-text and parametric search options to help you find the data you’re looking for.

Focus on the Data, Not the Tool

Unlike database systems, DataFinder Server is simple to set up and maintain with the interactive configuration and a search index that’s built and maintained automatically.

Scale to Meet Expanding Needs

DataFinder Server is backed by industry-standard technology that can handle terabytes of data, scale across distributed locations, and integrate with NI systems management tools.
Purpose: Share Best Practices

Outcome: Know How to Start
Best Practices

Asset Management
- Track
- Prioritize
- Coordinate

Data Analytics
- Faster Data Query
- Intelligent Report Automation

Know How to Start

- SystemLink™
- NI TestStand™
- DIAdem™

TDM DataFinder Module
Learn More:

Tracking Asset Availability with SystemLink

Get Started with the SystemLink Test Module
Before you go, take the survey.
Stay Connected During and After NIWeek

ni.com/niweekcommunity
facebook.com/NationalInstruments
twitter.com/niglobal
youtube.com/nationalinstruments