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Mess- und Prüftechnik. Die Experten.

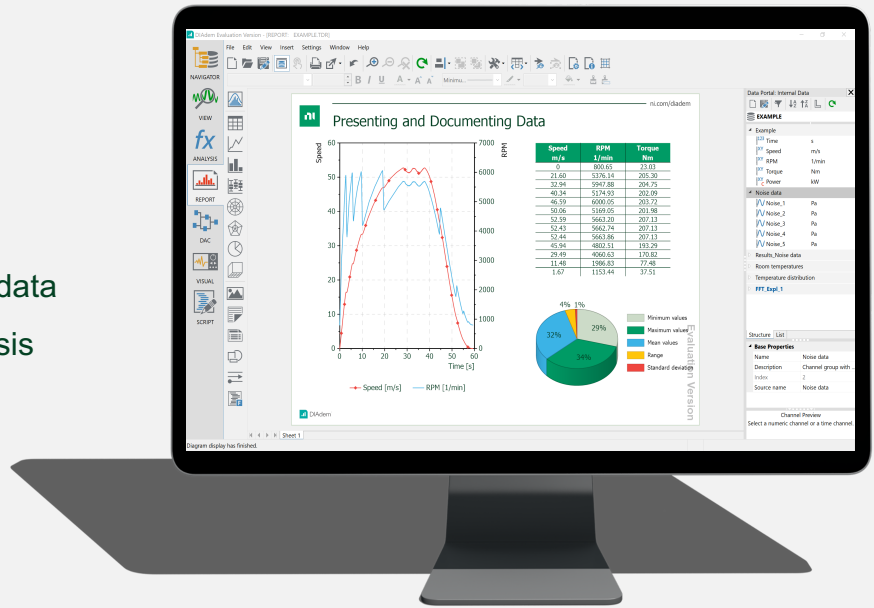
# DIAdem

Measurement Data Analytics Software

[ni.com/diadem](http://ni.com/diadem)

DIAdem is a data analytics software engineers use to:

- Find and access data
- Visualize multiple types of test data
- Save time by automating analysis routines and report generation



## The Benefits of DIAdem

# Decrease

In repeated tests

# 95%

Reduction in test cycle time

# Improved

Data availability and accessibility

- Raytheon Missile Systems

# Harness the Power of Your Test Data with DIAdem

## Locating and Accessing Data

- **DataPlugins**—DIAdem can import over 1,000 file types through a technology called DataPlugins. Utilize the 200+ existing DataPlugins or create your own using an interactive Wizard or API.
- **DataFinder Technology**—Create a searchable and standardized index of metadata from your files. Use search queries to quickly find and load data.
- **Data Protection**—DIAdem only imports a reference to the local dataset, ensuring that raw data remains untouched during visualization and analysis.

## Creating Visualizations

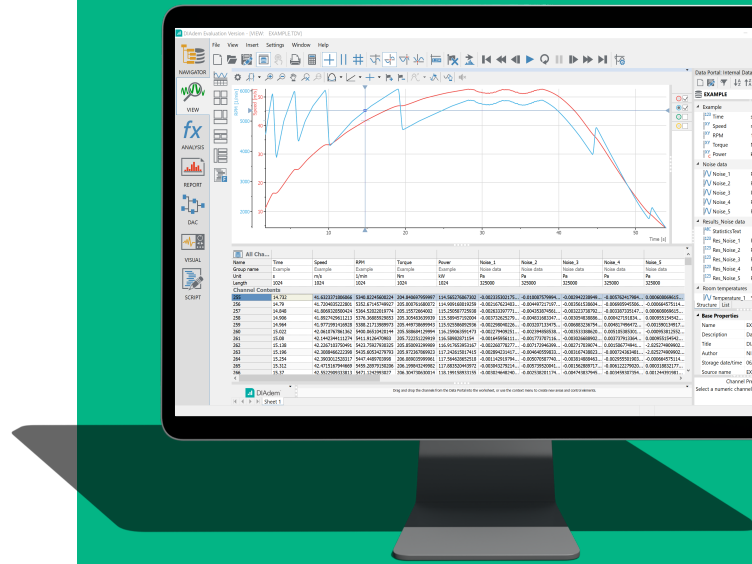
- **Data Display**—Instantly display data in multiple 2D-axis systems, tables, play audio and video data, and view map data. Use paneled display to view multiple datasets with different layouts in one window.
- **Cursor Synchronization**—See the same data point simultaneously across multiple datasets to get the full picture.

## Performing Analysis

- **Built-In Functions**—Transform your data with a simple point-and-click interface to perform analysis.
- **Advanced Analysis**—DIAdem includes advanced analysis functions such as bode order tracking, order and rainflow analysis, shaft centerline analysis, and more.
- **Unit Tracking**—DIAdem tracks and verifies proper unit conversion throughout calculations to prevent analysis or comparison errors.

## Reporting and Automation

- **WYSIWYG Editor**—Create custom reports with a powerful what-you-see-is-what-you-get editor. Export in shareable formats (PDF, Office, and more).
- **Script**—Automate your measurement data analysis workflow, from import to analysis to report, by writing scripts in Python and VBS.



"One department, for example, reduced the man-hours needed for analysis by about **50 percent**. Furthermore, being able to reuse test data meant the team could **eliminate unnecessary tests** and improve the accuracy of model-based development."

- Keimei Fujita,  
Toyota Motor Corporation



See DIAdem in action in the [What is DIAdem?](#) Video on YouTube

Contact your NI product expert to get help solving your test challenges.



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