Solving eMobility Challenges with A&D Solutions

Presented by Tad Blankenburg

Discover Precision

eMobility Challenges

Complexity

Battery test systems require multiple components to successfully run a test such as cyclers, chambers, chillers, etc.

Management

Larger battery labs consist of hundreds of test systems that require facility and data management.

Expensive

Battery test systems are expensive due to the complexity of the electronics and controls involved.

A&D Streamlines Hodgepodge Labs

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Flexible Lab Automation & Management Solutions:

Integrates all types of testing equipment made by any manufacturer into one convenient platform.

Universal BMS Connector:

A&D HIL Simulation Systems can connect to any Battery Management Systems that R&D labs or test houses encounter.

A&D's eMobility Solutions

iTest.BTS

Battery Testing Automation solution that reduces the system to a single interface and incorporates data acquisition.

LabWorX Suite

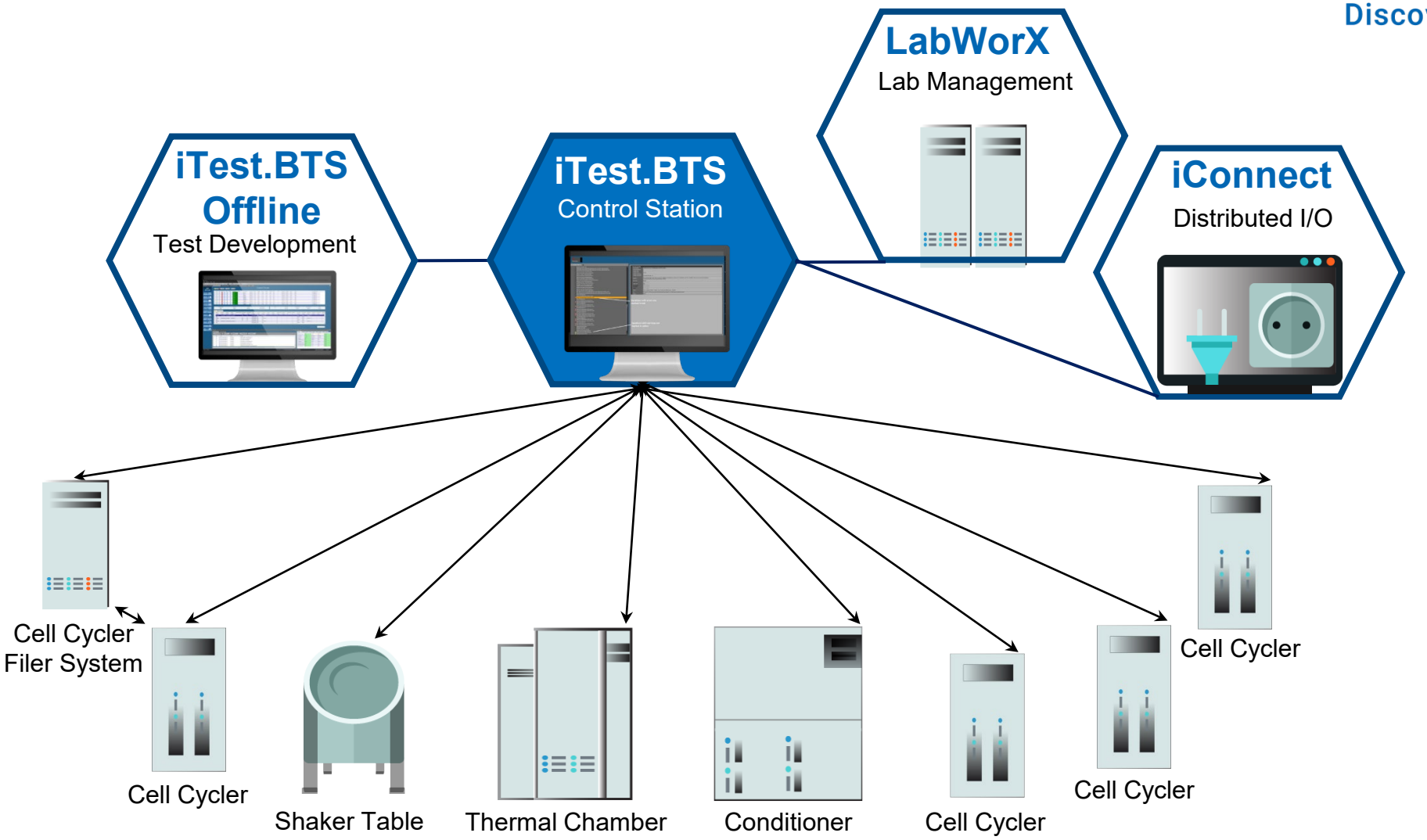
Collects and stores data from a collection of test systems into one managed lab.

HILS

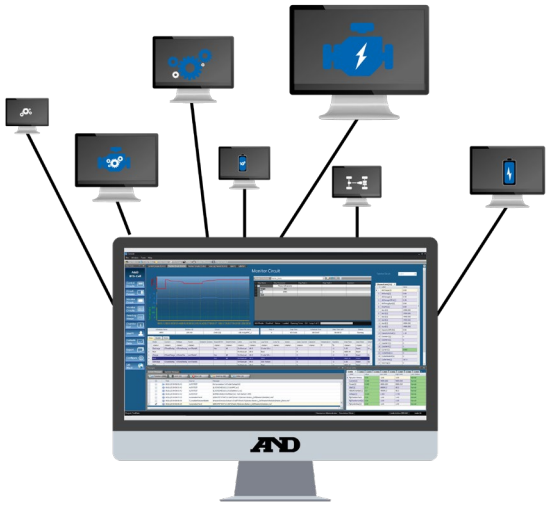
Hardware-in-the-Loop shortens development cycles and reduces the cost of testing.

iTest BTS
Battery Testing Automation

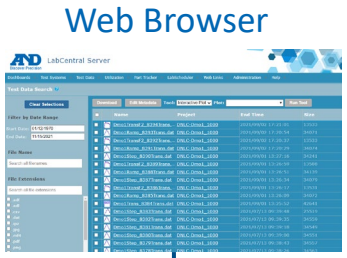
iTest.BTS Solution



LabWorX
Lab Automation & Monitoring



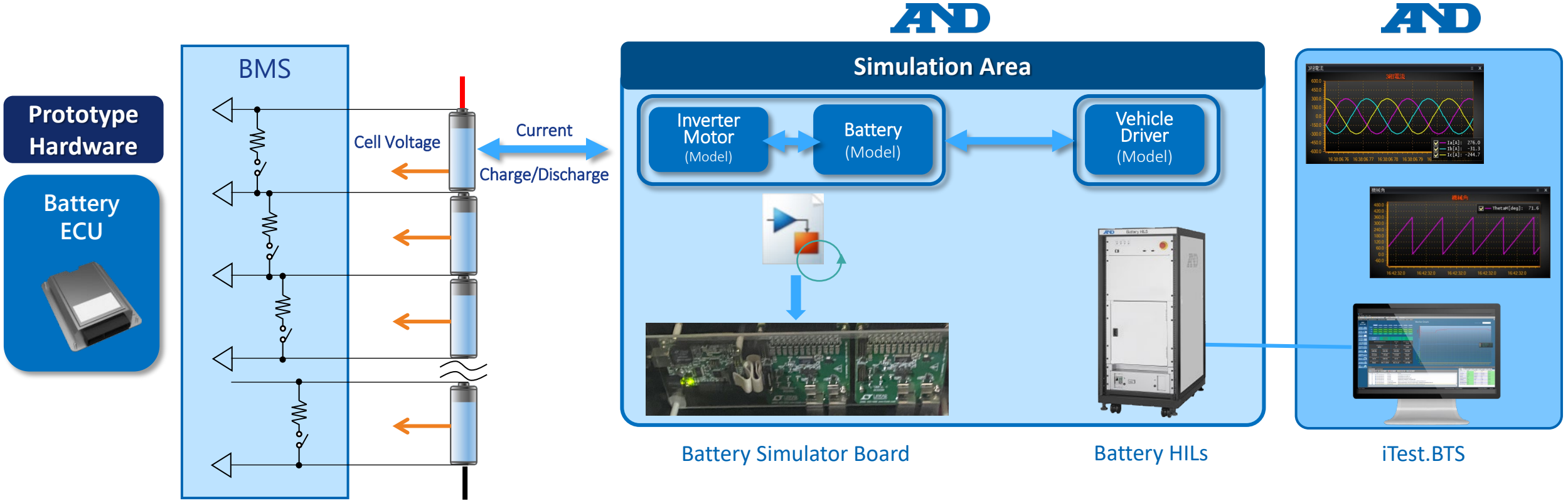
LabWorX


Web Browser
LabApp
Cell Network
Server/Data Center/Cloud
LabReporter
LabCentral
SMS Modem
LabMinder
Lab
Office Network
LabAgent
iTest Plugin
iTest
Test System 1
LabAgent
iTest Plugin
iTest
Test System 2
LabAgent
iTest Plugin
iTest
Test System 3
...
LabAgent
iTest Plugin
iTest
Test System n
LabAgent
Other Plugin
Other
3rd Party Test System
iViewBox
DIO/CAN
Other
3rd Party Test System

HIL Simulation
eMobility Solutions

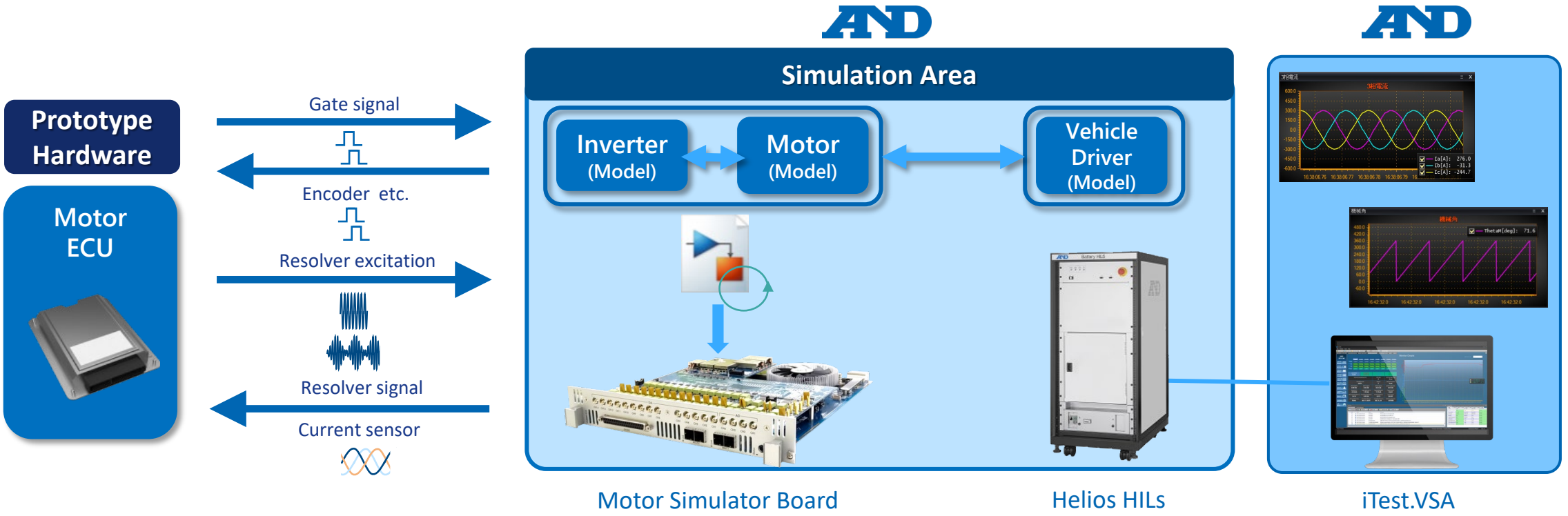
Battery HILS

Simulate Batteries for Developing and Validating a BMS (Battery Management System) ECU



Motor HILS

Simulate Motors for Developing and Validating a Motor ECU



eMobility Installations: 300+ Worldwide

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Thank You

Questions, Contact Tad Blankenburg
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2/23/2023