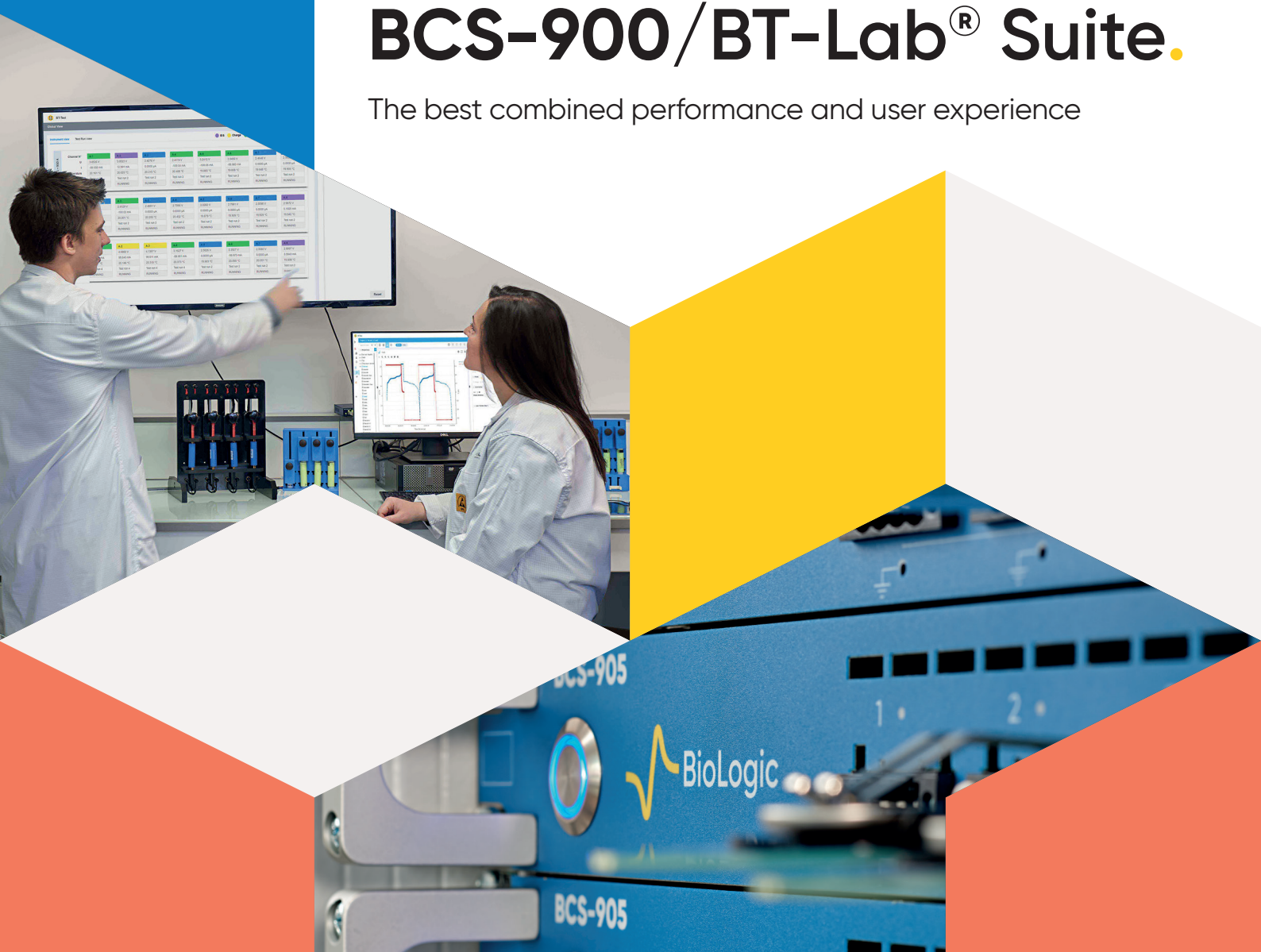
BioLogic

BATTERY CYCLERS

BCS-900/BT-Lab® Suite.

The best combined performance and user experience



A comprehensive solution for battery cycling



Run safe and reliable tests

- Embedded OS systems and redundant local database storage
- Runs independently from users PC and network latencies
- Real time monitoring: local and remote

Adapt to evolving needs

- Mix modules from few µA to 120 A
- Positive & negative voltage domain: up to 10V & down to -5V
- Add modules autonomously with no impact on running tests

Comprehensive from test to analysis

- Automated test plans and batch data analysis
- 10 kHz native EIS

Control and measure with accuracy

- Current, voltage and temperature
- High-end accuracy and resolution
- Oversampling for enhanced precision

BCS-900

For cell tests from few µA to 120 A



- **BCS-905** (150 mA), **BCS-910** (1.5 A) and **BCS-915** (15 A)
- Extendable current control **up to 120 A**
- **5 current ranges** on each module
- Cell tests **up to 10 V and down to -5V**
- **1 ms** timebase for each channel
- Measurement resolution down to 40 µV (18 bit)
- Fully integrated **native EIS** from 10 mHz to 10 kHz
- Mix for **modularity** in 4 cabinet sizes: 6U, 12U, 24U, 38U
- A **high-end** measurement chain completed by 4-point connection cell holders

BT-Lab® Software Suite: from reliable tests to efficient analysis



BT-Test™

For cycling control, acquisition and monitoring

Flexible and automated test plan design

- Application oriented interface
- User-friendly grid
- Manage variables for test automation
- Flexible user management for confidentiality



Test run monitoring and acquisition

- Global view of channel status
- Local and remote setup and monitoring
- Activity log access
- On-the-fly test modifications
- Live data display
- Flexible text export

BT-Analysis™

For batch data processing and display



Automated and flexible test analysis

- Online and off-line data access
- Application oriented graphs, tables and statistical tools
- Refresh displays of multiple sets of data in real time
- Display data in multiple formats including cycles, loops and steps
- Compare cells between systems and previous tests



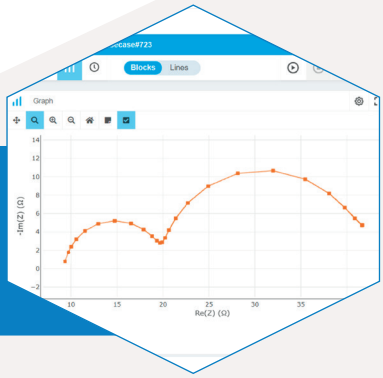
Test reporting and export

- Generate displays for reports during tests
- Flexible and customizable graph formatting
- Recipes for automatic graph and table generation
- Export tables and formatted graphics

Native EIS

EIS is native and **fully integrated into BCS cyclers**:

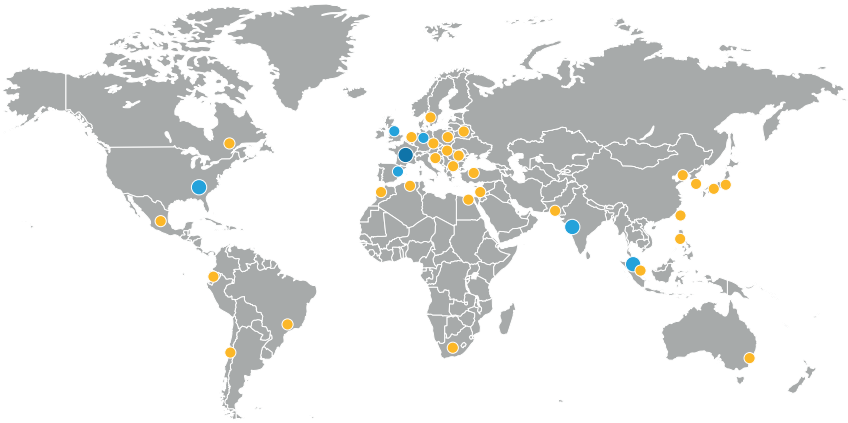
- Seamless operation: **no third-party** instrument necessary
- Data fit to a predefined circuit thanks to **Zfit analysis**



We serve our customers worldwide through our subsidiary offices and our extensive distribution network.

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Always by your side. Wherever you are.

We here at BioLogic pride ourselves on the quality and robustness of our instruments. However if you, for whatever reason, encounter a problem with your Battery Cycler, our global support network will help find you a solution quickly and effectively.

If you need more information, or perhaps a little inspiration, you can browse our ever-growing support database with hundreds of Learning Center articles, application/technical notes and support videos at www.biologic.net.

Application notes **Learning center** **Tutorials** **Videos**

biologic.net

Shaping the future. Together.

Leaflet BT-LE-039-b released September 2024 - Specifications and pictures subject to change.