



DIGATRON GROUP



NAATBATT 2025

Austin Hanohano - Director of Sales & Business Development
Digatron USA

LEADING THE CHARGE TO ENERGIZE THE WORLD!

Digatron is an international group of companies with headquarters in Aachen (Germany), with global manufacturing facilities in USA, India & Italy.

We are considered the electronic innovators within the battery industry. Our core purpose has always been energizing the battery world with our advanced turn-key power electronic solutions and making the future of tomorrow available today.

For over half a century, we have been developing and producing electronic test and formation systems for all types of batteries, ranging from lithium-ion pouches to cylindrical & prismatic cells for a vast array of applications.



LOCAL SALES AND SERVICE PRESENCE

Digatron US West

Service Center West San Jose, CA

Sales Office Phoenix, AZ (West)

Service Center Tijuana, Mexico

Digatron US Central, East

Sales Office Chicago, IL (Central)

Sales Office Charlotte, NC (East)

Service Center Monterrey, Mexico

Digatron South America

Service Center Belo Jardim, Brazil



LEADING THE CHARGE TO ENERGIZE THE WORLD

BATTERY TESTING – BATTERY FORMATION – CELL ASSEMBLY


Safety


EIS
Meter


Data
Logger


Cell
Contacting


Climatic
Chamber


Interfaces



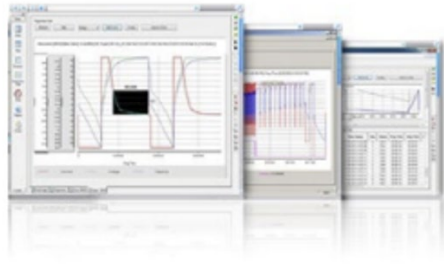
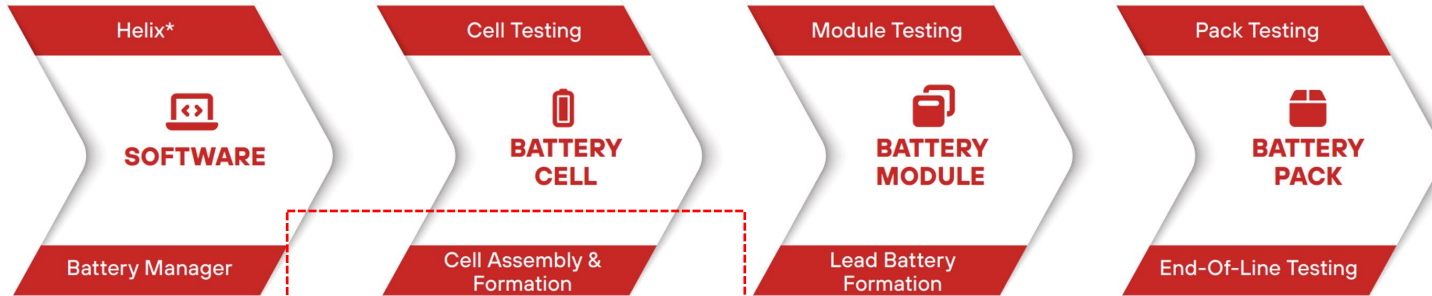
(6 V, 2 A-1800 A)



(12-150 V, 10-8000 A)



(600-1500 V, Up to 2 MW)



Electric Vehicle Tester 1500

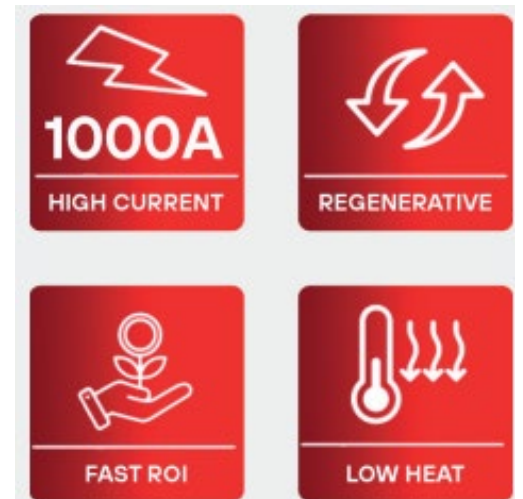
Regenerative Series

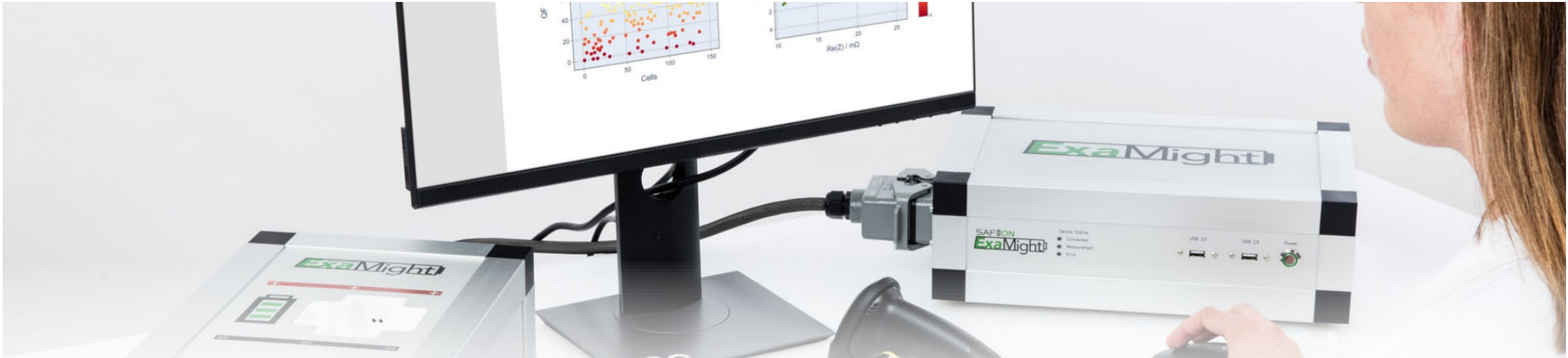


Digatron High Voltage Testing

EVT 500-750-2*125kW SIC – Available for delivery Q4

- For automotive test bench lines and other hardware-in-the-loop applications
- Emulates load profiles of any xEV
- Output Voltages: 750/1500 Volts
- Current up to 1000A
- Power up to 320kW





ExaMight

ALL-IN-ONE BATTERY QUALITY ASSURANCE SYSTEM

ExaMight is a comprehensive modular system for battery quality assessment and management. With the innovative real-time electrochemical impedance spectroscopy (EIS) process for high-precision and ultra-fast cell evaluation, ExaMight can be used for end-of-line testing, incoming cell inspection or 2nd-life qualification.

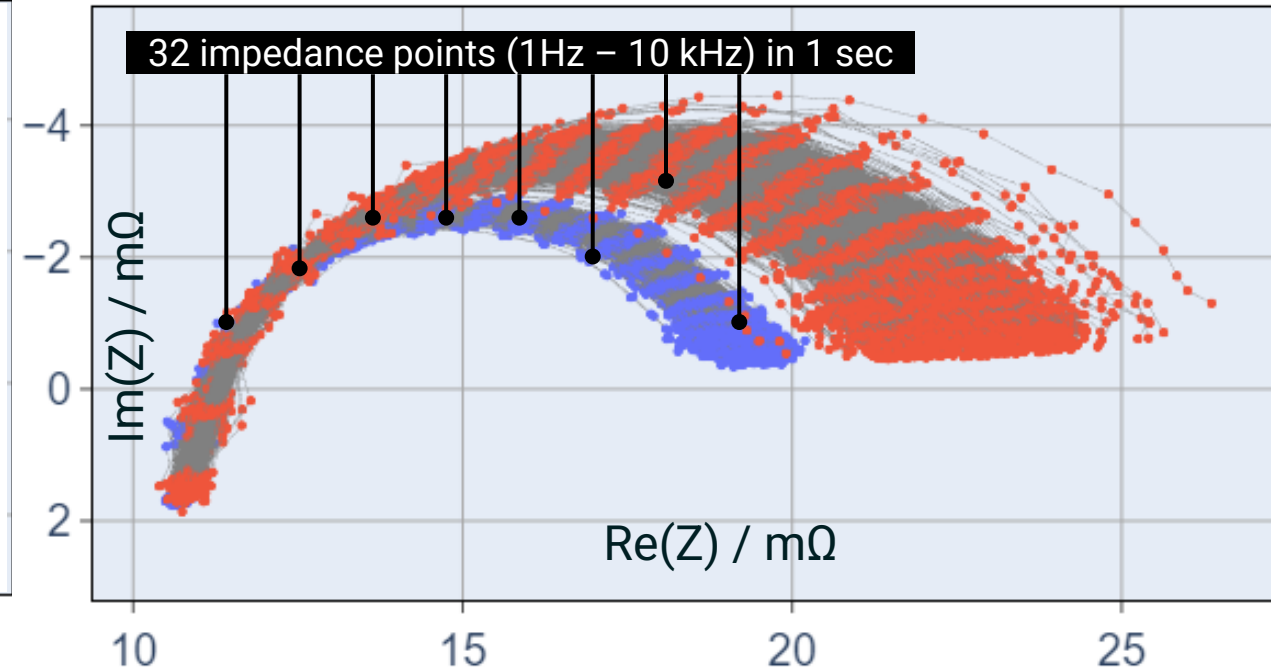
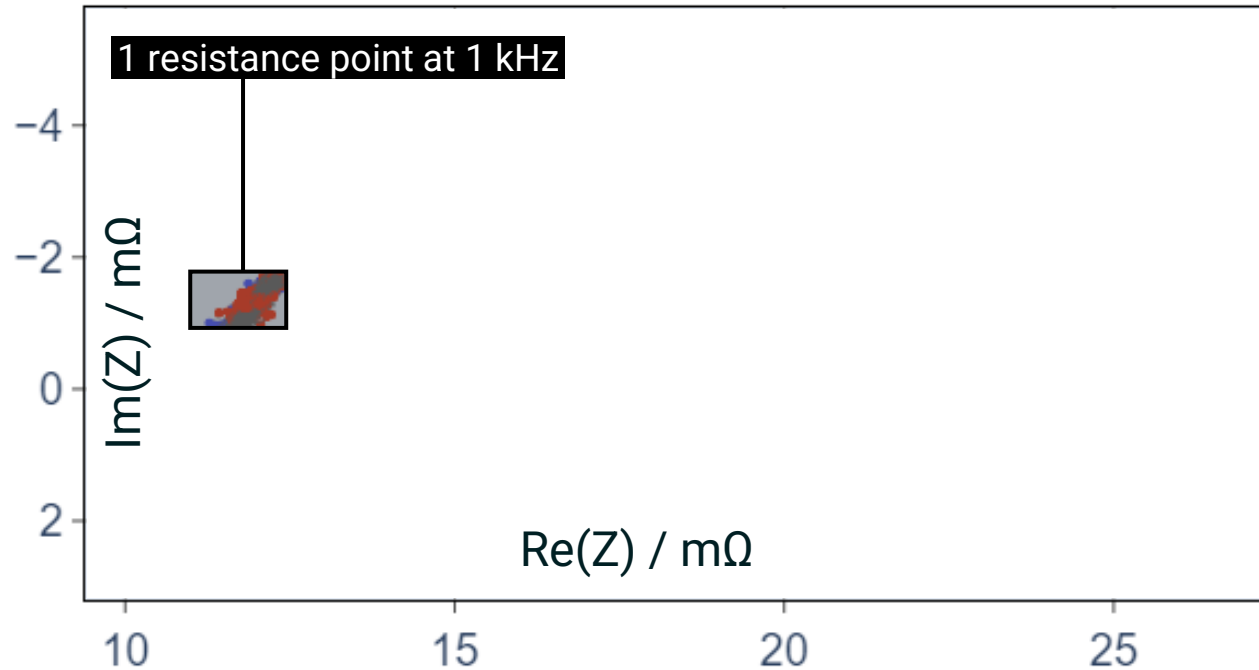


Know your batteries

PREDICTION OF BATTERY PERFORMANCE, SAFETY AND LIFE

Others see a small part

We see the whole picture



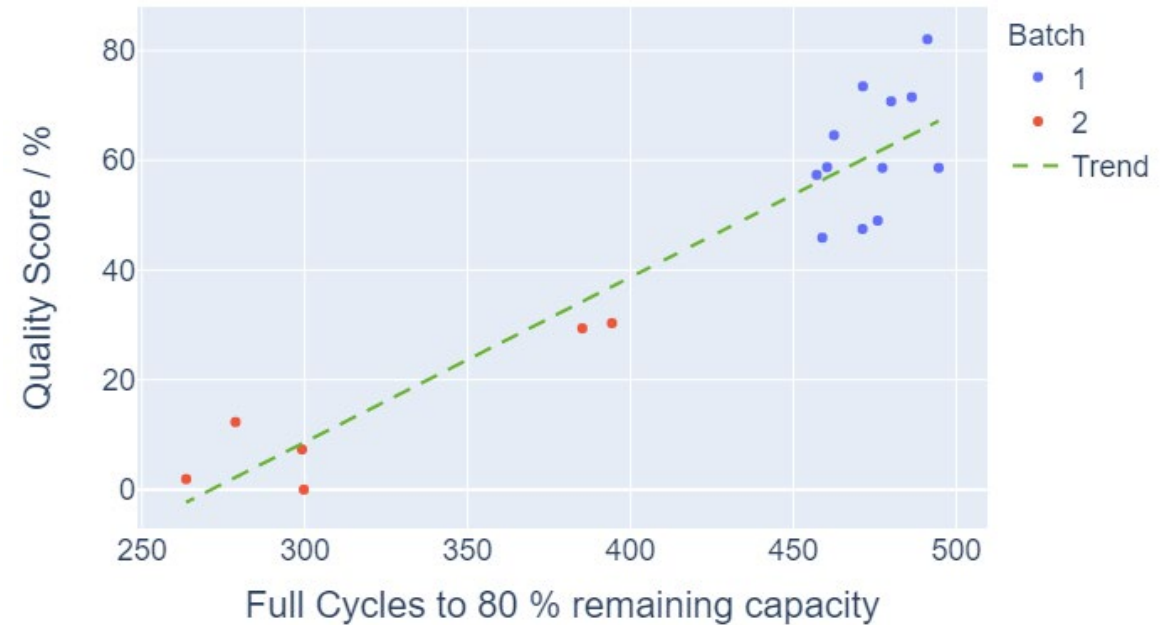
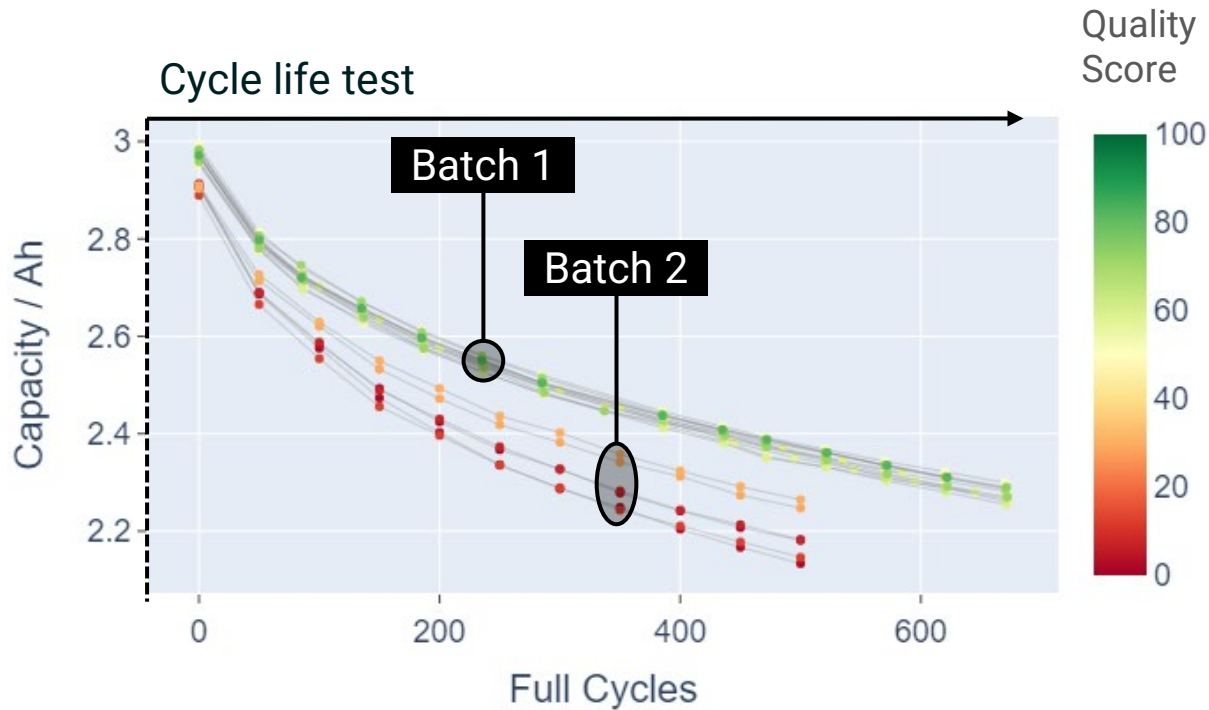
*EIS: Electrochemical Impedance Spectroscopy

EIS-BASED QUALITY ASSESSMENT AND BATTERY LIFETIME

LIFETIME SCIENTIFICALLY PROVEN HIGH CORRELATION

EIS assessment and grading at BOL ⁽¹⁾

Instant battery lifetime prediction

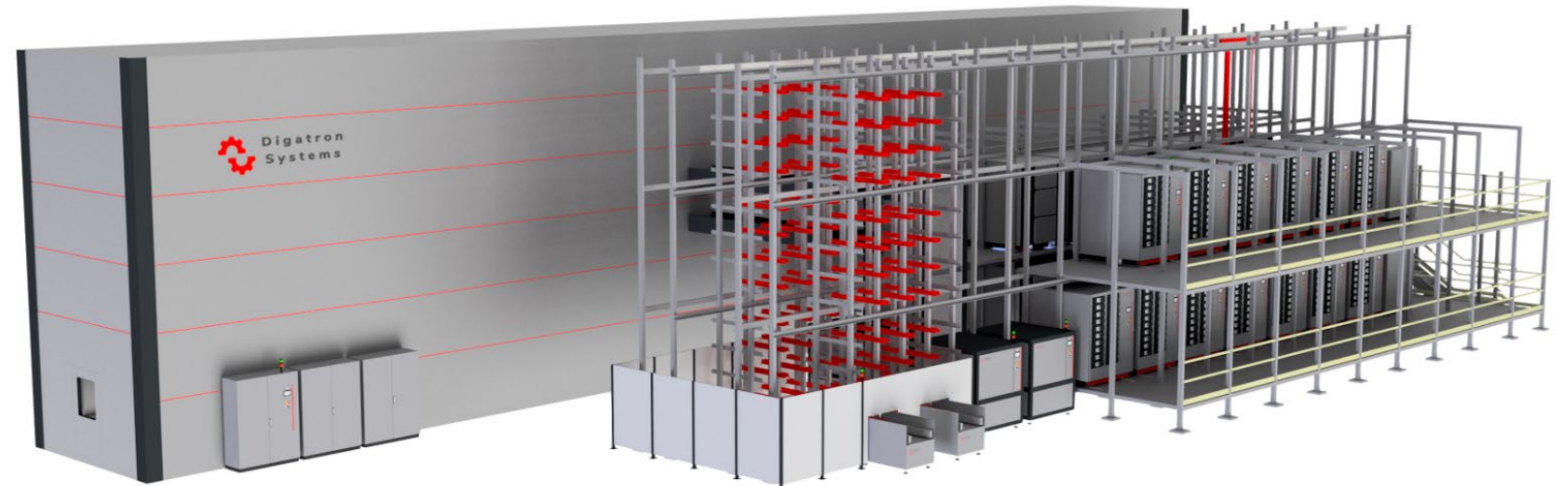


(1) Begin of Life

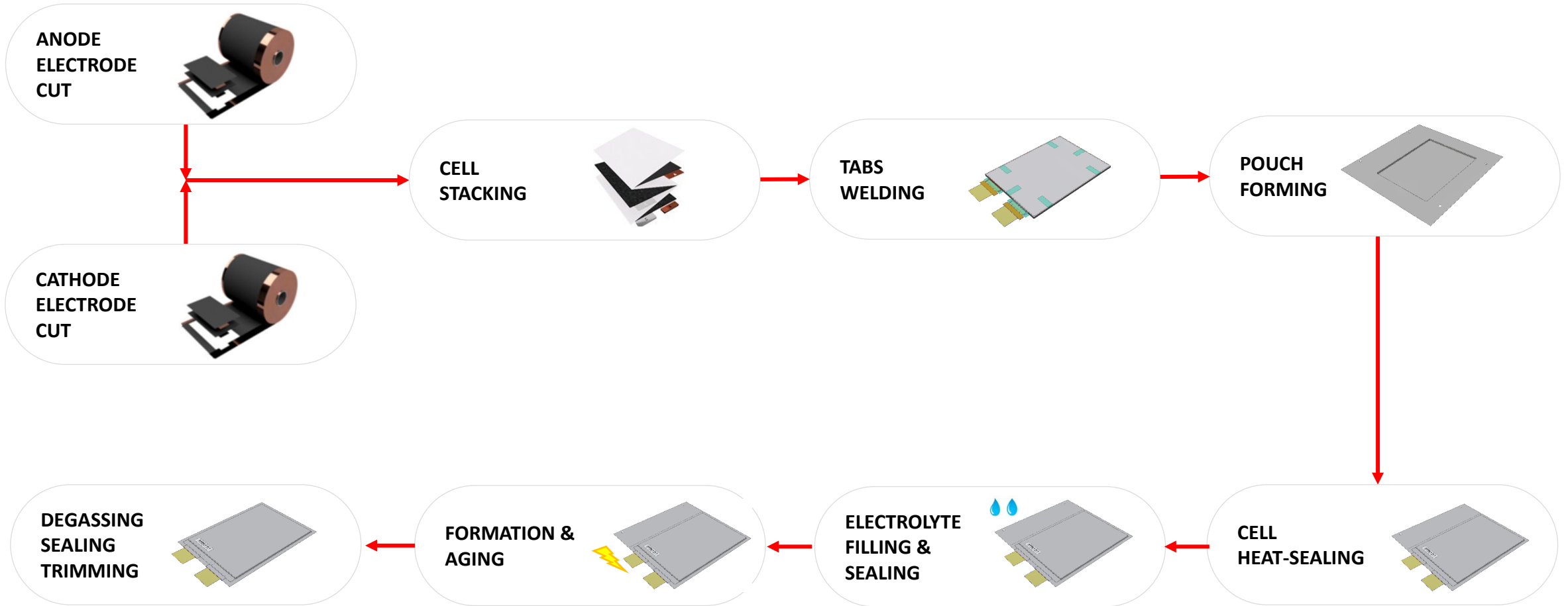
PILOT-
LABLINE



AUTOMATED
PLANTS



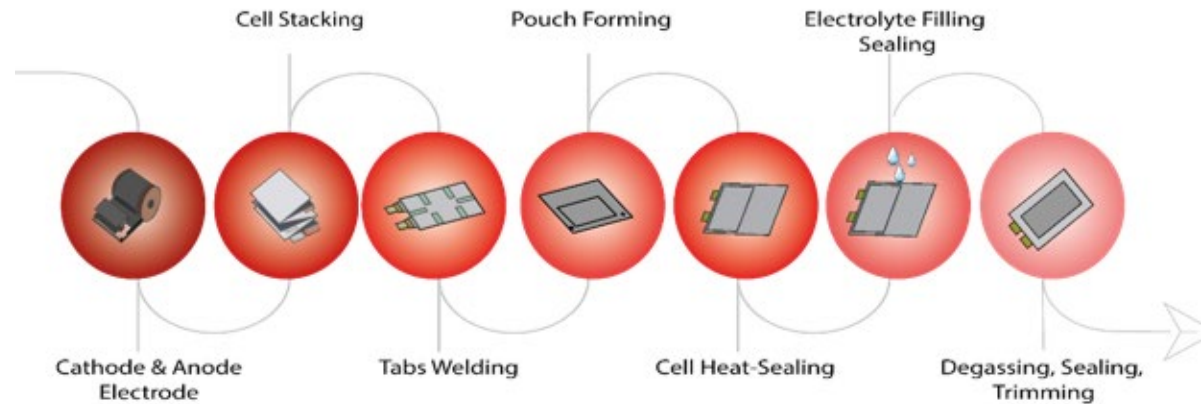
POUCH CELL ASSEMBLY - PROCESS FLOW



Complete solutions for lithium pouch and prismatic cells manufacturing, from electrode cutting to filling and degassing, from single machines to fully automated lines



POUCH CELL ASSEMBLY



POUCH CELL ASSEMBLY

POUCH AND PRISMATIC CELLS PILOT ASSEMBLY LINES



Complete solutions for lithium pouch and cells manufacturing, from electrode cutting to filling and degassing, from single machines to fully automated lines

ELECTRODE
CUTTING

CELL
STACKING

TAB TRIM &
US WELD

POUCH
FORMING

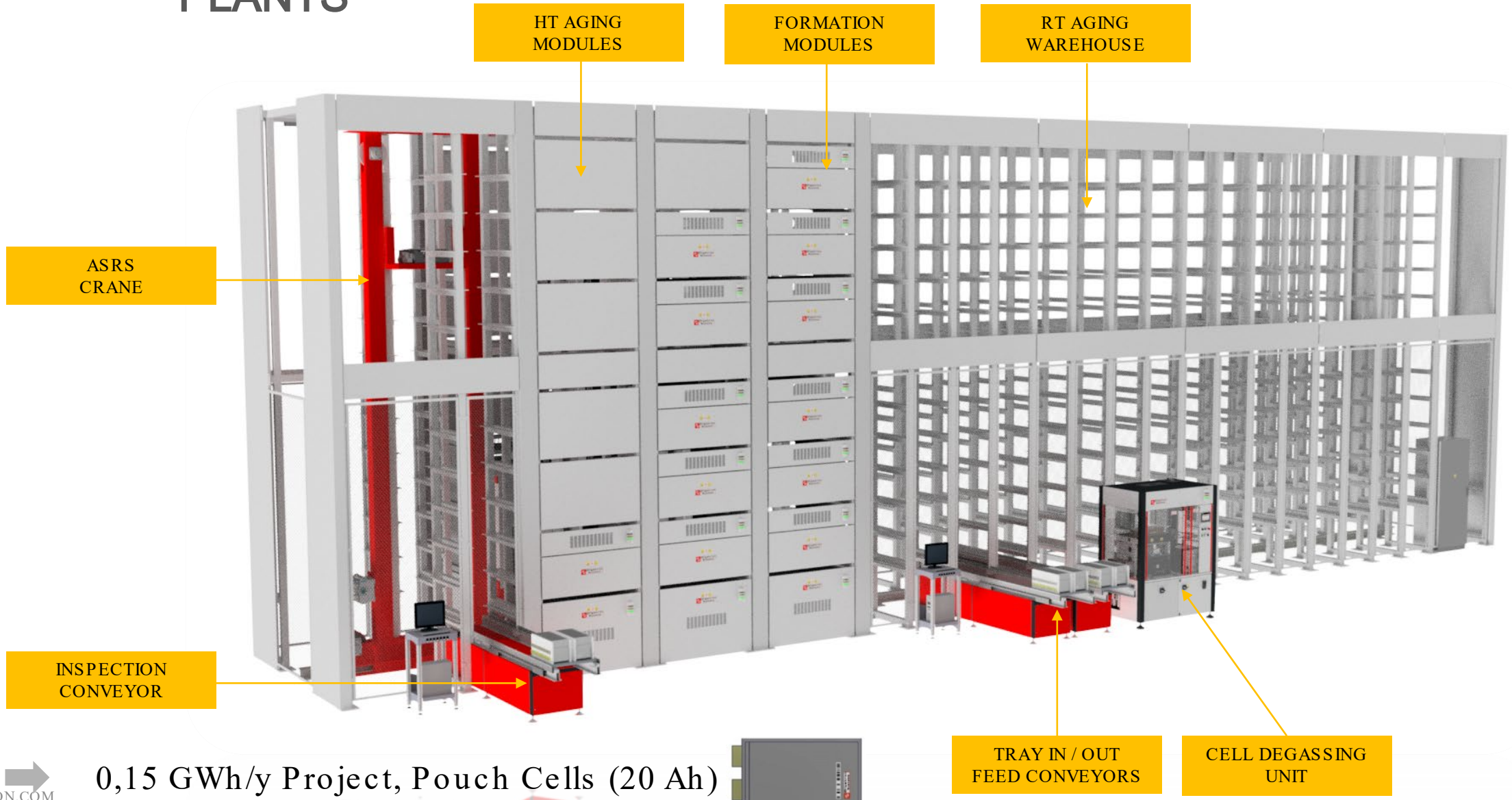
CELL
SEALING

FILLING
DEGASSING

POUCH CELL ASSEMBLY

AUTOMATIC FORMATION, AGING AND TEST PLANTS

- Automatic Formation, Aging and Test



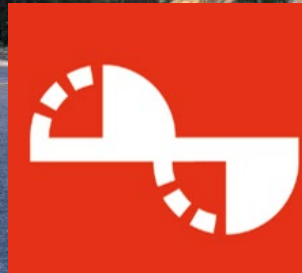
AUTOMATIC FORMATION, AGING AND TEST PLANTS



AUTOMATIC FORMATION, AGING AND TEST PLANTS



Thank You!



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