

Looking
beyond



Welcome to Luvata FCC Week, DC, March 2015

Jim Lajewski President LUVATA Waterbury

LUVATA
Partnerships beyond metals

NORDIC CAPITAL - Mission

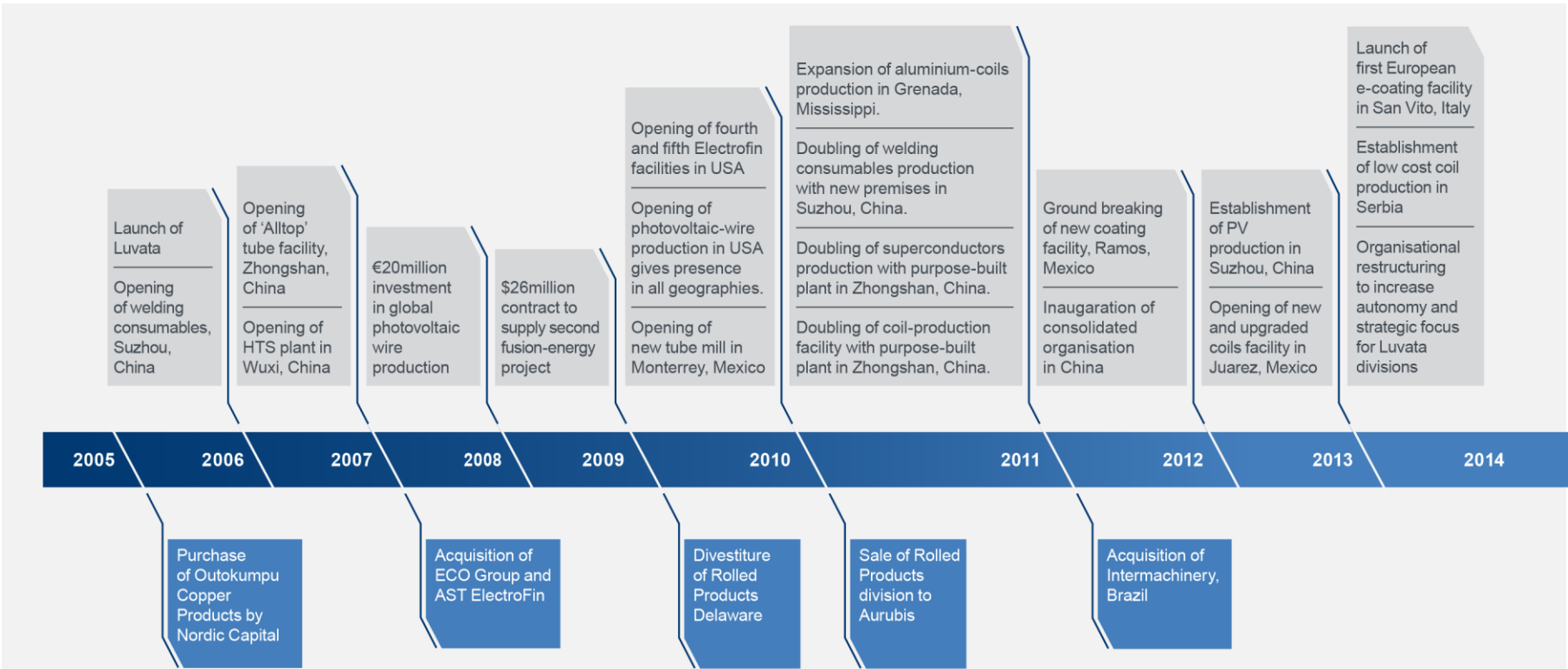
- **Nordic Capital's mission is to invest in and support the development of enduring companies, create long-term value and generate superior returns for our investors.**
- **As a leader in Nordic private equity investments, Nordic Capital is committed to investing responsibly and believes that a responsible approach is essential for promoting long-term business success and value creation.**
- **Nordic Capital's successful model blends a careful approach to investment selection, responsible investment, strategic development, operational excellence and a committed ownership.**

Investment Strategy

- **Nordic Capital invests in companies in the Nordic region and Germany. In addition, we also invest in Healthcare companies globally.**
- **LUVATA - Acquired 2005**



The journey beyond 2005



Luvata began its extensive restructuring programme in 2005, led by the need for industry consolidation and orientation towards higher-value-added products in high-growth markets.

Luvata has evolved from a fabrication-based business to a solutions-driven company with a global span, product diversity and technical expertise that has earned leadership positions in many of the industries we serve today.

LUVATA - Key market leadership roles

World's largest coils-coolers-and-coatings group for the commercial and industrial HVACR markets

Supplier of over one-third of the world's MRI superconducting wire

Global welding expert from resistance-welding electrodes to MIG and laser brazing wire

Producer of the longest-seamless hollow conductor available on the market today

Leading manufacturer of the flattest, straightest and softest photovoltaic wire

Manufacturer of the largest continuous Tube-In-A-Cube® coils

Organizational Structure

LUVATA

Heat Transfer Solutions

- Industrial process solutions
- Food storage and transport-refrigeration solutions
- Mobile climate solutions
- Indoor climate solutions

Special Products

- Welding electrodes
- Superconductors
- Photovoltaic ribbon
- Electrical materials
- Metallurgical applications

Tubes

- Tubes
- Tube components
- Computer 'e-cooling'
- Tubes for radio frequency cables

Beyond boundaries

The sun never sets on Luvata

37 Plants

18 Countries

6300 Employees



Locations

Americas

Heat Transfer Solutions

- Grenada MS
- Jacksonville TX
- Louisville KY
- ◆ Memphis TN
- Pompano Beach FL
- Tampa FL
- Temecula CA
- Juarez, Mexico
- Ramos, Mexico

Special Products

- Appleton WI
- Delaware OH
- Waterbury CT
- Sao Paulo, Brazil
- ◆ Santiago, Chile

Tubes

- Franklin KY
- Monterrey, Mexico

Europe

Heat Transfer Solutions

- Kötschach-Mauthen, Austria
- ◆ Gent, Belgium
- Amaro, Italy
- Pocenia, Italy
- Torreglia, Italy
- San Vito, Italy
- Sremska Mitrovica, Serbia
- Guadalajara, Spain
- Söderköping, Sweden

Special Products

- Pori, Finland
- ◆ Essen, Germany
- ◆ Warsaw, Poland
- ◆ St Petersburg, Russia
- Wolverhampton, UK
- Welwyn Garden, UK

Corporate

- London, UK
- Espoo, Finland

Asia

Heat Transfer Solutions

- Zhongshan, China
- Wuxi, China
- ◆ Shanghai, China

Special Products

- Zhongshan, China
- Suzhou, China
- Pasir Gudang, Malaysia

Tubes

- Zhongshan, China
- Chachoengsao, Thailand
- ◆ Bangkok, Thailand

- Production Facilities
- ◆ Sales/Support

Some of our customers



PHILIPS



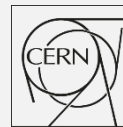
Panasonic



DURACELL



FUJITSU



SIEMENS

HITACHI

All over the world, companies are finding better ways to do more, for more people and waste less in the process. All over the world, Luvata is helping them.



Heat Transfer Solutions

The world's largest manufacturer of coils, cooler units, coatings and custom designed solutions for applications including refrigeration, climate control, process cooling, power generation and data-centre cooling.



Special Products

The world's leading supplier of many highly specialised, niche products used in welding, healthcare, science, electronics, consumer products, power industries, solar energy, aquaculture, metallurgy and electroplating. As a pioneer of new products to many of these industries,

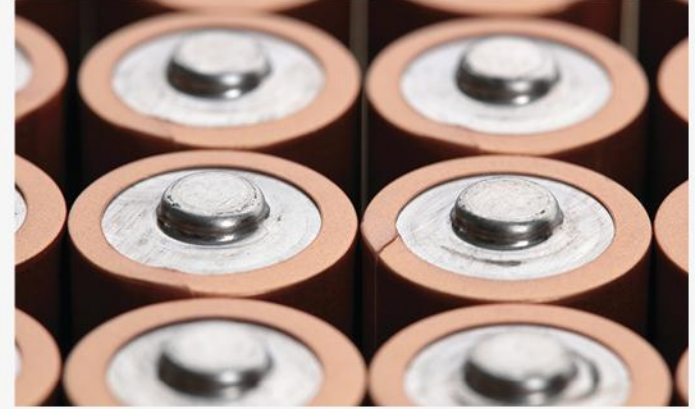



Tubes

The world's largest producer of thin-wall tubes for heat-exchangers used in the air conditioning and refrigeration industry along with other applications including process cooling, "e-cooling" and radio-frequency cables. By optimizing material selection, improving design or supporting new product development

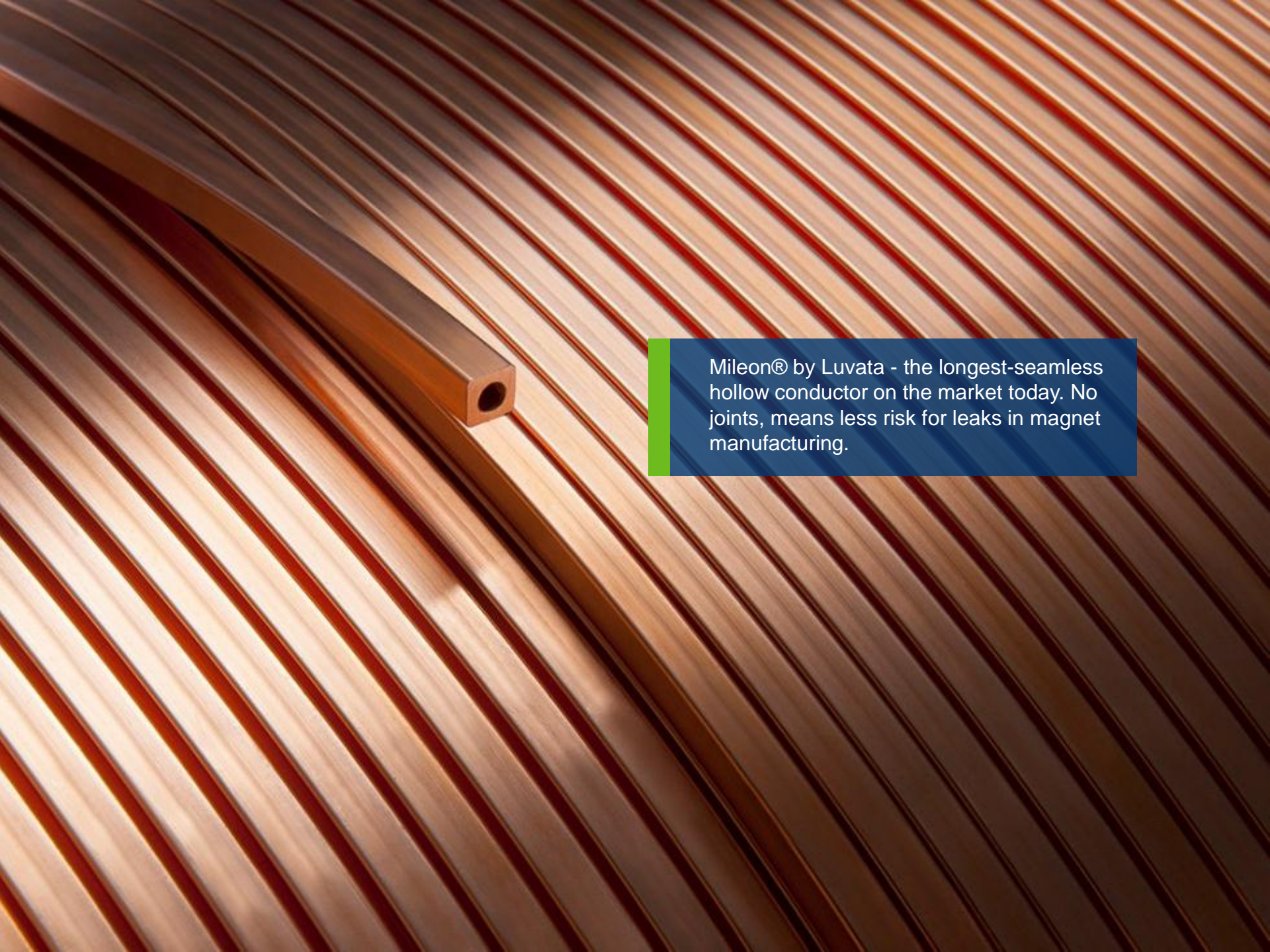
Industries

Special Products





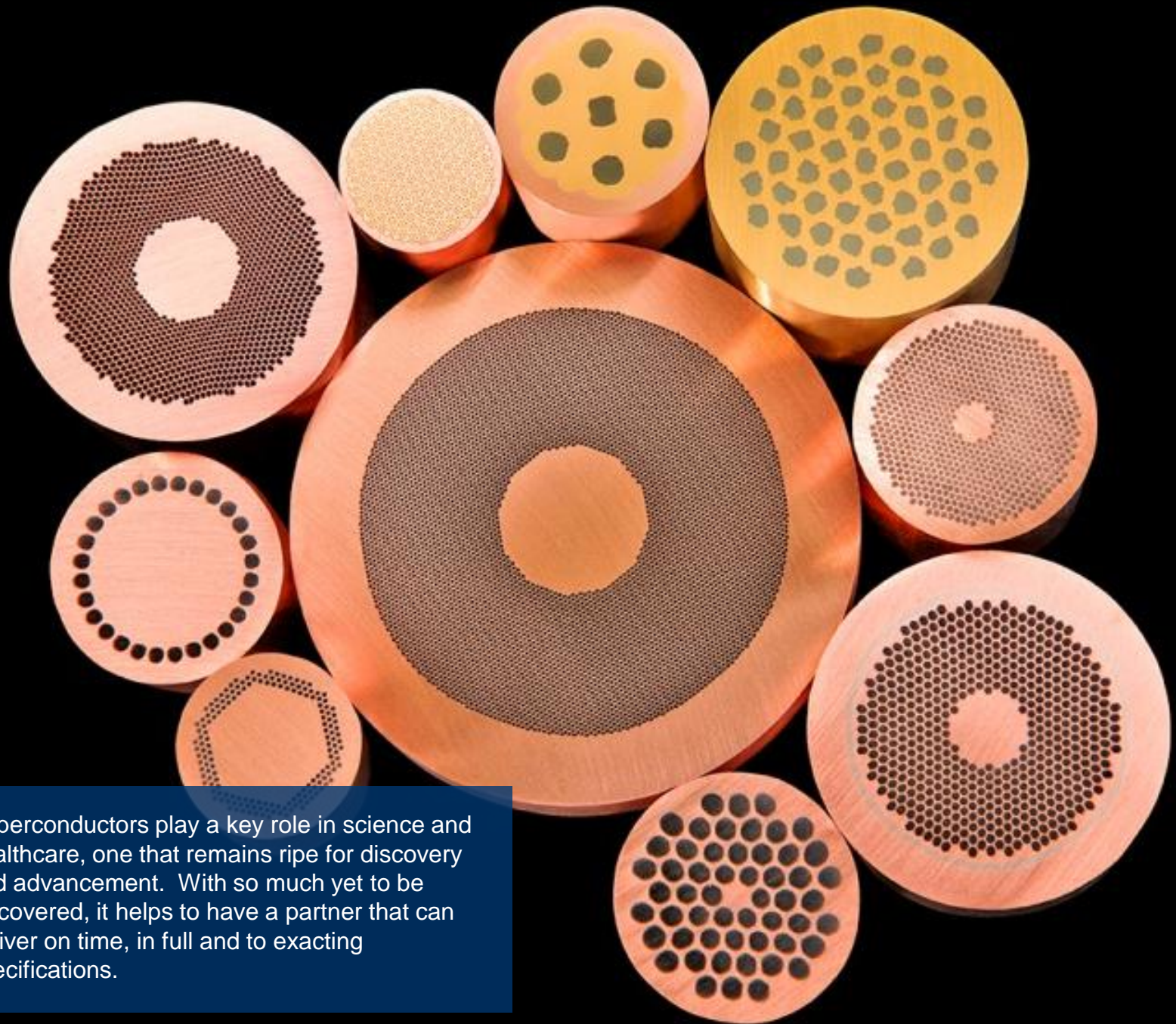
Sunwire® by Luvata - the flattest, straightest and softest photovoltaic solar ribbon that helps to minimize the risk of cell breakage, while maximizing electrical output.



Mileon® by Luvata - the longest-seamless hollow conductor on the market today. No joints, means less risk for leaks in magnet manufacturing.

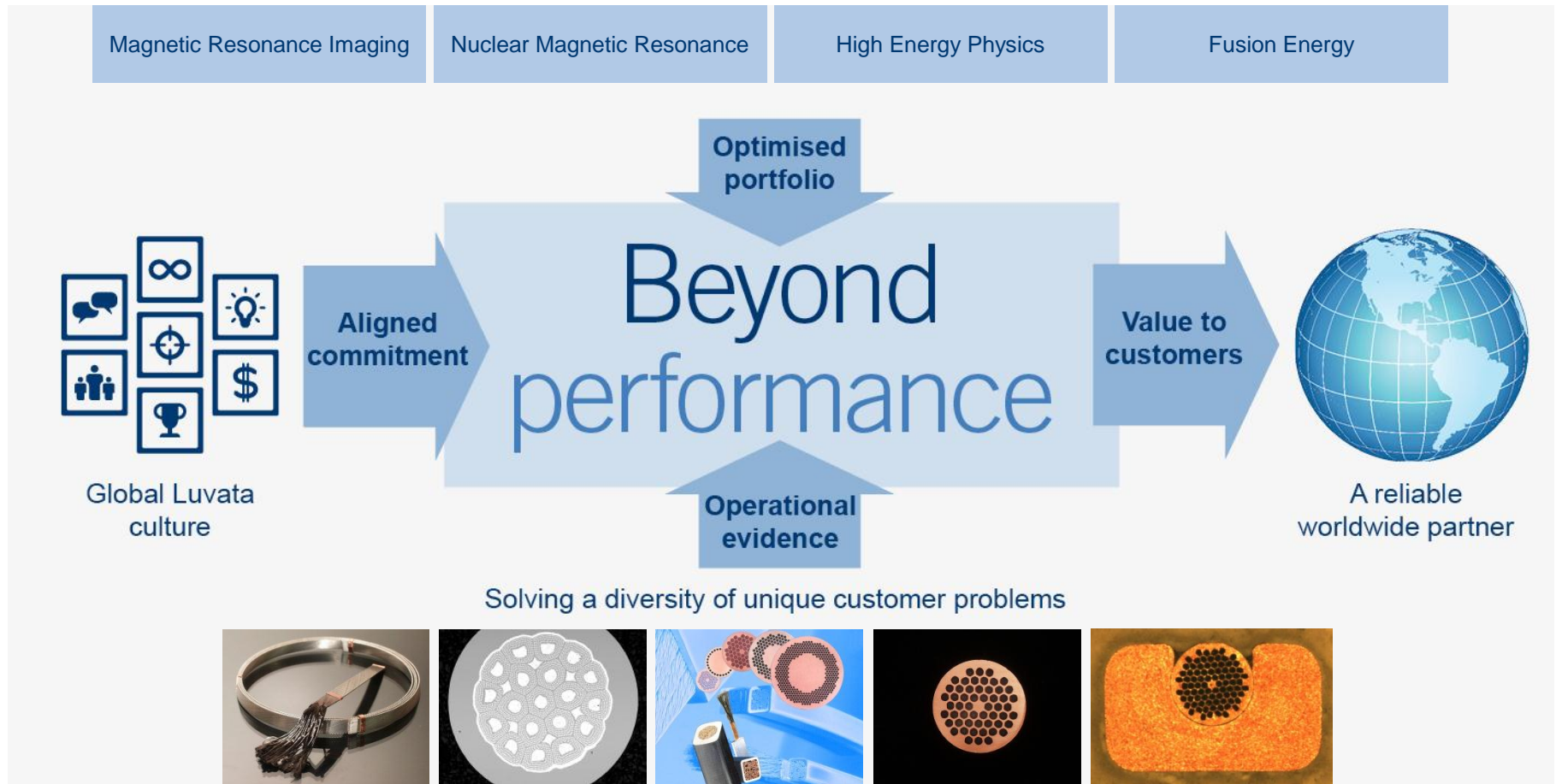
With numerous materials – different alloys and grades of steel and aluminum– and an average of 4,000 spot welds per vehicle, not every weld is exactly the same. Automotive OEMs rely on Nitrode[®], Z-Trode[®] or A-Trode[®] by Luvata for predictable weld performance.





Superconductors play a key role in science and healthcare, one that remains ripe for discovery and advancement. With so much yet to be discovered, it helps to have a partner that can deliver on time, in full and to exacting specifications.

A complete coverage of LTS superconducting applications



Over 3 decades of Luvata participation

Global Projects

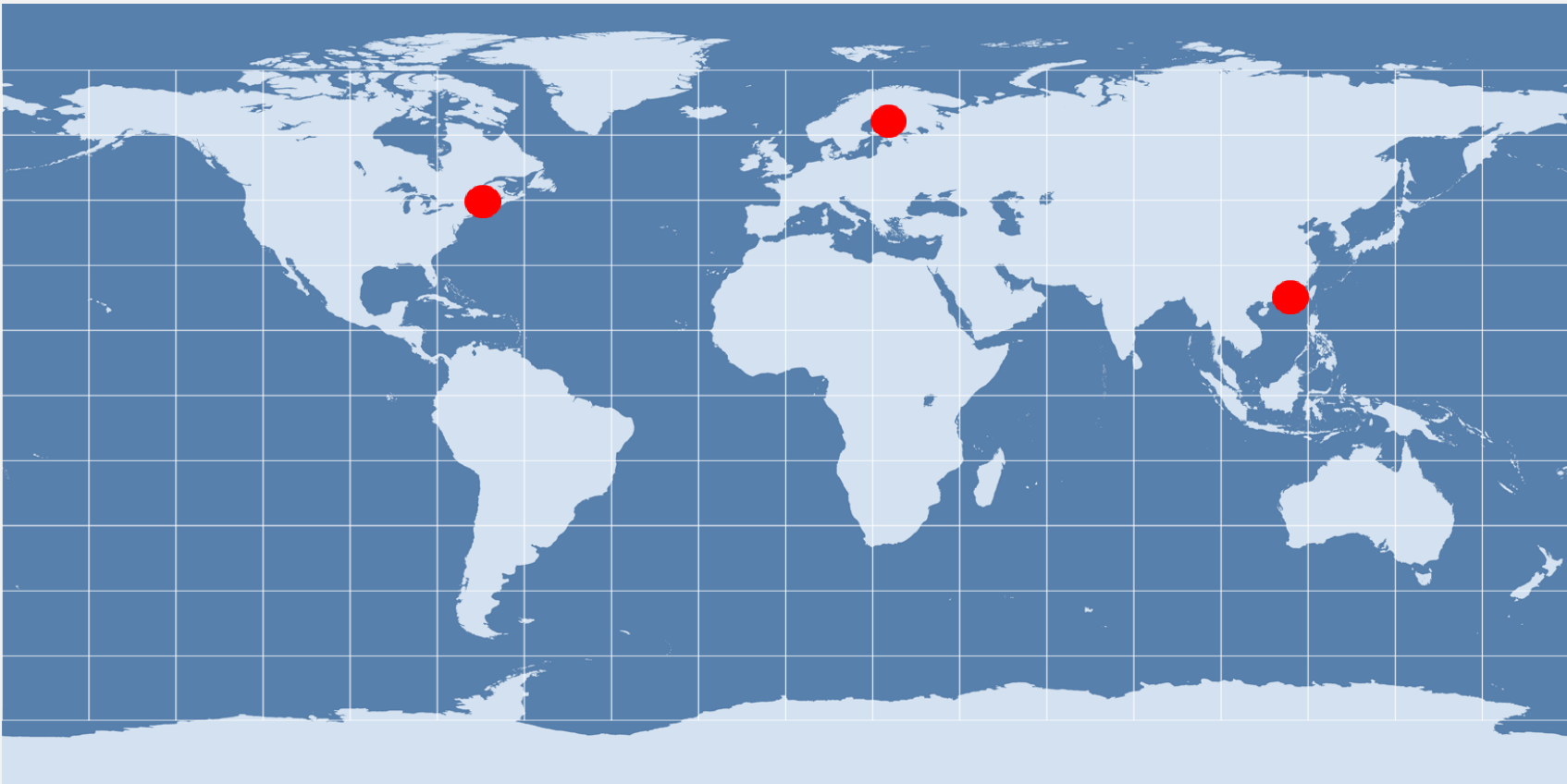
- **NbTi strand for Fermi Lab Tevatron (>90%)**
- **NbTi Cables for LHC dipoles (400 t)**
- **NbTi Strand for CMS and ATLAS detectors (31 t)**
- **Copper components for LHC (1000 t)**
- **NbTi conductors for Saclay Iseult 11.75T MRI magnet (90 t)**
- **Nb₃Sn and NbTi for KSTAR Fusion project in Korea (>70%)**
- **Nb₃Sn and Cu strands for ITER (30 t, 90 t)**
- **Other projects (SMES, DO, KEK, AMS-2, SSC, MHD, GSI-SIS100 etc.**

Luvata Superconductors Innovation Recognitions / Awards



Luvata Superconductors Supply Chain

The sun never sets on Luvata Superconductors



Luvata Superconductors Supply Chain

Pori, Finland



Luvata Superconductors Supply Chain

Zhongshan, China



Luvata Superconductors Supply Chain

Waterbury, Connecticut, USA





Looking
beyond



Thank you.
Questions?

LUVATA
Partnerships beyond metals