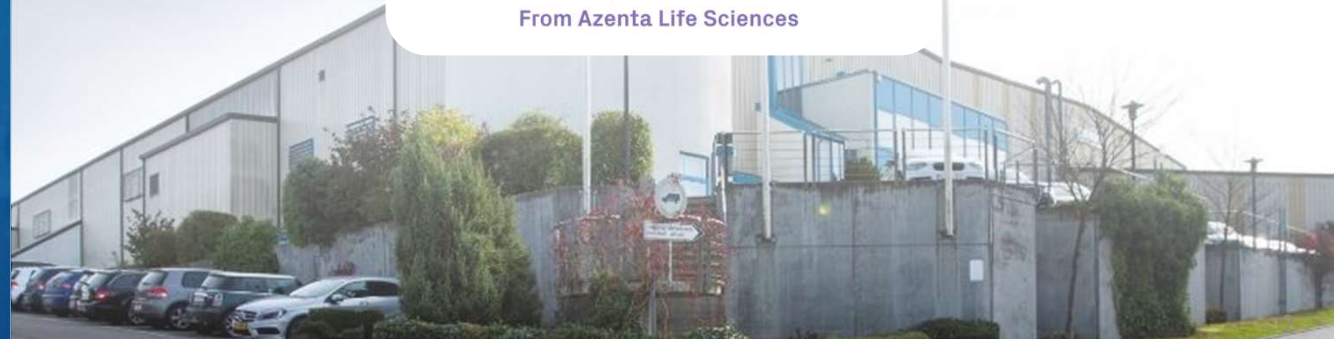
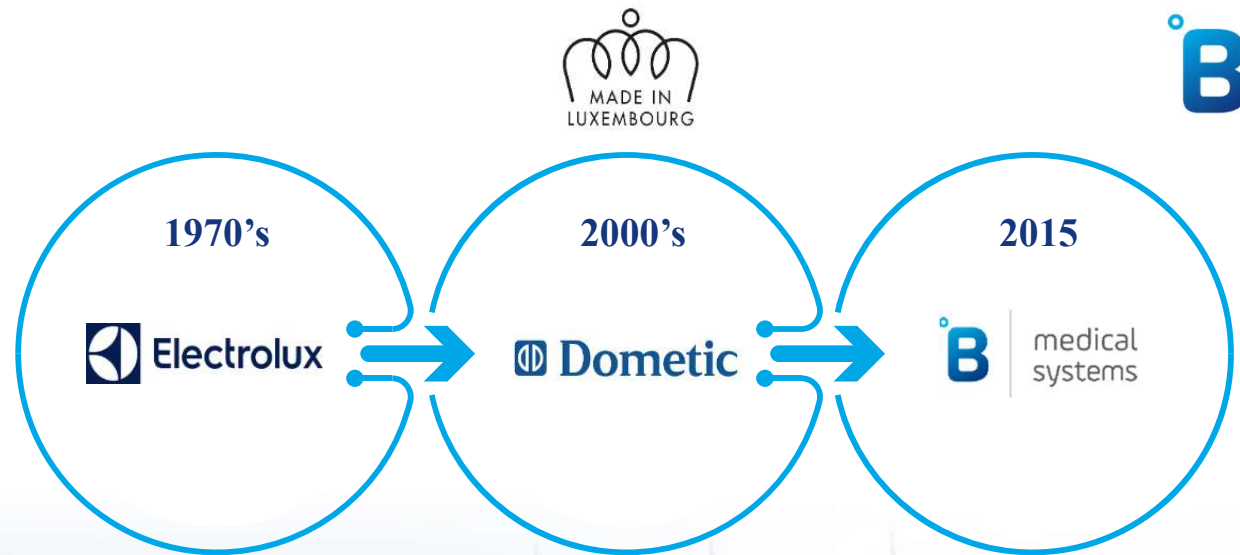


Saving Lives: Empowering Reliable Vaccine Deliveries Until the Last Mile

**Global market leader
in vaccine cold chain
for more than 40
years; Trusted partner
of global humanitarian
organizations and
global bodies**



100+ Solutions Across 3 Segments: Vaccine Cold Chain, Medical Refrigeration & Blood Management Solutions



Vaccine Cold Chain

Reliable and innovative solutions for safe vaccination around the world



Medical Refrigeration

Safe and risk-free storage / transport solutions for temperature-sensitive materials



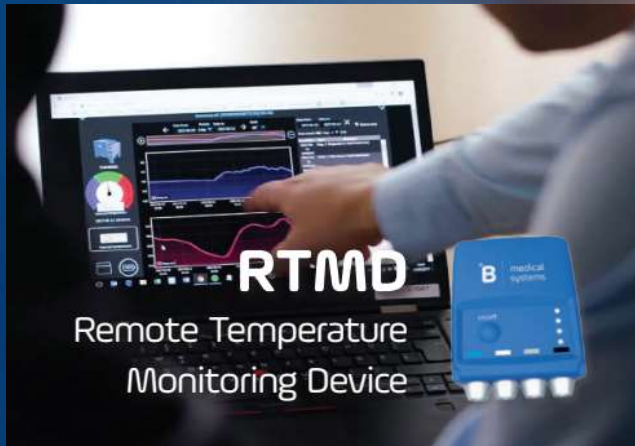
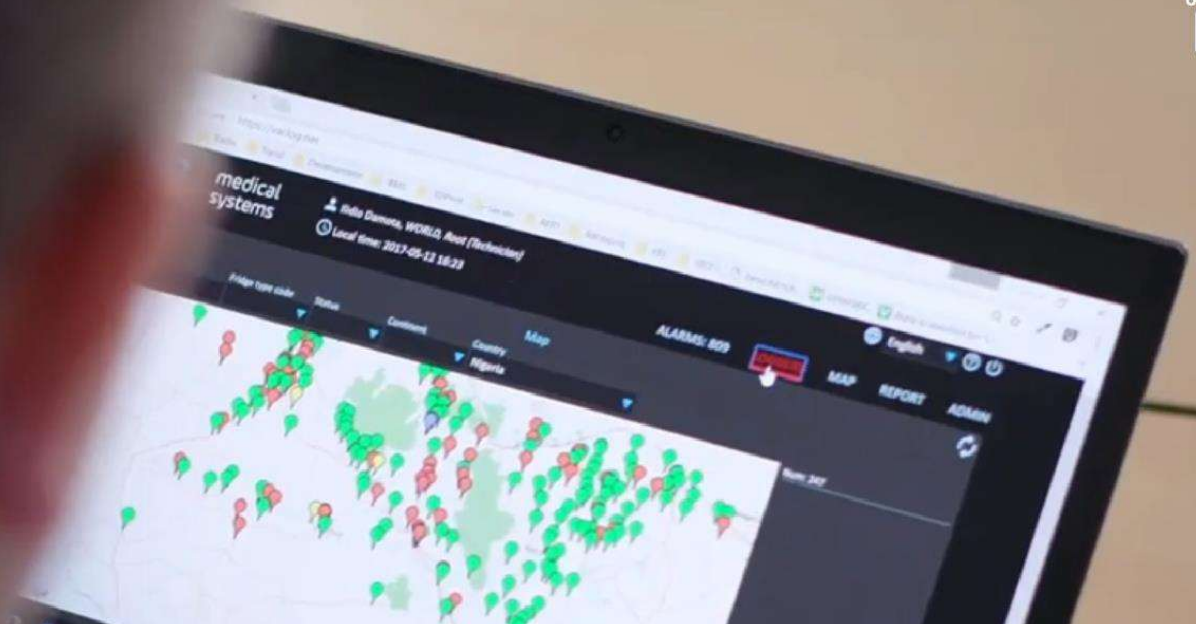
Blood Management

Innovative and safe solutions for the storage and treatment of blood and its derivatives



← Remote Monitoring Solutions →

Our **real-time monitoring systems** ensures that products are monitored **24/7**



Medical Cold Chain is complex and is critical for vaccine potency



Several players
involved



Various forms of
transport modes
involved



Various temperature
conditions

Maintaining a Reliable Cold Chain can be challenging



Challenges and Our solutions

Vaccine wastage due to unreliable cold chains

Reliable cold chains: including refrigerators, freezers, transport boxes and 24/7 real-time monitoring solutions for full traceability

Lack of reliable electricity

Solar-powered vaccine cold chain products; Integrated voltage stabilizer

Lack of adequate cold chain equipments due to varying temperature requirements

Versatile cold chain solutions that can offer multiple temperature ranges – Broad temperature setting range (E.g. U line: from -86°C to -20°C; Multimode TCW3000AC: -20°C, +5°C)

Harsh environmental conditions

Solutions designed and tested to be able to work in harsh environments up to +43°C

Inability to implement the units due to hostile field conditions or lack of local

B Medical Systems relies on its strong partner network spanning across over 170 countries

Offering a variety of cold chain solutions



Storage Temperature



+2°C to +8°C



-20°C to -41°C



-40°C to -86°C

Ambient Temperature



<10°C



10°C to 25°C



25°C to 32°C



32°C to 43°C

Specimen Type



Vaccines



Lab Preparations



Blood & Blood Components



Biospecimens

Power Sources



Solar Power



AC Powered
220V / 230V
/ 115V



Passive
Range/PCM



Last Mile
Delivery
Vehicle

A photograph of a warehouse interior showing rows of blue medical cold chain storage containers. The containers are stacked on wooden pallets, and some have their lids open, revealing internal shelving. The containers are arranged in long rows, creating a perspective that leads into the distance. The floor is a light-colored concrete, and the walls are white. The lighting is bright and even.

A sustainable medical cold chain can solve these challenges and is the need of the hour



1. Solar-powered vaccine cold chain equipment using natural refrigerants and a long warranty can meet the last-mile demands and reduce emissions



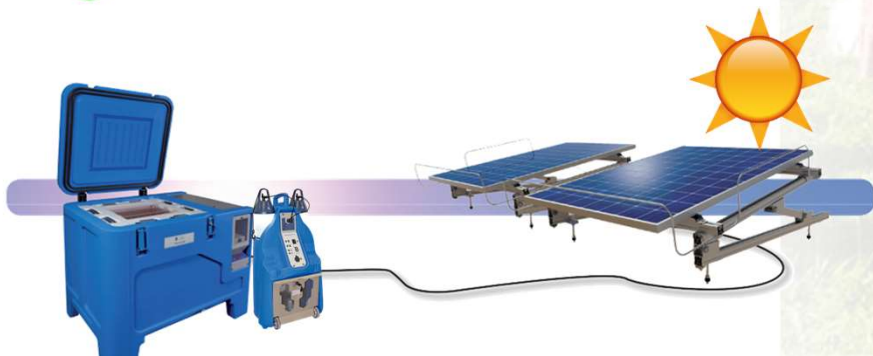
Supports last-mile health centers where unreliable electricity is an issue



Green refrigerants and blowing agents have zero ODP and minimal GWP



Lowest Total Cost of Ownership (TCO)





2. Reliable and energy efficient medical-grade products that can withstand extreme and hostile conditions



Reliable, sturdy, and durable.
Avoids frequent breakdowns



Ability to perform at extreme
temperatures (SN/T)



Versatile and high energy
efficiency products



Certified medical devices



3. Durable and reusable transport solutions ensure that vaccines are safe irrespective of the journey

- ❖ High autonomy
- ❖ Reusability avoiding landfill
- ❖ Sturdiness to withstand long journey and hostile infrastructure

4. Real-Time Monitoring Devices (RTMD) enable the efficient safeguarding of the CCE investments



Benefits of real-time monitoring



Real-time visibility on performance enabling quick corrective measures



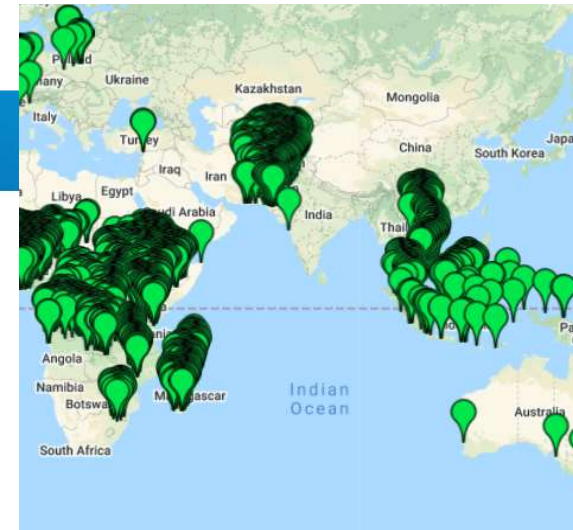
Boosts productivity as it reduces redundancy and helps avoid errors associated with oversight



Automated monitoring, alerts, and notifications



Efficient data management enables value-added services like analytics, data monetization, preventive maintenance, etc.



**Sustainable Medical Cold Chain Devices save life and
paves the way for a better tomorrow**





Medical
Refrigeration



Vaccine Cold
Chain



Blood
Management
Solutions



medical
systems

B Medical Systems S.à r.l.

17, op der Hei
L - 9809 Hosingen, Luxembourg
Tél. : (+352) 92 07 31 - 1
Fax : (+352) 92 07 31 - 300
info@bmedicalsystems.com



www.bmedicalsystems.com

