Virtual Exhibit Hall: Berlinger SmartSystem

April 5, 2023

AIM Association of Immunization Managers

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This webinar is being recorded and will be posted to the AIM website

Agenda

- **12:30 - 12:32 ET:** Welcome and Technology Overview (Monica)
- **12:32 - 12:55 ET:** Berlinger Presentation
- **12:55- 1:00**: Q&A and Closing

About AIM

- The Association of Immunization Managers (AIM) represents the 64 immunization programs that receive funding from CDC's National Center for Immunization and Respiratory Diseases (NCIRD)
- In 50 states, 5 major cities + D.C., the territories, and Pacific Islands
- Programs are tasked with COVID-19 vaccine planning: distribution, administration, and tracking

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Remote Temperature Monitoring with SmartSystem

Berlinger SmartSystem

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Facts and Figures

Cold Chain Management

Innovation since **1865**

140 employees

Operating in over **175** countries

Over **35 years** of experience in Temperature Monitoring

Family- owned

Swiss Quality
Berlinger people make the difference

Sustainability
is at the heart of our design process

Digitalization-driven

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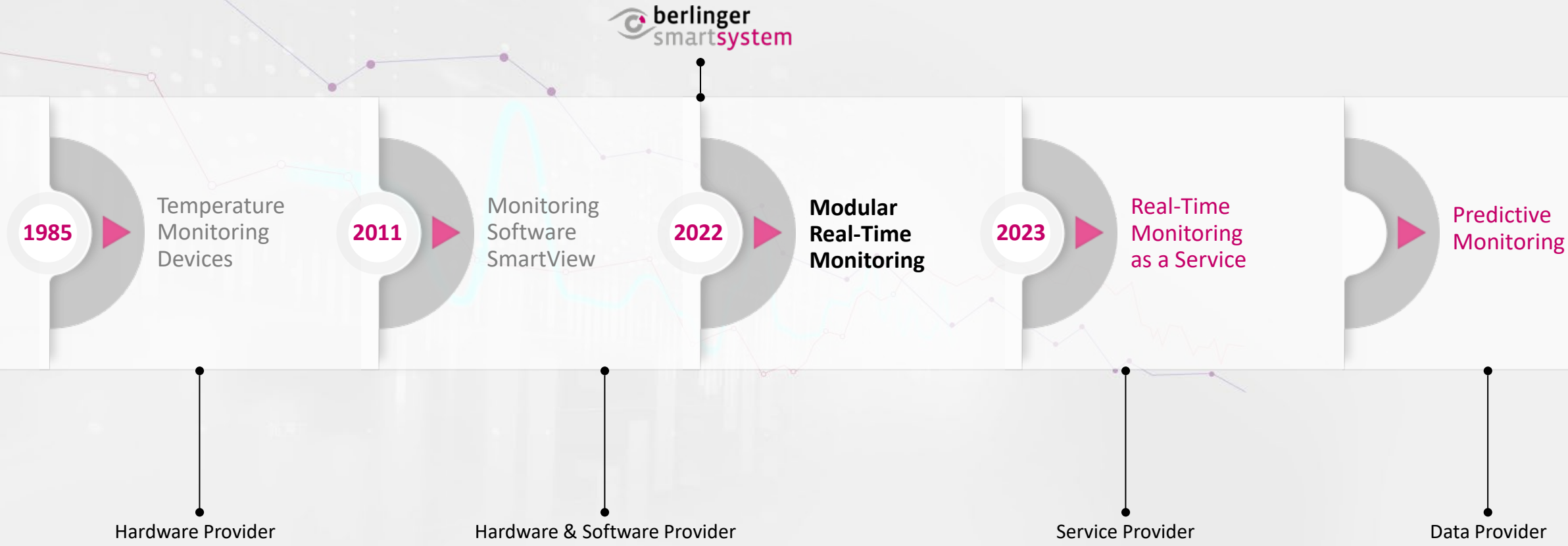
Future ready

From Temperature Monitoring to Full Condition Monitoring



Sustainability Concept

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Monitoring Solutions

Our Worldwide Segments

Pharma & Life Science

Clinical Trial

Global Health

State Health Departments

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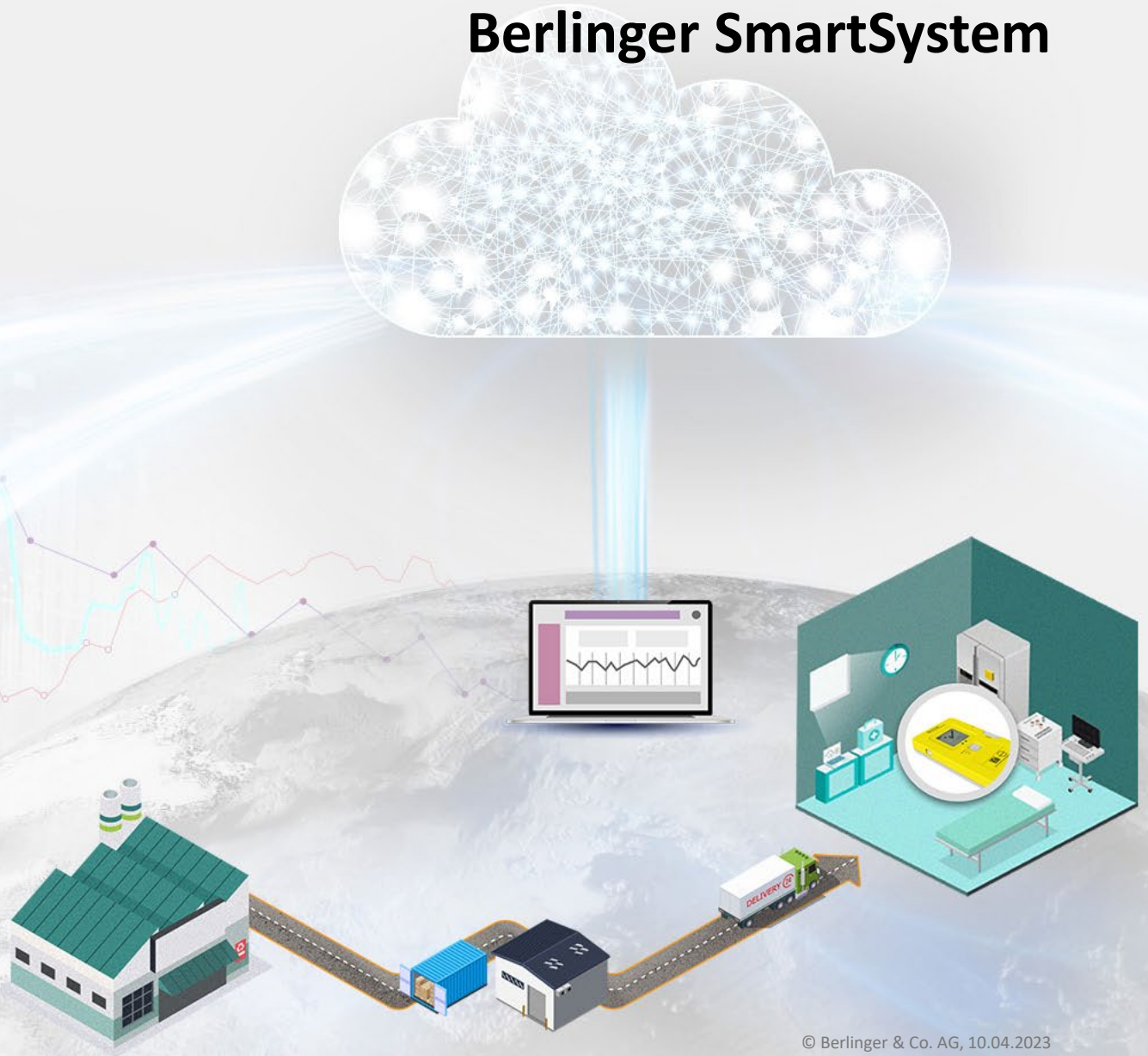
Berlinger SmartSystem

Safeguarding of vaccines

through local relevant information and remote alarm notification by leveraging the power of the **SmartSystem platform**



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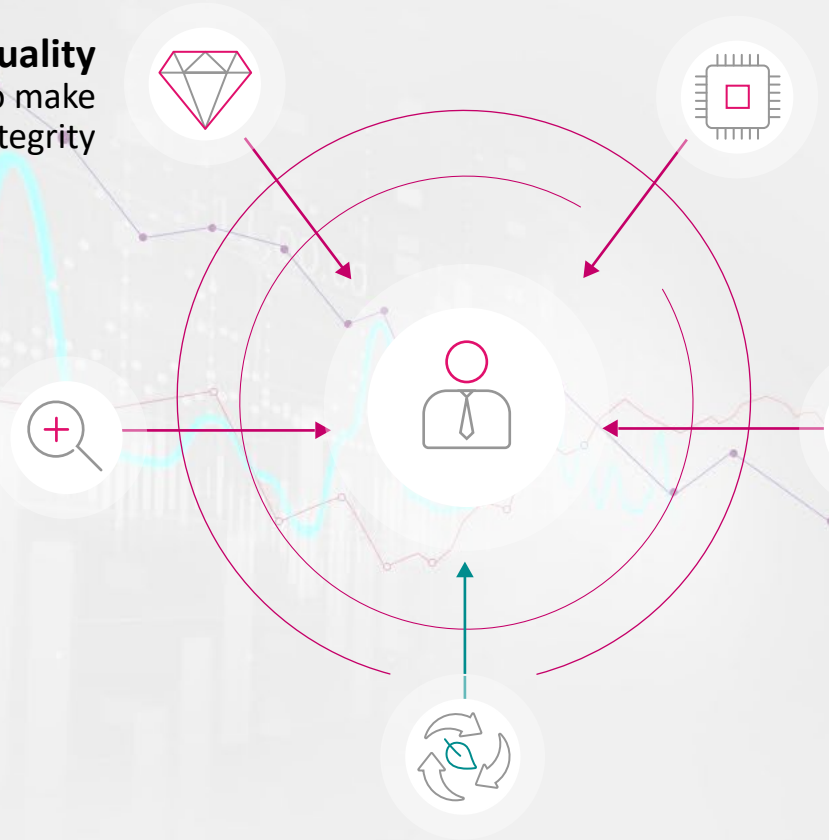
Customer challenges

Quality
Unavailability of data to make effective quality decisions on vaccine integrity

Digitalization/Automation
Manual temperature monitoring and addressing alarms is prone to errors and costly. Using multiple systems in parallel is inefficient



Information Visibility
Data silos & lack of data for trend analysis, conclusive reporting, and timely action

Time
Time-consuming manual process & no automated temperature data collection

Sustainability
Challenge to reducing wastages and the environmental footprint

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Solution: Berlinger SmartSystem

System Overview

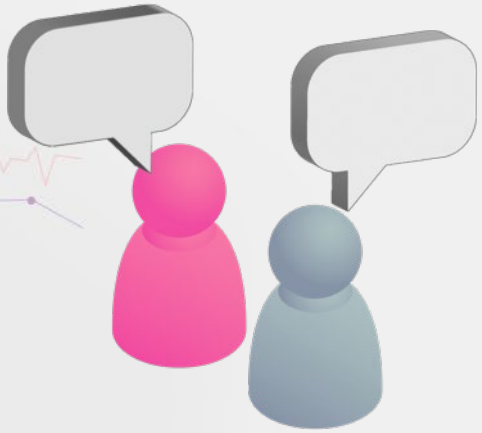
Modular real-time monitoring for fridges and freezers. Fully featured and reusable.

SmartView

SmartMonitor

SmartServices

Training & Commissioning



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SmartView

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Berlinger SmartView

Displays the data captured in one platform
Maximize efficiency and empower automation with API

Reporting

Audit ready with full data access worldwide
to manage KPI easily at the highest quality standards

Cold Chain Equipment Visibility

Immediate alarming in case of temperature deviations
which allows timely and optimization

Quality

Full insights available in SmartView for
QA decisions and in-depth reviews

Automation

Digitize process and device management

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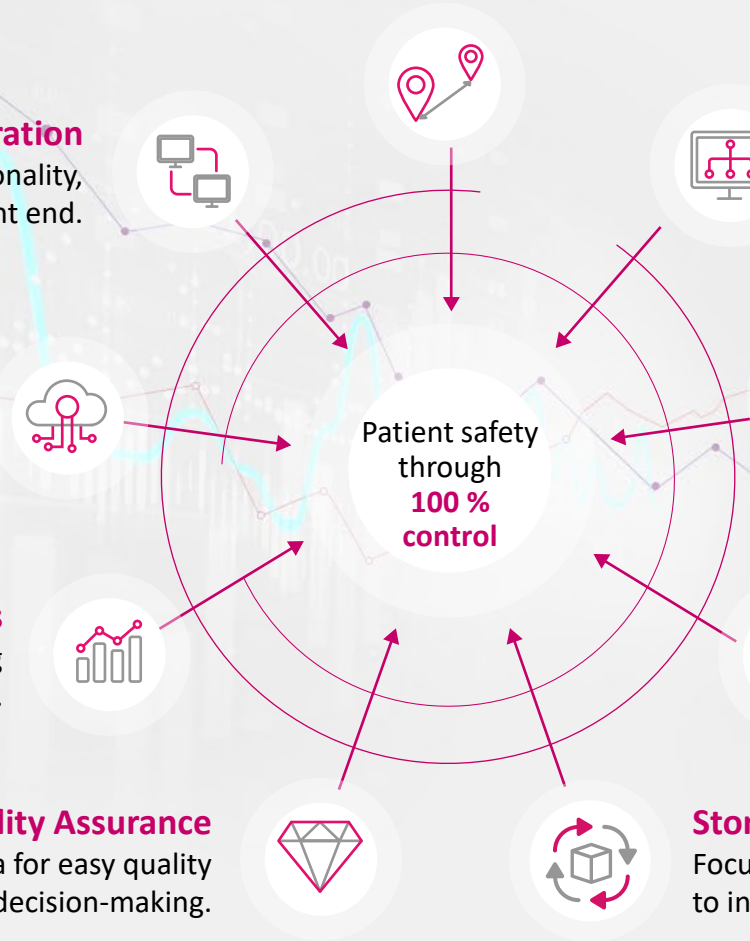
The Value of SmartView

Local and remote monitoring
Local day to day monitoring and alarm notifications
Remote overview and alarm notifications

System Integration
Standardized API including full functionality,
while your system remains front end.

Full control: self-configuration, self-commissioning
Define configurations and assign them
to the devices in the online portal



Single source of truth
Guaranteed compatibility
and data consistency.

Automation
Digital monitoring activities,
reduce errors and benefit from increased
process efficiency, flexibility and reliability

Reporting & Analytics
Continuous site monitoring reporting
and optimization based on KPIs.

Audit trail & accountability
All critical activities are managed
in SmartView and tracked in the audit trail.

Quality Assurance
Consolidated monitoring data for easy quality
review and effective decision-making.

Storage Visibility
Focus on what needs attention - thanks
to incremental alarm modes.

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Modular Hardware Platform

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Berlinger SmartMonitor

Features

- Visual and acoustic alarm
- Just-in-time decision-making
- Powerful back-up battery
- Global connectivity
- Multiple appliance monitoring
- Intuitive handling
- PQS prequalified E006/087

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Modular Real-Time Monitor

Smart Hardware Overview

	Application			Sensors				Communication			Features			Localization
SITE L	Re-use	Recharge-able battery	Multiple external sensors	Temperature	Humidity	Light	Tilt / Shock / Free fall	Bluetooth	Cellular	Wi-Fi	USB	Display	Visual and acoustic alarm	
SHIP L	Re-use	Recharge-able battery	External sensor	Temperature	Humidity	Light	Tilt / Shock / Free fall	Bluetooth	Cellular		USB	Display		Cellular GNNS

Increase automation and reduce costs with device INTERCOMMUNICATION

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Berlinger SmartSystem

Remote Temperature Monitoring

Enhance safeguarding of vaccines with
Remote Temperature Monitoring

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Berlinger SmartSensor*

Quality in detail

Higher accuracy
SmartSensor supports higher temperature accuracy to monitor very temperature sensitive products.

Constant temperature
Sensor in glycol bottle reduces sudden temperature fluctuations (refrigerator door opening or defrosting cycles

Quality Assurance
If the SmartSensor is disconnected from the SmartMonitor during the monitoring process, the user will be alarmed

Extended temperature range
From -200 to +75°C with one device, enabled by SmartSensor.

No heat bridges.
Secure product monitoring thanks to an ultra thin flat cable for optimum temperature monitoring in packaging, container, refrigerator or freezer

Secure device connection
Firmly secured connection to SmartMonitor with M5 connector.

Unique identification
SmartSensor management in SmartView including alarming, history and calibration.

Reliable installation
Cradle, angle adapter and extension cable allowing secure and reliable installation.

Guaranteed compatibility
The SmartMonitor notifies if a wrong SmartSensor type or ID is connected.

*Detailed information in the technical specification sheet

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From Ambition to Action

Reduce the Footprint of Condition Monitoring

Climate Neutral Product 2022/23 by South Pole

…Sustainability-driven product innovation

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Questions

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Upcoming Virtual Exhibit Hall Webinars

- Monday, April 24 at 12:00-12:30 PM ET | SensoScientific
- Monday, April 24 at 1:00-1:30 PM ET | HLN
- Monday, April 24 at 2:00-2:30 PM ET | Dynavax
- Wednesday, April 26 at 2:00-2:30 PM ET | Novavax
- Wednesday, April 26 at 3:30-4:00 PM ET | Strategic Solutions Group
- Wednesday, May 10 at 1:00-1:30 PM ET | LogTag
- Wednesday, May 10 at 3:00-3:30 PM ET | Pfizer
- Wednesday, June 28 at 1:00-1:30 PM ET | Bavarian Nordic

Closing

- Still have questions? Submit your questions to monica_mayer@outlook.com and AIM will facilitate a response.

- Take the event evaluation that we will send at the end of the webinars. Your feedback will help us improve!

- The event recording and Vendor FAQs will be available on the AIM website

https://www.immunizationmanagers.org/corporate-alliance/virtual-exhibit-hall/