CHILLVENTA

Chillventa Specialist Forums 2024
Chillventa Fachforen 2024

CONNECTING EXPERTS.

New MPXPRO

The evolution of the top of the range

CAREL

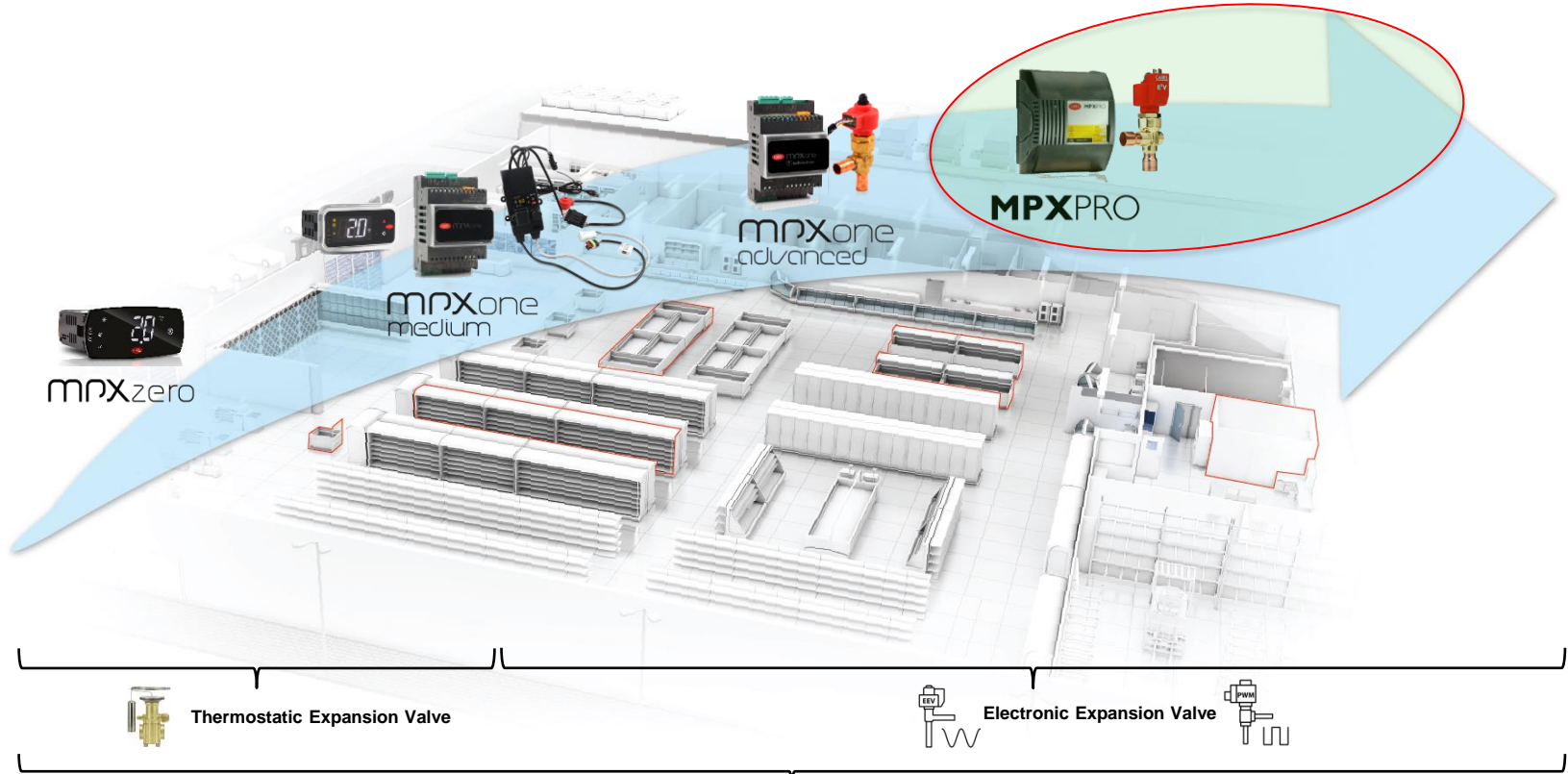REFRIGERANTS

DIGITALISATION

ENERGY PERFORMANCE

chillventa

DRIVEN BY THE FUTURE

Gianluca Caracino
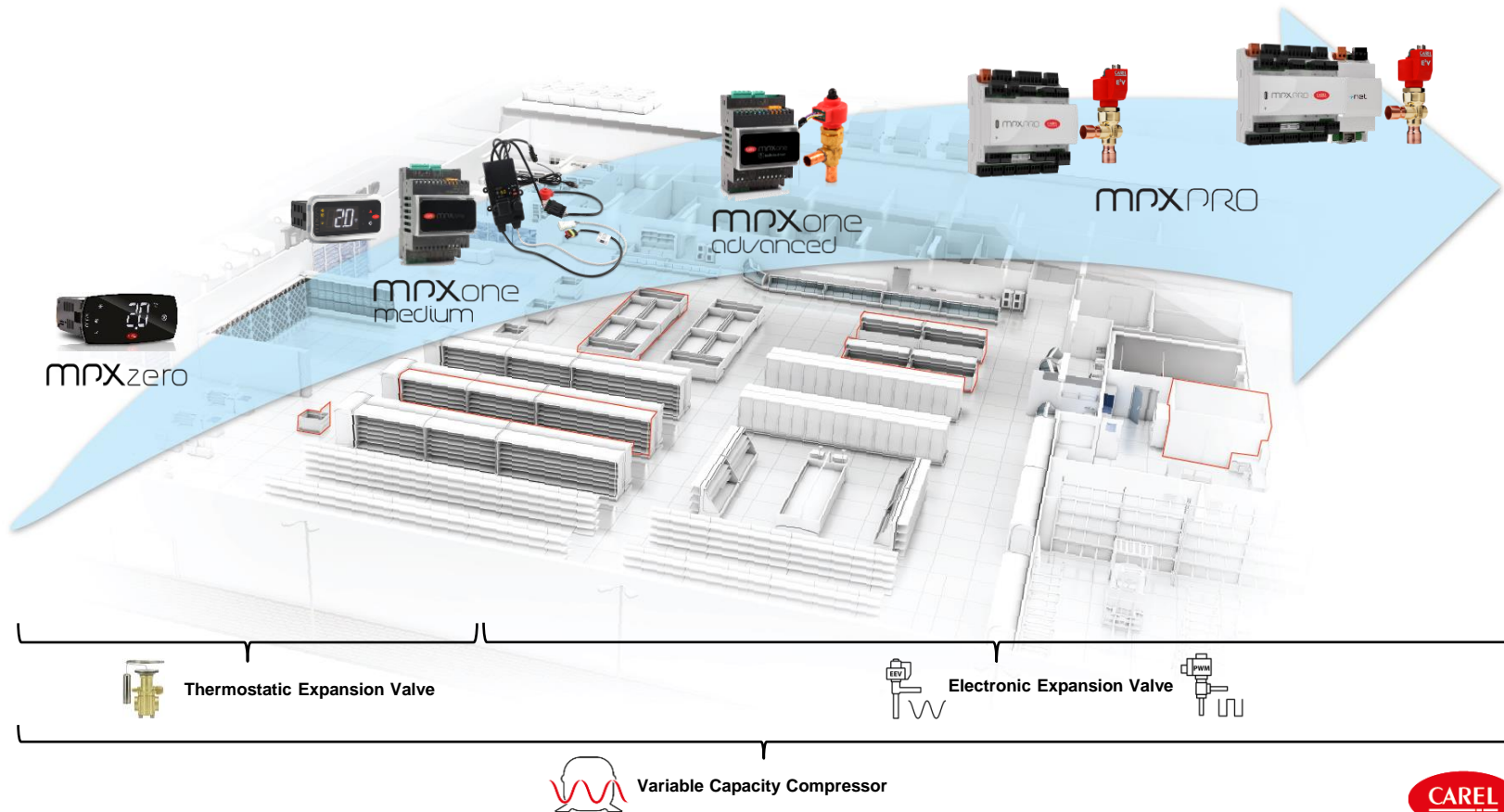*09/10/2024*

The current product range for showcase control
Overall offer for Food Retail applications

MPXzero

MPXone medium

MPXone advanced

MPXPRO

Thermostatic Expansion Valve

Electronic Expansion Valve

Variable Capacity Compressor

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The new complete range for showcase control
Overall offer for Food Retail applications

MPXzero

MPXone medium

MPXone advanced

MPXpro

Thermostatic Expansion Valve

EEV **Electronic Expansion Valve** PWM

Variable Capacity Compressor

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Simplified technology flow
Seamless device integration, from design to installation and beyond

Technical office	Production line	Service operations	Local monitoring	Remote monitoring
SPARK	**SPARKLY**	**APPLICA**	**boss**	**RED optimise**
High flexibility in creating and verifying parameter lists for each user, even in offline mode.	Optimisation of the customer's production process through complete unit configuration and end-of line testing.	Extended and simplified real-time interaction with the unit directly from a mobile device (smartphone, tablet).	Optimisation of the thermodynamic conditions and energy consumption for all system sizes.	Remote multi-site integration and performance benchmarking through intuitive dashboards.

Advanced connectivity (NFC, Bluetooth®)

Panel mounting without screws

Capacitive touch screen

Multicolour icons

High contrast

Wide angle of visibility

Backlit buttons

Cutting-edge user interfaces across the whole MPX range

Unique solution for Food Retail applications
Key assets of the new high-end proposal

Applications landscape	Type of units	Customers needs

CONVENIENCE STORE   PLUG-IN   SERVICES

SUPERMARKET   REMOTE   OEMS

HYPERMARKET   COLD-ROOM   RETAILERS

UNIVERSALITY

Compact and flexible platform for a wide range of applications

USABILITY

Extended and simplified interaction across the range

ADVANCED CONNECTIVITY

Powerful networking capability

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Products offering
Performing, Reliable, Outstanding

Product's main features
Display case controller

Compactness
Just 6 DIN modules, the most compact in the market.

Extensive Energy Monitoring
Built-in current sensors for energy consumption monitoring and failure load detection.
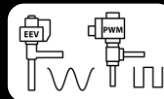
Universal Expansion Valve management
Integrated drivers for Stepper and PWM Electronic Expansion Valve in a single product code.

RS-485 wiring error tolerance
Automatic wiring polarity correction for the BMS and local LAN communication networks.

Product's main features
Display case controller

USB-C
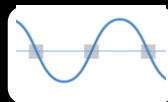Unit programming and logs retrieve even without power supply.

Intuitive checklight
Unit status easily detectable via LED visualisation.

Extra Function Module
Up to two BMS RS-485 serial ports for independent supervisory systems connection.

Zero Crossing
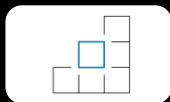Increase the working life of relays and consequently reduce the overall costs of the solution.

Extended control logics
Very Low Superheat, defrost clusterization, EEV setup etc.

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Product's main features
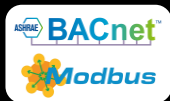## Connectivity expansion module

Versatility
Flexible installation (hooked or remoted).
Up to 2 Ethernet ports for daisy chain connection.

Advanced communication options
Dedicated device for improving communication performance.

Extended protocols
BACnet™/IP and Modbus®/IP.

Group gateway
Shared communication interface among homogeneous group of controllers.

Product Architecture
Flexibility to cover a wide range of applications

Hooked modules

Remote modules interconnection

Standard DIN form factor

Modular approach to maximize the flexibility

Specific modules to enable future market needs

Thank you for your attention.

To find out more, please visit us at our booth:
Hall 5, Stand 304 and 306

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