

A smiling man with glasses on his head, wearing a light purple shirt, is looking at a laptop screen in an office setting. The background is blurred, showing office furniture and a window.

# New EVEVxxx launch!

NEXT generation efficient solutions in HVAC

Raffaella Sirena – Offer Manger Modicon M171/M172

# With EcoStruxure Machine we offer a complete solution to build HVAC units

Air Handling Units



Fan Coil Units & ventilation



Boilers



Heat pumps



Chillers



Rooftops



Packaged



Our targets are:

1. To go on covering a wider and wider range of HVAC machines
2. To connect more and more the HVAC machines to a **cybersecure IIoT**
3. To deliver easy to use **eco-efficient** solutions

# Hydronic machines: New generation of EEVD

Key-enabler for HVAC application expansion

- **Expand HVAC applications**

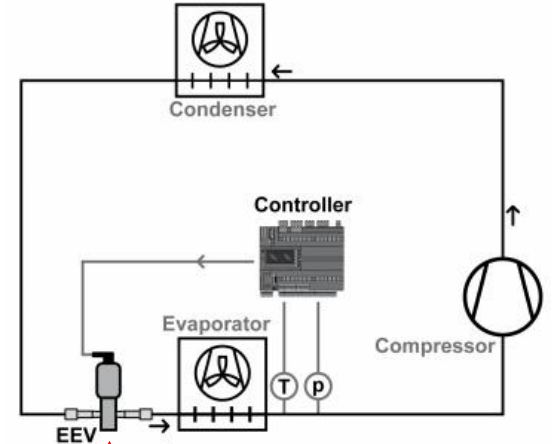
Chiller, Heat pump, Air conditioners, Display cases, Compressor racks, Condensing units...

- **Be aligned with the evolving technology**

Control of the Electronic Expansion Valve

- **Deliver energy efficient machines**

Superheat algorithm to **efficiently** control the evaporator and compressor

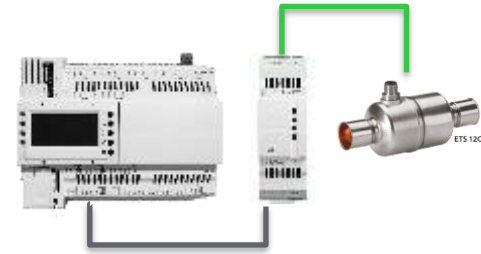


**Sustainability in HVAC control: this is our target!**

# Hydronic machines: New generation of EEVD

Optimizing HVAC systems: new Electronic Expansion Valve Driver

- **Scalable:** EEVD expansion
- **Easy to use:** configuration directly pushed by PLC so no need to configure driver
- **Open:** compatible with main valves manufacturers
- **Flexible:** solution to cover all OEMs needs - for small to large machines
- **Efficient:** customizable integrated superheat algorithm to increase efficiency and fine tune any application



SAGINOMIYA



SANHUA

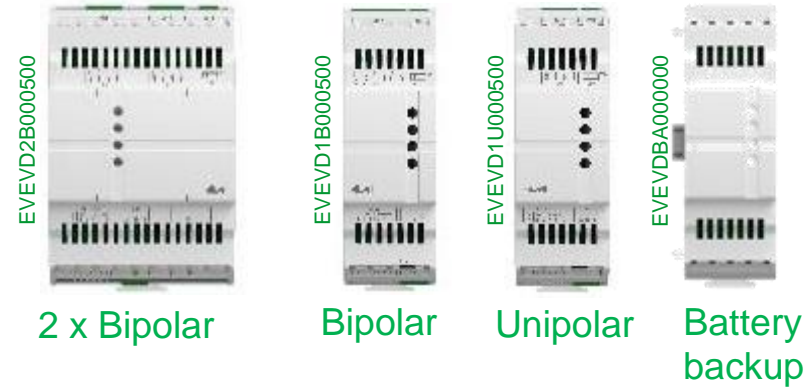
SPORLAN

Danfoss

# New generation of EEVD

- 4 references:
  - drivers + battery backup
- 2 sizes:
  - 2 DINs for single valve
  - 4 DINs for dual valves
- Having the algorithm inside the controller allows to have a better integration and higher efficiency.
- Customers can build his own control algorithm or directly re-use the standard AFBs

Certifications: CE, UL, CSA, EAC, RoHS China



Life Is On

**Schneider**  
Electric

Life Is On

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Electric