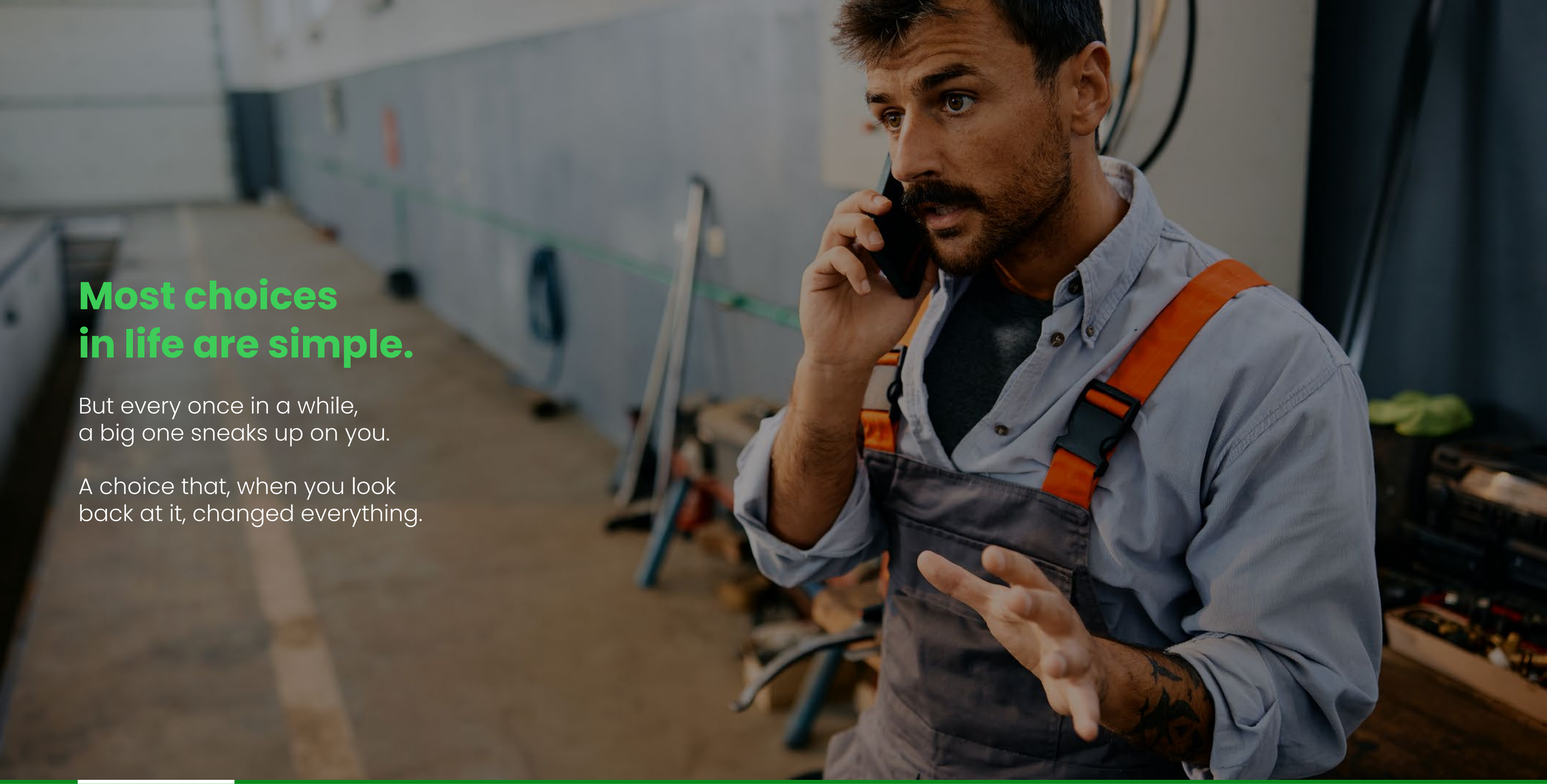
Your future self will thank you.

Become uptime champion
with **EvoPacT HVX for 36 kV**
the most intelligent breakers,
no other comes close.

se.com/evopact

Advancing Energy Tech

Schneider Electric



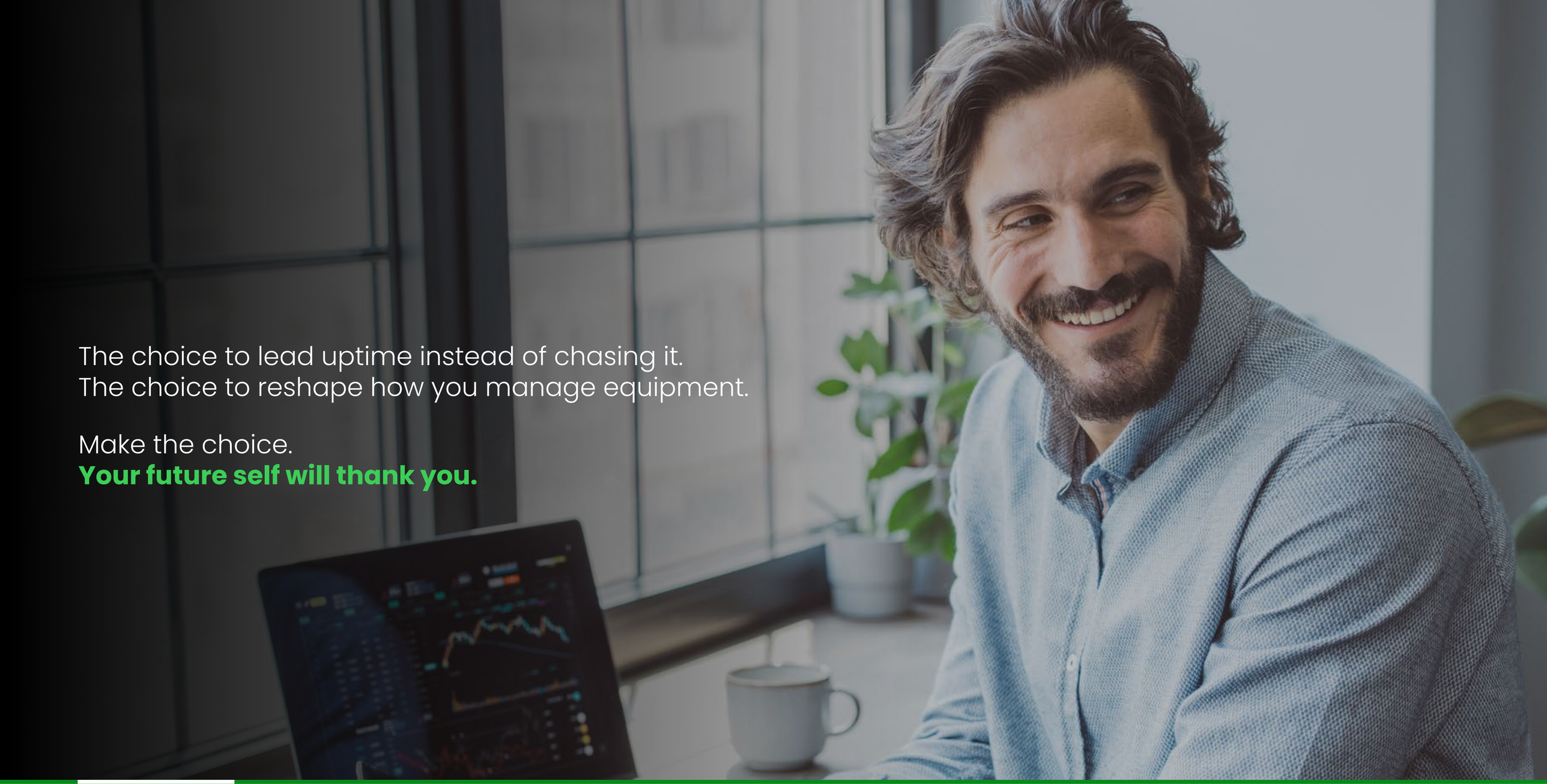
Most choices in life are simple.

But every once in a while, a big one sneaks up on you.

A choice that, when you look back at it, changed everything.

Meet EvoPacT HVX

The most intelligent MV breaker.
No other comes close.



The choice to lead uptime instead of chasing it.
The choice to reshape how you manage equipment.

Make the choice.
Your future self will thank you.

Discover the benefits of EvoPacT HVX

CB health monitoring
Monitor vacuum interrupters and mechanism health.

Native best-in-class sensing
Embedded sensors for CB health trend visibility.

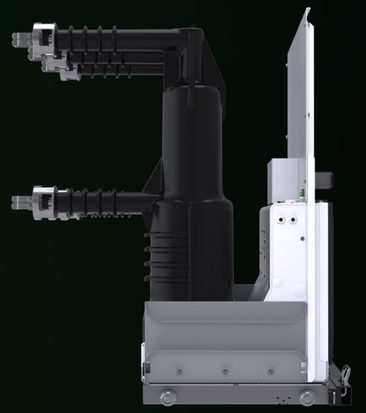
Up to 40% less maintenance
EcoCare's indexes help reduce maintenance.

Longer service life
Up to 2x more operations for lasting performance.

High ratings, no SF_6
Latest vacuum CB technology delivers high ratings without SF_6.

Operate beyond the arc-flash zone
Nearby or remote operation helps reduce risks.

More uptime
Detect thermal hotspots and breaker misalignment to avoid downtime.



4 first steps

to become **uptime champion** with EvoPacT HVX

Step 1

Built for the New Energy World

EvoPacT HVX, build on decades of expertise to deliver unprecedented levels of reliability, enhancing the safety of both operators and facilities.

They are also built for the New Energy World, lasting up to two times longer compared to previous designs, and certified for a wider range of ambient operating temperatures.

Ready for the high-density power needs of data centers and renewable integration.

Challenges you had never faced before. EvoPacT HVX redefines reliability.

Up to 2x

Operations at normal rated current,
Up to 20,000 for 36 kV

Step 2

24/7 Monitoring

Add an EcoCare Membership and you've got an entire expert team behind you watching your systems 24/7.

Using performance data captured by built-in sensors tracking temperature, environment, vacuum interrupter health, mechanism health and alignment of the breaker.

Feeding advanced AI models to predict issues before they happen and stop downtime before it stops you.

Reduce unplanned downtime

by up to 75x *

*This percentage is non-contractual and is based on our experience and expertise for the main root cause of electrical failure risk observed in low and medium-voltage equipment and for which Schneider Electric has developed solutions. Visit se.com/ecocare

Step 3

Maintenance Only When Needed

Say bye-bye to the days of intrusive, unnecessary shutdowns.

With EcoCare's health and maintenance indexes you unlock condition-based maintenance at scale.

Servicing only when truly needed. Giving you the flexibility for maintenance at the right time.

More uptime.
Less wasted effort.

Shifting from calendar-based maintenance to an **AI-powered condition-based strategy** cuts unnecessary and intrusive work.

Instead of servicing equipment on fixed schedules, advanced sensors and AI-driven health and maintenance indexes track real operating conditions so maintenance happens only when it's truly needed.

Avoids needless shutdowns, and boosts team efficiency, reducing intrusive maintenance

by over 40%*

*Percentage calculation when manufacturer recommended maintenance is extended by up to two years, from three to five years.

Step 4

Faster Replacement

And when the time comes to replace breakers, advanced health indexes tells you **exactly which ones** - enabling a smooth, **EvoPacT HVX replacement.**

Continuity preserved, disruption minimized.

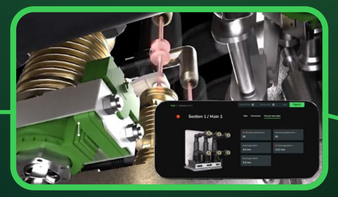
Meet EvoPacT:
The most intelligent* MV breaker

EvoPacT HVX MV vacuum circuit breakers are digital by design. Intelligence from up to 5 types of embedded **condition-monitoring sensors**, continuously measuring the breaker's actual operating state.

*Most intelligent based on AI-powered models and indexes built with continuous data from up to 5 exclusive condition monitoring sensors.

Meet EvoPacT:
The most intelligent MV breaker

Vacuum interrupter monitoring



A dedicated sensor measures the snatch gap over time, tracking real contact erosion from the very first operation. Feeding advanced aging algorithms to predict remaining life and helping ensure optimal electrical performance.

Coils and motors health monitoring

Ensuring timely replacement and consistent energy deployment for every operation.

Mechanism monitoring

A speed sensor tracks the opening and closing performance of the operating mechanism—any decline in velocity is flagged long before safety or reliability is compromised.

Meet EvoPacT:
The most intelligent MV breaker

Avoiding hidden risks

Breakers may be unknowingly misaligned when racked in and can lead to severe arc-flash risk. EvoPacT helps prevent this with two layers of protection:

1 Alignment sensor

Ensures accurate mechanical alignment inside the cabinet, verifying proper engagement of the MV contacts.

2 Thermal sensors

On every arm detect abnormal heat signatures caused by poor connections, contamination, contact wear, or load imbalance—catching issues early, before they escalate into failures.

Digital Intelligence that stays with the breaker

A smart breaker monitoring module continuously records all sensor data, preserving a unique digital health profile for each breaker - even after replacement.

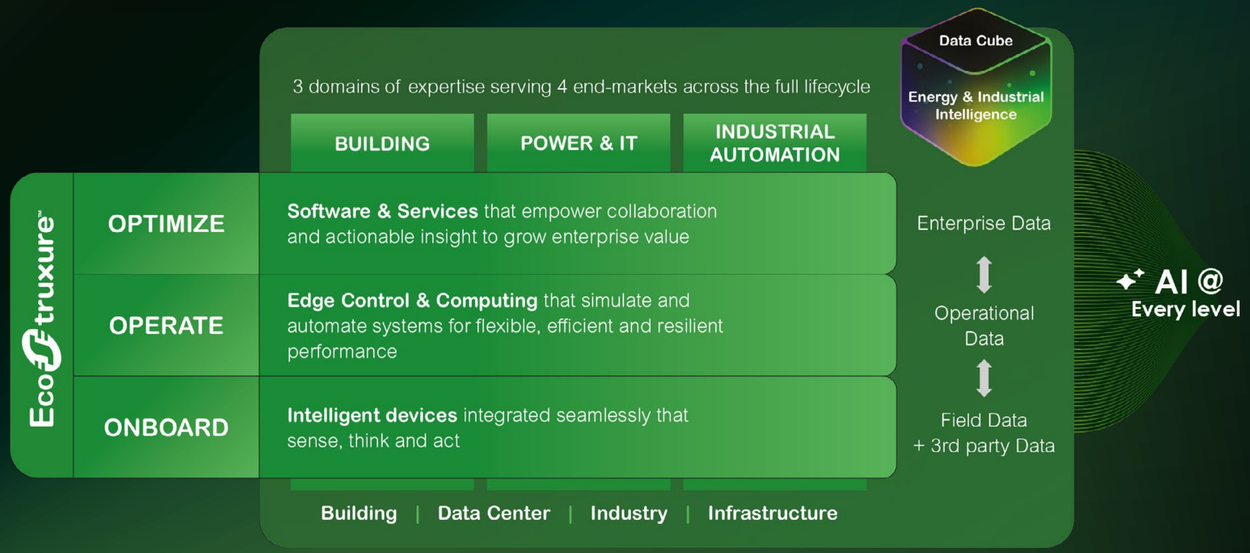
EvoPacT HVX intelligent devices at the foundation of EcoStruxure

EcoStruxure is our digital foundation that connect every layer of the energy world, from the smallest device to the largest grid, from the edge to the cloud.

We first onboard intelligent, AI-enabled devices – like EvoPacT HVX that connect the physical and digital worlds so our customers can get the information needed to reach the goals they set out to achieve.

At the operate level, we offer solution for edge control and computing enable real-time control and orchestration of connected devices – driving operational efficiency, reliability, and performance through dynamic, secure execution environments.

The optimize level is all about transforming enterprise data into strategic insights for efficiency, collaboration, and continuous improvement with our Software & Services offer.



Scalable and modular to meet your needs

Scalable intelligence for the right fit

Designed to be modular, flexible, and easily upgraded, EvoPacT HVX circuit breakers come in a scalable range of connectivity tiers, to fit your growing needs.

Whether you start with the standard EvoPacT, Active, EvoPacT Active Plus, sensors, monitoring, and control features are easily scaled.

	EvoPacT Active	EvoPacT Active Plus
Edge and cloud connectivity	☑	☑
Remote monitoring (App)	☑	☑
Local HMI (monitoring & control)	☑	☑
Thermal monitoring	☑	☑
Remote and nearby control	Optional	☑
24/7 monitoring by Schneider Electric experts	Available with EcoCare	Available with EcoCare
CB Alignment and position	Optional	☑
CB Auxiliary monitoring	Optional	☑
CB Health condition	N/A	☑

Explore EcoCare services membership

Unlock all the benefits of EvoPacT HVX with the right service plan.

With EcoCare membership, our next generation service plan, we offer the depth of our **expertise combined with innovative digital capabilities and condition-based maintenance across the equipment lifecycle.**

EcoCare members unlock the full **potential of their connected products**, so that our experts can proactively monitor 24/7, support, maintain, fix, advise and empower your team.

Find out more

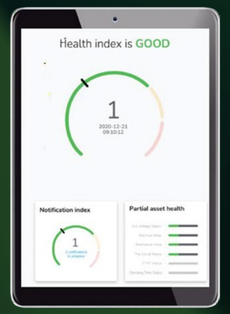
- Reduce maintenance activities and planned downtime costs by performing dynamic maintenance
- Reduce electrical failure risk and unplanned downtime by up to 75% by combining environmental and thermal monitoring
- Extend your asset lifespan and avoid carbon emissions
- Faster response times and exclusive access to best-in-class experts and support, remotely and on-site 24/7
- Detect and anticipate potential issues and schedule maintenance when needed with condition-based remote monitoring and analytics
- Get maintenance recommendations and insights to optimize your operations while making it more resilient and sustainable

EcoCare’s exclusive indexes

The data from EvoPacT’s sensors enables our Connected Services Hub Team to perform remote monitoring and generate alarms for EcoCare members' assets.

Powered by advanced analytics, we help you improve the performance of your circuit breaker, by leveraging data from four proprietary AI indexes by:

1 Health index



Monitoring the health of your electrical asset

2 Maintenance index

Helping prioritize on-site activities through our Maintenance Index

3 Electrical fire index

Detecting thermal anomalies, helping to protect against electrical fires with our Electrical Fire Index

Built-in sustainability

We are dedicated to advancing sustainable power distribution, EvoPacT HVX enhances sustainability by offering:

Modularity and easy upgrades that allow quick adaptation to evolving business needs - whether integrating new sensors or replacing aging components.

X2

A long-lasting circuit breaker designed for up to 20,000* operations, reducing the frequency of replacements.

Vacuum interruption technology that helps eliminate fluorinated gases, even at high ratings.

Environmental Data Program

Additionally, our new Environmental Data Program provides a transparent, data-driven framework designed to support and guide environmentally responsible decisions.

Condition-based maintenance through EcoCare membership, reducing the service needs by up to 40% and minimizing environmental impact.

*See page 7 for further information

IEC Technical specifications

General characteristics for EvoPacT HVX fixed and withdrawable MV circuit breakers
Tested and compliant to IEC: 62271 -100

Designation			
Rated voltage	Ur	kV	36
Rated frequency	fr	Hz	50/60
Rated power frequency withstand voltage	Ud	kV	70
Rated short-circuit breaking current	Isc	kA	Up to 31.5
Rated duration of short circuit	tK	s	3
Rated operation sequences			O - 0.3 s - CO - 15 s - CO
Ambient operating temperature	T	Degrees C	-25 to +50
Rated normal current	Ir	A	630 800 1250 2000 2500

To get more information about Schneider Electric EvoPacT HVX MV circuit breaker, visit:

se.com/evopact

Schneider Electric
Head Office
35, rue Joseph Monier - CS 30323
F92506 Rueil-Malmaison Cedex

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