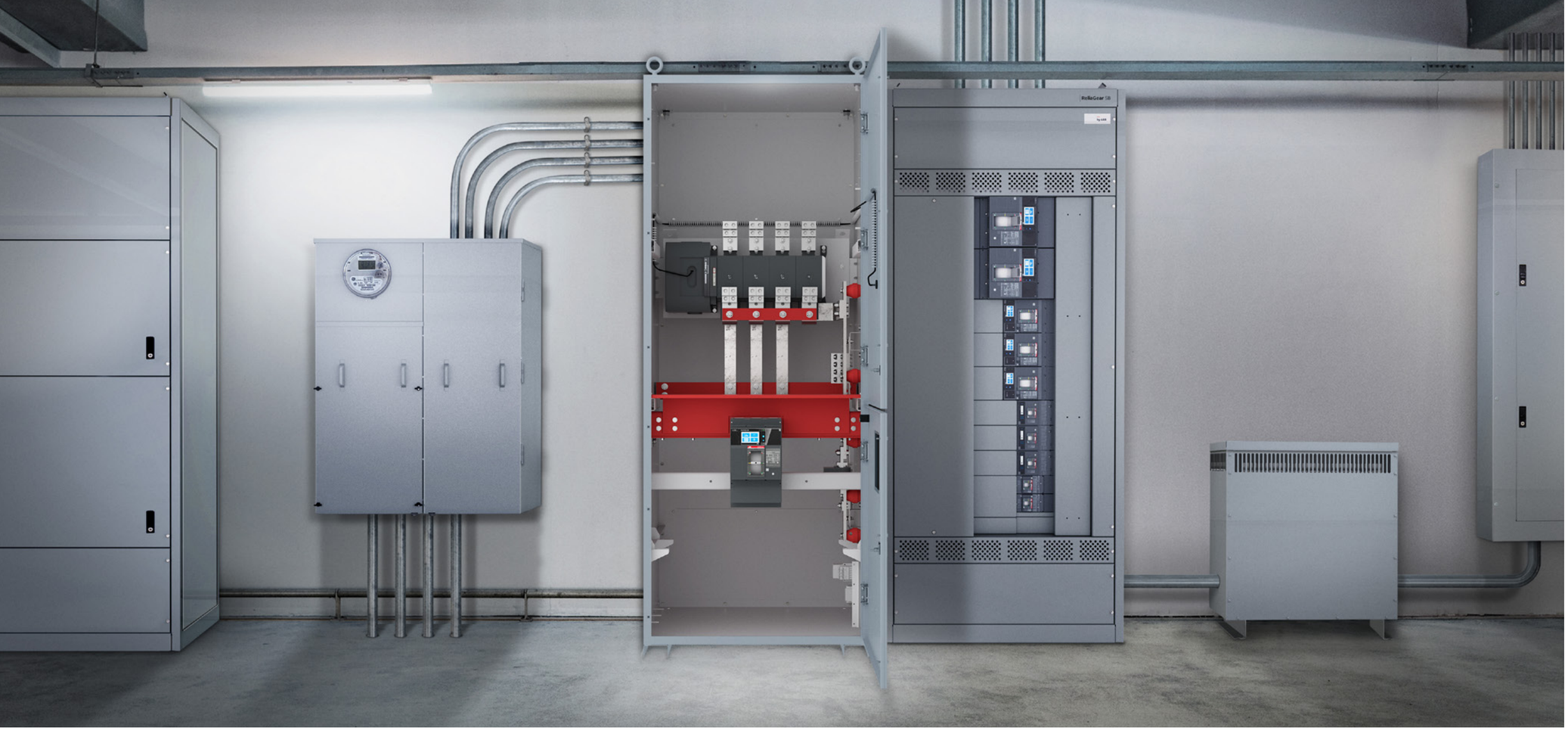

All your critical power, protected from one point

Zenith T-series Service Entrance Rated ATS (SE ATS)

LET'S GO

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Complete your critical power protection

No gaps, no confusion. Just protection you can trust, in one package.

Many critical power solutions leave things like compatibility to chance – and you might not even realize where the gaps lie.

But when power is mission critical, you can't take risks. With the new Zenith T-series Service Entrance Rated ATS (SE ATS), you can defend critical systems from unplanned downtime with one compact unit. Protecting around the clock against short circuit and power loss.

Simple and self-contained

In one package, you'll get a market-leading ATS and circuit breaker that pair perfectly – and offer a current rating that matches or exceeds any market alternative.

Up to 40% smaller, more powerful than ever

You'll find 100 years of innovation in power switching packed into one little unit. It may be small, but it combines two leading technologies: ABB TruONE™ and ABB LV circuit breakers (Tmax XT and Emax 2).

Smart protection

With optional smart features like predictive maintenance and built-in thermal monitoring, the Zenith SE ATS can help maximize uptime and minimize maintenance.

Supporting your sector

Whether it’s supporting seamless operations or ensuring full NEC compliance, having reliable power isn’t optional. Here are some of the applications that benefit from Zenith T-series SE ATS’s all-one-technology:

Commercial buildings

Office spaces, malls, banks, call centers, hotels, and service stations.

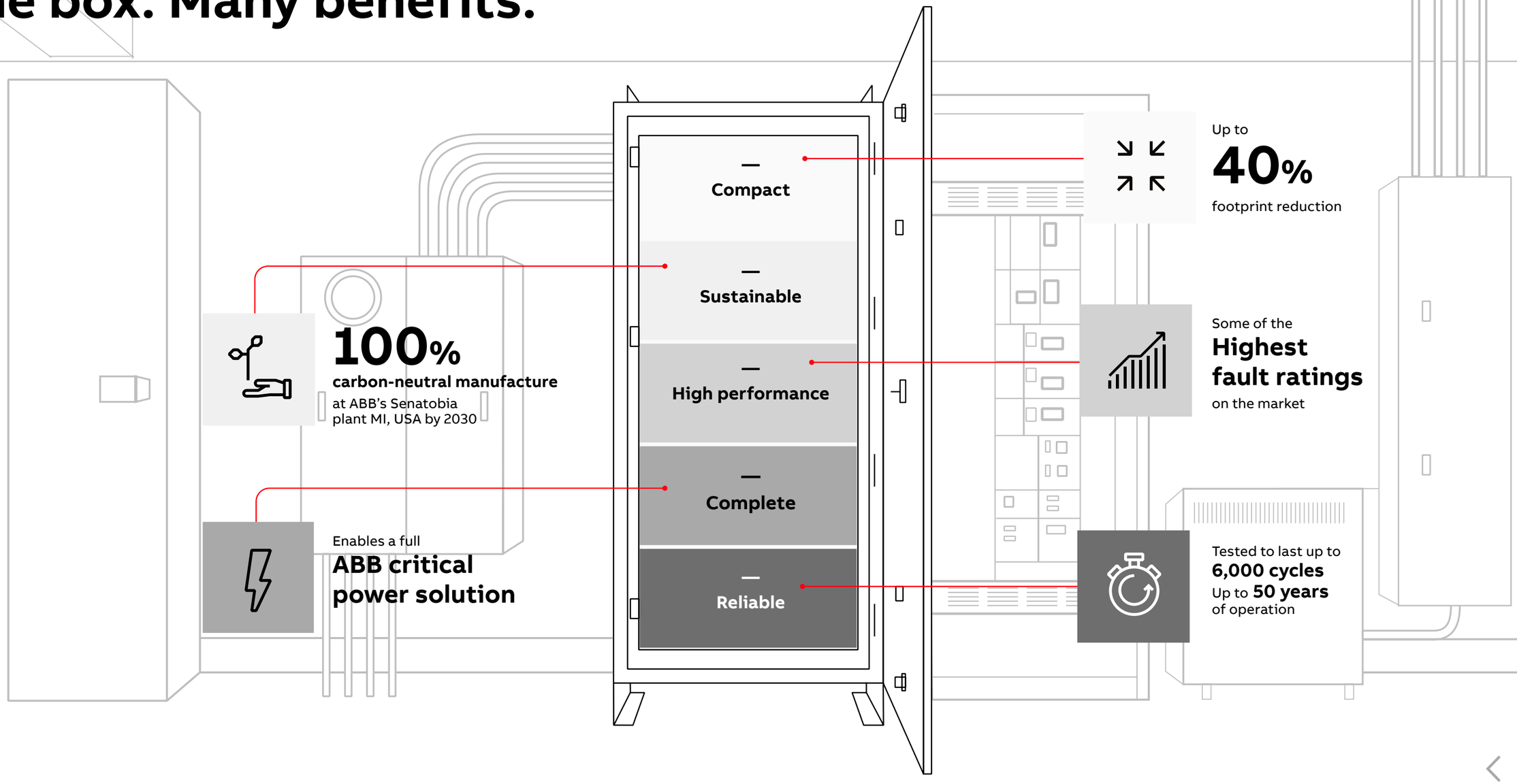
Light industry and infrastructure

Water and wastewater, manufacturing, agriculture, power generation, utilities, telecom, transport, first responder sites, military bases, healthcare, and government buildings.

Don’t see your application?

We have other solutions to support you. Click here for more.

One box. Many benefits.



Operate easily, with everything working as one

Even your most essential systems should be simple to keep online. Faster commissioning, less maintenance, and remote energy management make the Zenith SE ATS one of the easiest ways to power smoother operations.

Modular components

- Easy to stock and replace in the field

Faster servicing

- 95% fewer components than previous product versions

Plug-and-play accessories

- Simple compatibility, whether part of a complete ABB system or retrofitted

Enable smart, sustainable energy management

- Six advanced communication protocols simply connect to cloud-based monitoring like ABB Energy Manager

Protect and predict from one point

When uptime is everything, you want the best protection available. Support your systems to stay up and running longer with optional smart features designed for specialist applications.

One unit, two options, thousands of applications.

ZTSSE T-series

Our most advanced digitally enabled model offers next-level protection with predictive maintenance. Monitor contact wear with live statuses and predicted end-of-life functionality, plus 24/7 thermal monitoring and real-time alerts.

ZTGSE T-series

With powerful built-in safety features and a high fault rating, our standard offering is anything but basic.

Maximize uptime

- Alert facility managers of potential problems – when connected with ABB Ability™ advanced cloud monitoring
- Extremely high fault rating – with 2 levels of AIC ratings for basic and high fault applications up to 65kA @480Vac
- Minimize disruption – option to operate without HMI enables faster interface replacement

Enhance safety

- Single point of disconnection – making it safer for everyone, from first responders to service engineers
- Minimizes connection faults - with no line voltage at HMI

Smaller package, bigger savings

When space is at a premium, compact is better. To give you more flexibility in how you protect your critical power – and design your larger systems – we've packed a lot into the Zenith T-series SE ATS.

All-in-one cost efficiency

- Combine utility source protection, disconnect, and ATS in one multifunctional unit – saving time, space, and maintenance effort

Space-saving footprint

- Up to 40% less than other market options

The bigger picture

See how the Zenith SE ATS range slots into the ABB critical power protection offering.

ZTG T-series

General purpose commercial and industrial ATS

30-3000A

ZTGSE/ZTSSE T-series

Service entrance rated ATS general purpose and mission critical

30-1200A

ZTS T-series

Mission critical ATS

30-3000A

Have other critical requirements?

It’s not just light industry and commercial buildings we cover. You’ll find our full suite of critical power products here.

Technical specifications

The Zenith SE ATS range offers critical power protection for applications from 30 to 1200A.

Choose advanced digitally enhanced protection with the ZTSSE or powerful standard protection with the ZTGSE.

Need more information?

Click here for the SE ATS ordering type designation key.

Technical data, 30-600A

Ampere rating	30, 60	100	150, 200	225	250	400	600
Standard	UL 1008	UL 1008	UL 1008	UL 1008	UL 1008	UL 1008	UL 891[1]
ATS frame	TruONE, R2	TruONE, R2	TruONE, R2	TruONE, R2	TruONE, R2	TruONE, R3	TruONE, R3
Transition type	Open, delayed	Open, delayed	Open, delayed	Open, delayed	Open, delayed	Open, delayed	Open, delayed
Neutral type	Solid, switched, overlapping[2]	Solid, switched, overlapping[2]	Solid, switched, overlapping[2]	Solid, switched, overlapping[2]	Solid, switched, overlapping[2]	Solid, switched, overlapping[2]	Solid, switched, overlapping[2]
Breaker frame	Tmax, XT2	Tmax, XT2	Tmax, XT4	Tmax, XT4	Tmax, XT4	Tmax, XT5	Tmax, XT5
AIC @480V **(ZTGSE)**	35kA	35kA	35kA	35kA	35kA	50kA	50kA
AIC @480V **(ZTSSE)**	65kA	65kA	65kA	65kA	65kA	65kA	65kA
Ground fault protection	No	No	No	Optional	Optional	Optional	Optional
Enclosure UL Type	1, 3R, 12, 4, 4X	1, 3R, 12, 4, 4X	1, 3R, 12, 4, 4X	1, 3R, 12, 4, 4X	1, 3R, 12, 4, 4X	1, 3R, 12, 4, 4X	1, 3R, 12, 4, 4X
Type 1 dimensions W x D x H (in)	24 x 14 x 46	24 x 14 x 46	24 x 14 x 46	28 x 20 x 58	28 x 20 x 58	28 x 20 x 58	40 x 20 x 74

[1] cUL marking provided with optional CA SE ATS barriers
[2] Overlapping with ZTSSE only

Technical specifications

Technical data, 800-1200A

Ampere rating	800-1200
Standard	UL 891[1]
ATS frame	TruONE, R4
Transition type	Open, delayed
Neutral type	Solid, switched, overlapping[2]
Breaker frame	Tmax, XT7
AIC @480V **(ZTGSE)**	65kA
AIC @480V **(ZTSSE)**	100kA
Ground fault protection	Yes (optional on 800A)
Enclosure UL Type	1, 3R, 12, 4, 4X
Type 1 dimensions W x D x H (in)	36 x 37.5 x 92

[1] cUL marking provided with optional CA SE ATS barriers
[2] Overlapping with ZTSSE only

Ready to realize your vision?

It’s simple to get all your critical power protected from one point.

Ask your distributor about ABB ‘s Zenith Service Entrance Automatic Transfer Switch today.

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