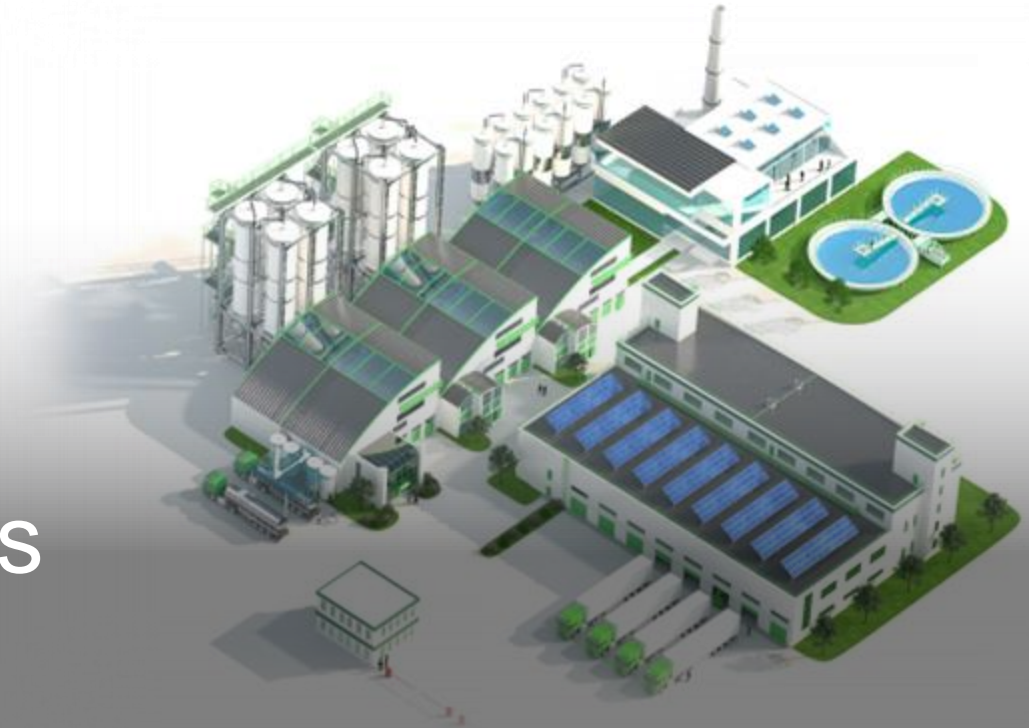


EcoStruxure™ for Life Sciences

Building next-generation industries



Developing life sciences facilities of the future

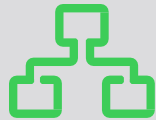
Managing life sciences facilities effectively is mission-critical to profitably produce medicinal products of consistent quality

Facilities play a vital role in the efficacy of the product lifecycle, driving the cost of medicinal products down and delivering quality products to patients faster.

Minimize costly deviations, lost product and unplanned downtime



Manage vast data from multiple siloed systems, suppliers and sites



Ease adherence to regulatory requirements and good practices



Evolve existing and build a new facility rapidly to meet rising demand



Mitigate risk to IP theft from cyber attacks



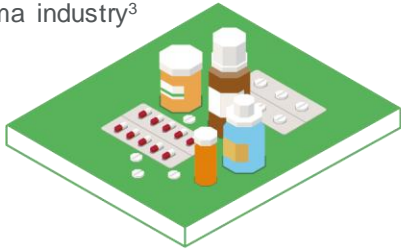
Accomplish sustainability goals to increase shareholder value



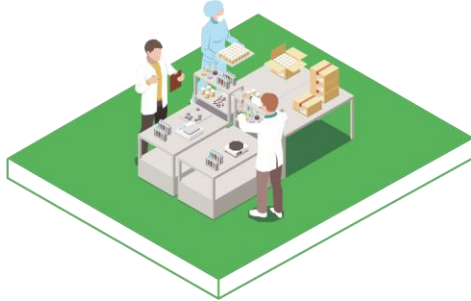
Challenges of Life Sciences facilities

Trends and challenges that are facing pharmaceutical manufacturers

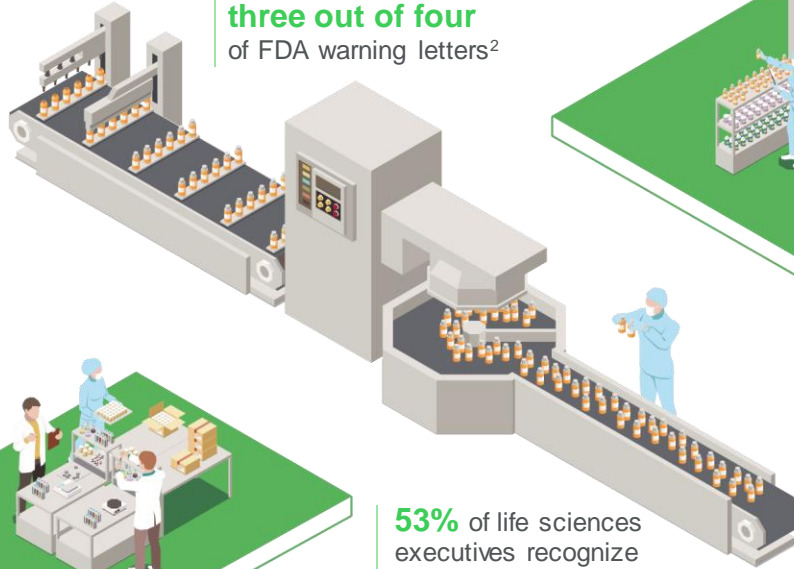
58.6%
emission reduction
pledge overall by
pharma industry³



Inflexible, cost-prohibitive production facilities take **>3 years** to complete and even longer to validate for production⁵

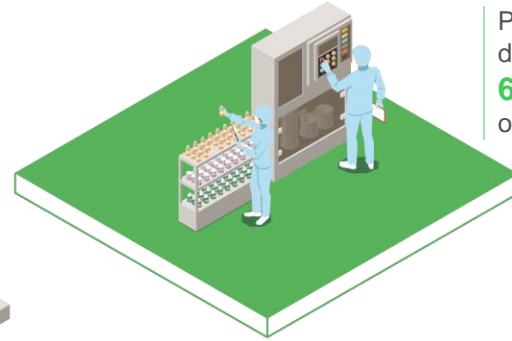


Data integrity cited in **three out of four** of FDA warning letters²



53% of life sciences executives recognize that data mastery with advance analytics is crucial¹

Power disruptions, **6-8 per year**, on average



Two thirds of pharma companies have suffered serious data breaches while a quarter have been hacked⁴

References can be found in the commentary section.

EcoStruxure™ for Life Sciences facilities

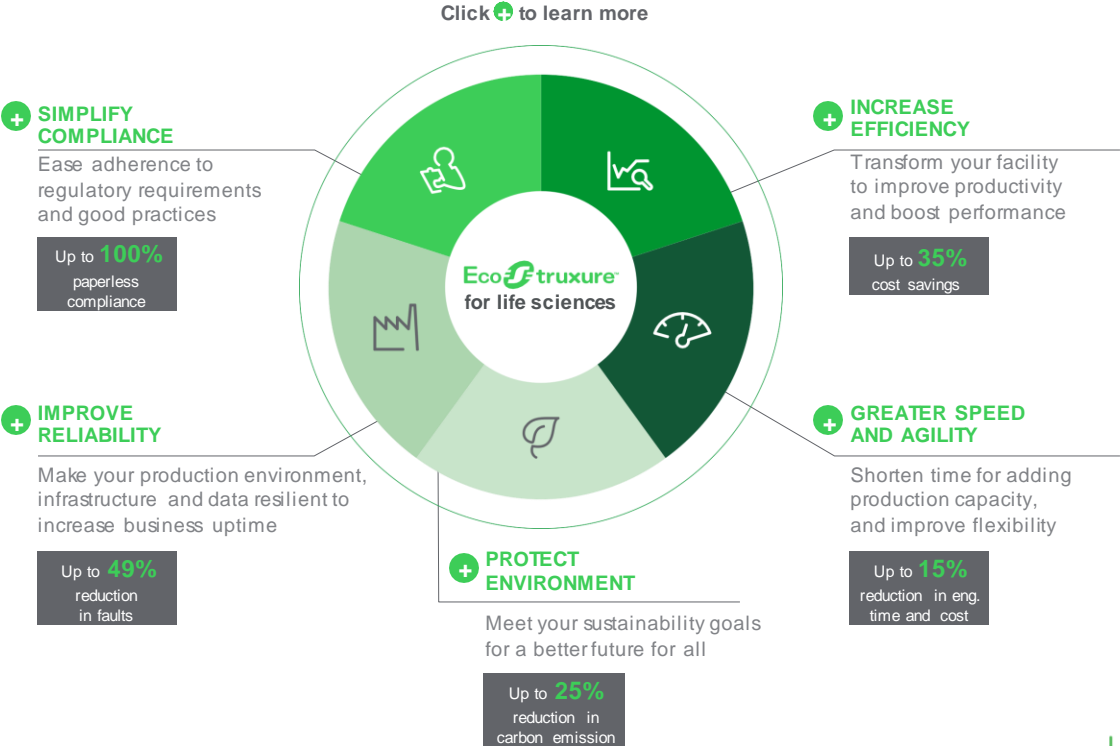
IoT-enabled | Plug-and-play | Open | Interoperable architecture and platform

EcoStruxure™ for Life Sciences



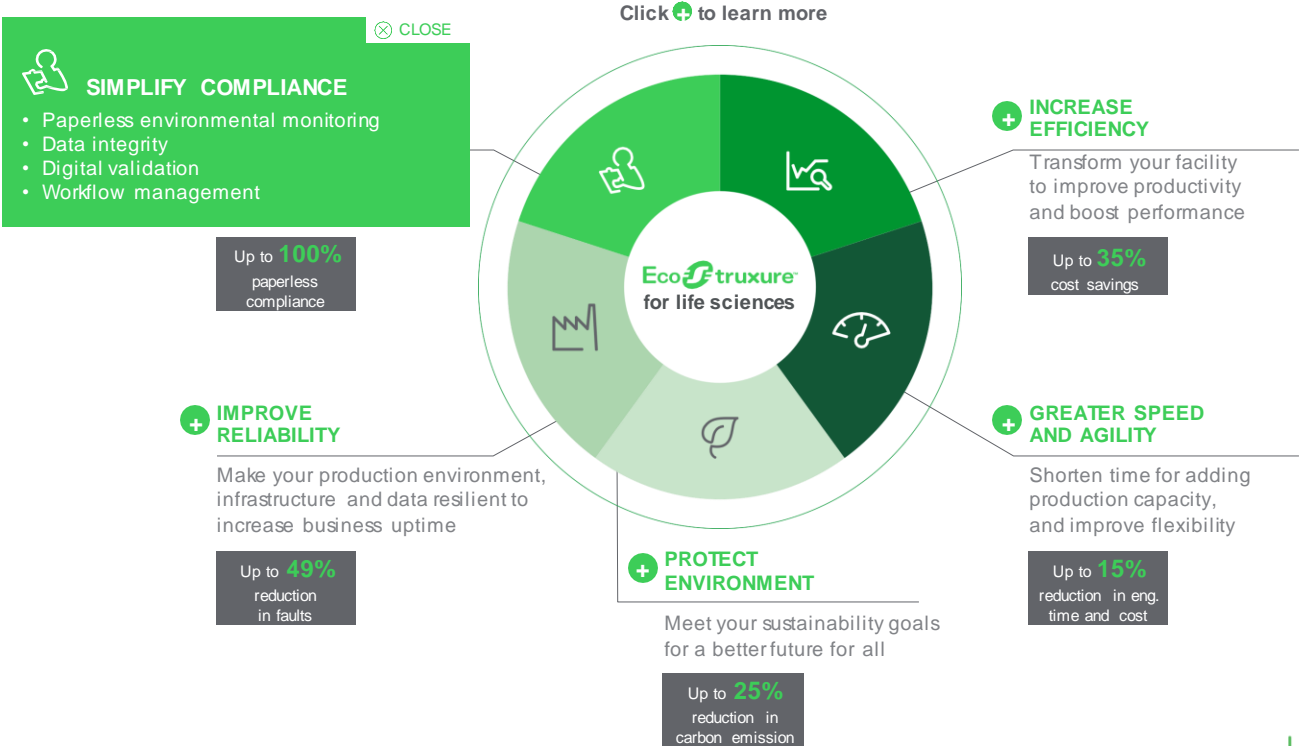
Key benefits with EcoStruxure for Life Sciences

A reliable, efficient, flexible, compliant and sustainable facility for your production



Key benefits with EcoStruxure for Life Sciences

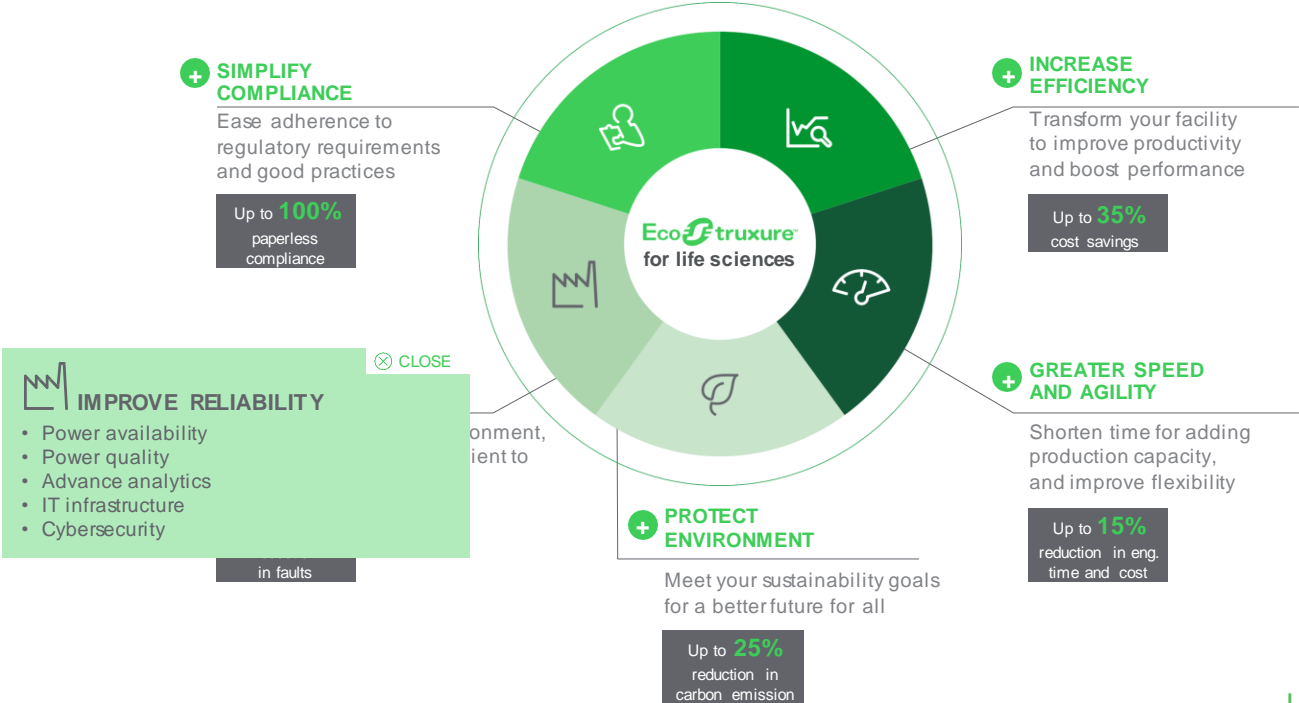
A reliable, efficient, flexible, compliant and sustainable facility for your production



Key benefits with EcoStruxure for Life Sciences

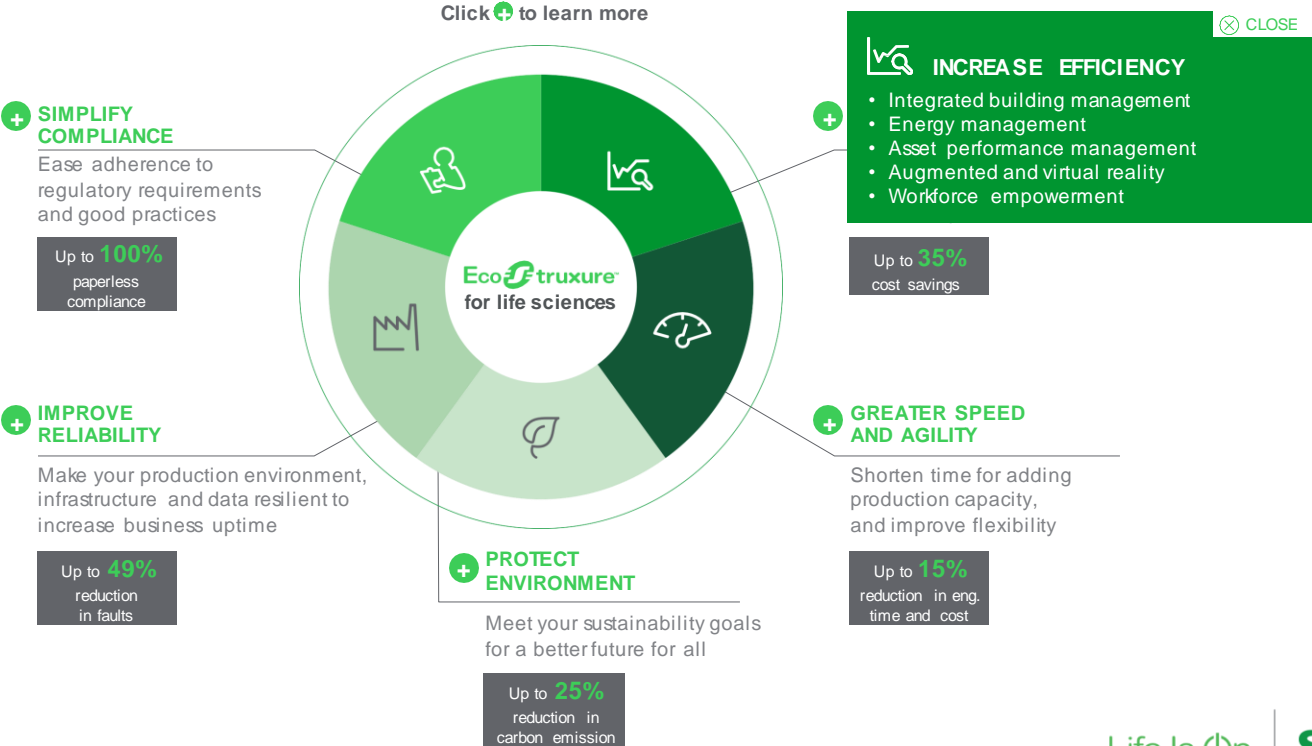
A reliable, efficient, flexible, compliant and sustainable facility for your production

Click  to learn more



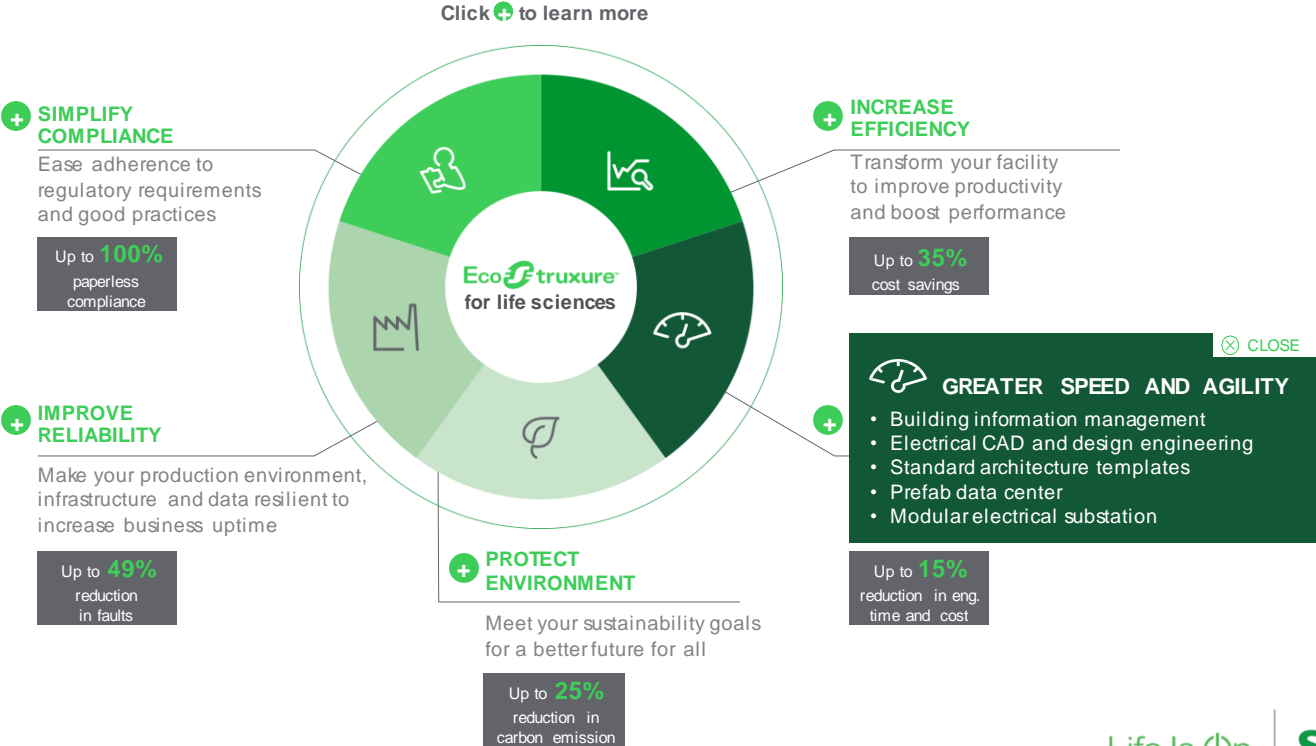
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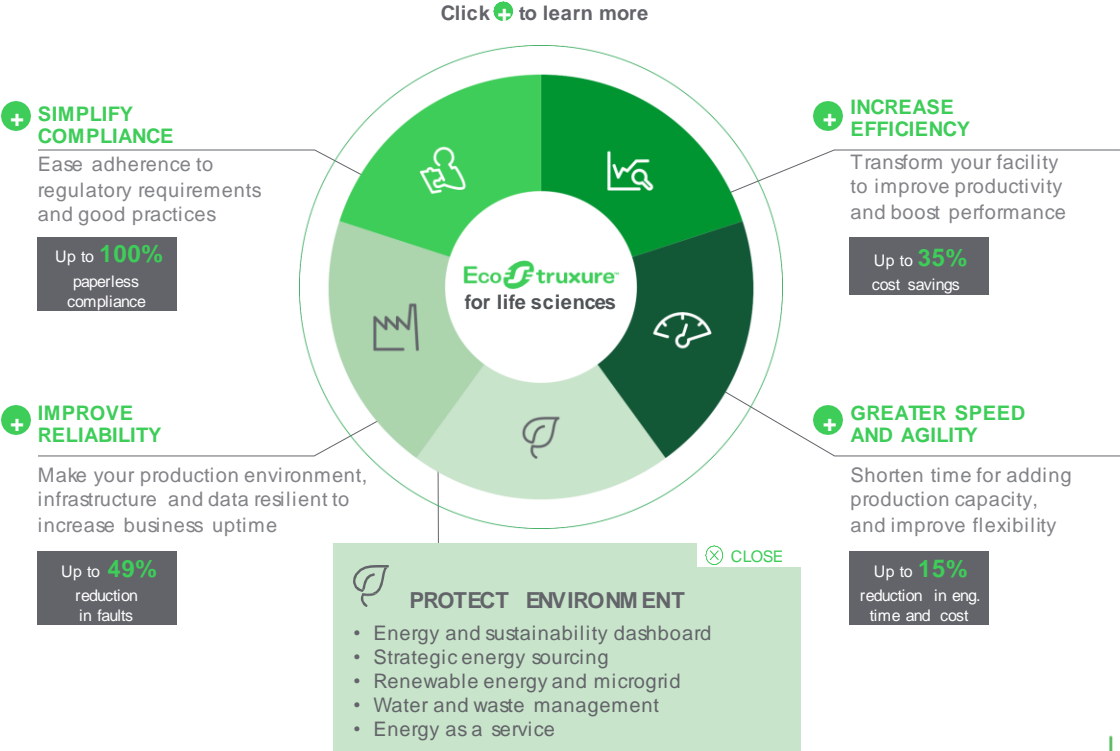
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Case study

Boston Scientific

Boston Scientific achieves operating **PERFORMANCE** with EcoStruxure for life sciences

Boston Scientific is dedicated to ensuring its facilities are running at peak operating performance to minimize energy waste and promote a sustainable culture and environment. Making the data work is an important part of that goal.

Simple solutions for a complex system.



40%

reduction in
avoidable cost
related to faults

51%

reduction in
energy-related
faults

49%

reduction in faults
causing improper
zone conditions

\$33,264

performance
incentive from
the electric utility,
to-date

[Watch the video](#) | [Read the full story](#)

Life Is On



To learn more information about the EcoStruxure™ for Life Sciences visit

se.com/lifesciences