

# Electric and Digital is the recipe for a more sustainable and resilient world

# **Electric**

Makes energy Green





Electricity is the most efficient energy and the best vector of decarbonization



Digital makes the invisible visible, eliminating waste and driving efficiency



# The New Energy Landscape

## **Historical Energy Value** Chain







Energy

Customer



or

or



Fuel based standalone generation

VS.

## The New Value Chain



Generation

Centralized Generation



**Transmission** 



Distribution



Prosumer

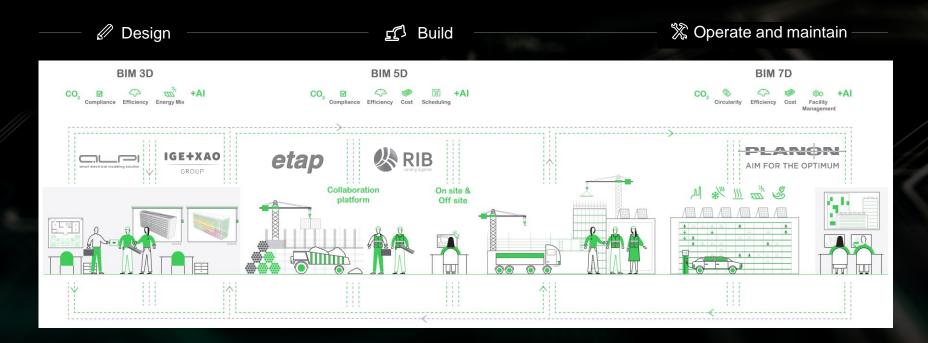


Off grid microgrid with new clean generation

Life Is On



# Optimizing infrastructure to deliver unprecedented efficiency from end to end





# There's great potential decarbonize buildings (and communities)

## Potential for Distributed Generation:

1,750TWh potential today, 2.5x by 2050 (>40% of total current electricity demand, across all sectors)

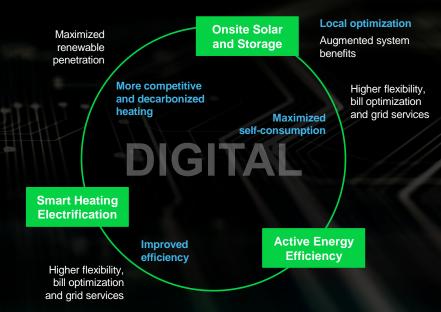
## Potential for electrification:

~30% of natural gas supply

#### Potential for Energy Efficiency:

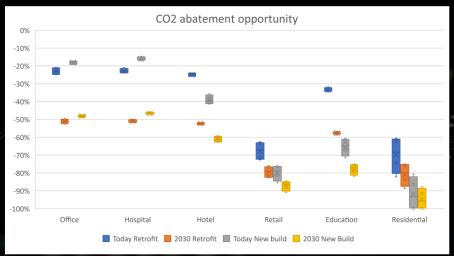
Service buildings ~250kWh/m2/y Residential buildings ~120kWh/m2/y

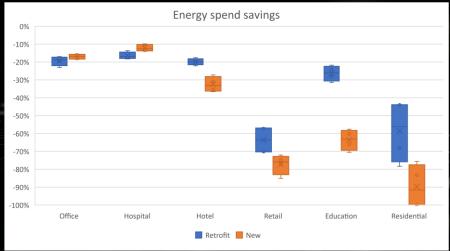






# **Decarbonization** is good for the environment and your budget





Clean electrification main route to zero-carbon

A diverse perspective on energy spend savings across the stock



# **Get your grades with Al**

Station A brings cutting-edge technology and a simple grading system to drive your decarbonization decisions.



# Station A's engine uses Al to analyze your buildings and find your top clean energy savers

We collect and synthesize geospatial, environmental, and financial data for your buildings automatically, so you don't have to. Get a full portfolio analysis with just a list of addresses and leave the data scavenger hunt to us.





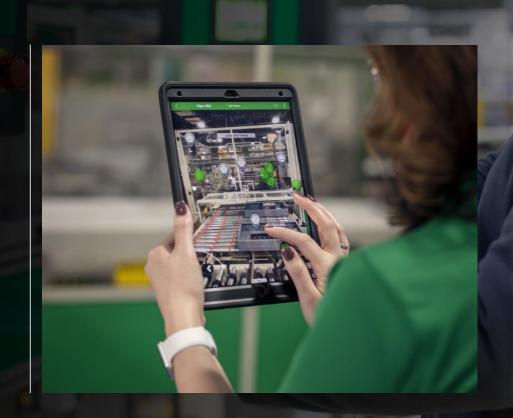
# Lexington, KY: Seeing ROI on digital, electric solutions

62-year-old manufacturing plant — recognized as one of the world's most advanced factories by the World Economic Forum

**26%** energy reduction

**20%** reduction in mean time to repair

<6 months ROI





# **Brookville Bus Depot**

Montgomery County, Maryland



Sustainable, efficient, reliable bus charging via microgrids

**62%** fewer CO<sub>2</sub> emissions

Phoenix Wastewater Reclamation Facility Phoenix, Arizona

Modernized and digitized wastewater treatment equipment

**1.7M** customers with improved service

Port of Long Beach Long Beach, California Energy security and zero emissions via microgrids and battery storage 0% resilient energy Life Is On

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# Partnerships of the future

It is our collective duty to massively deploy Electricity 4.0

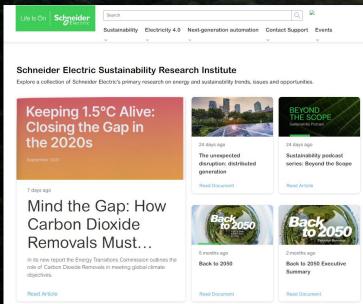
as the fastest route to a zero-carbon future





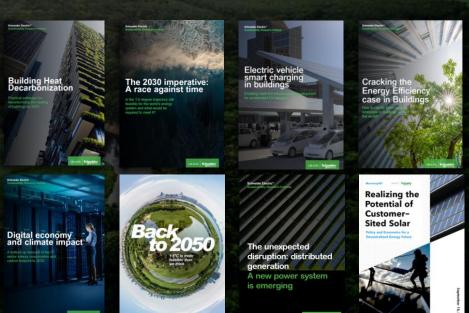
# Schneider Electric Sustainability Research Institute

A research center focused on consumer side energy and sustainability transformations









Few examples...

