

TH Innovation Summit 2023

## Transitioning to Green Energy



**Akanksha Sharma**  
Segment Lead – Power & Grid  
Schneider Electric

Life Is On

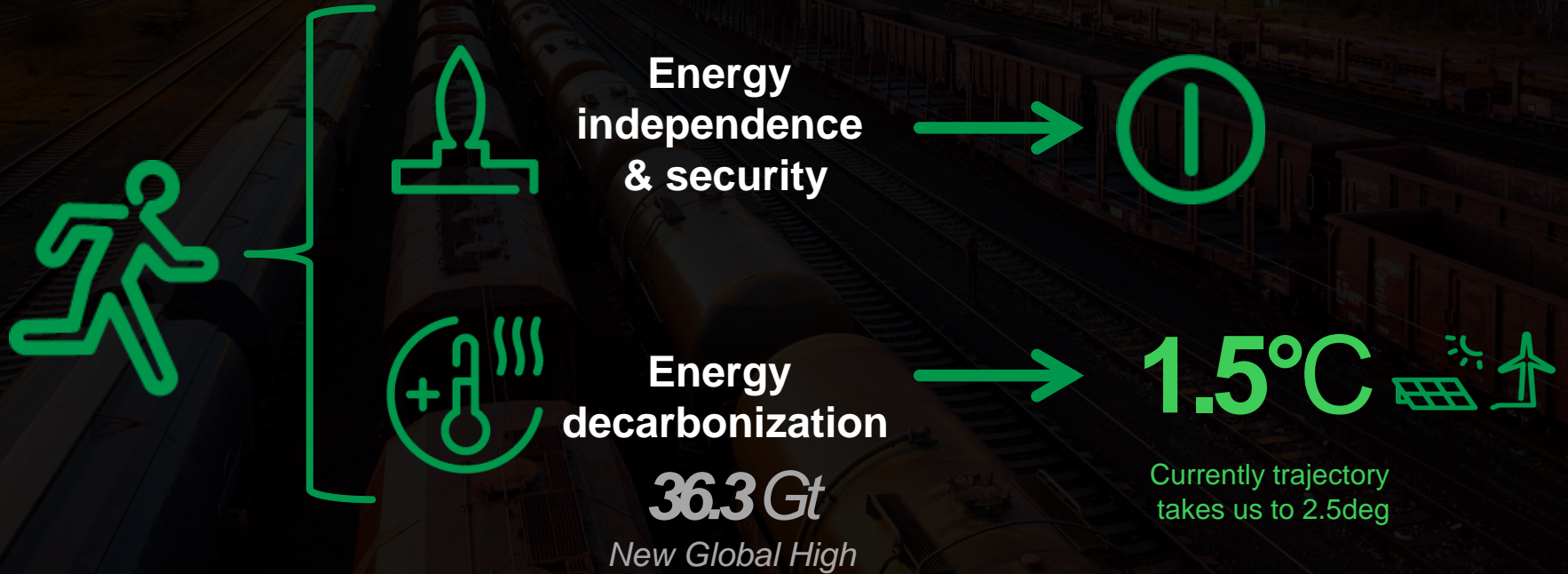
**Schneider**  
Electric



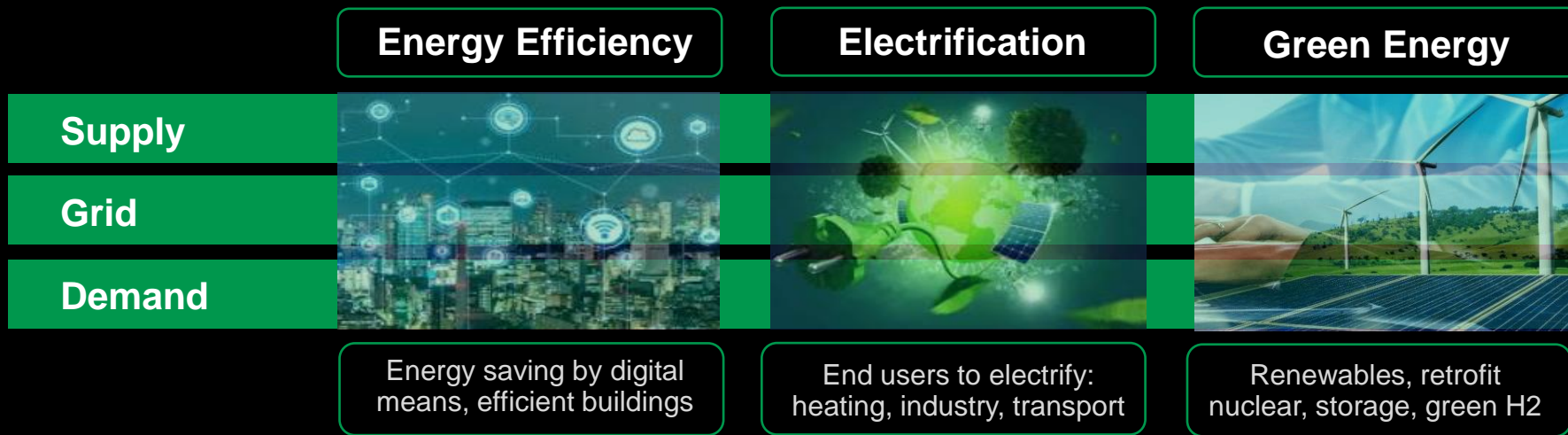
# The Race to Net Zero



Today's energy investments need to address both the short and long-term energy challenges, not one or the other



# We see 3 fundamental approaches to overcome short- and long-term energy challenges across the ecosystem



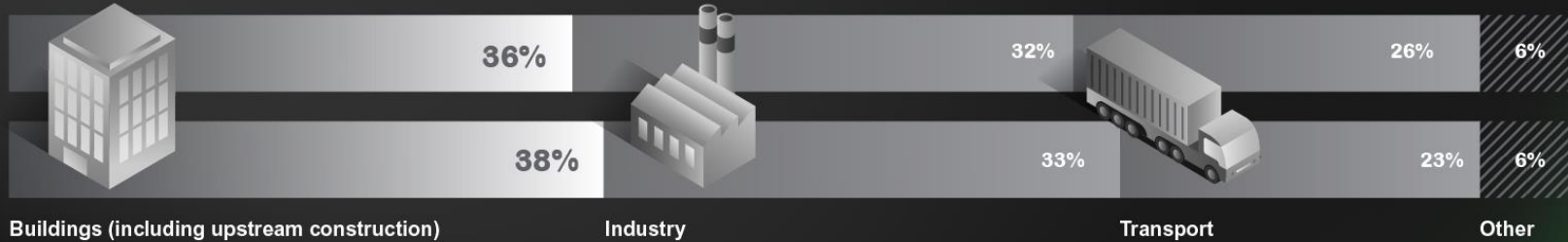
Life Is On

**Schneider**  
Electric

# On the demand side, prosumers can act now for the short and long term

Share of global energy use

Share of global CO<sub>2</sub> emissions



Take an example from buildings:

A diagram illustrating the potential for energy demand reduction in buildings. It features three icons: a solar panel with a sun icon for Microgrid, a speedometer for Efficiency, and a light bulb for Electrification. These are combined with plus signs and an equals sign to show the resulting impact on energy demand. The text indicates a reduction from -30% to -50% in energy demand (kWh/M<sup>2</sup>/yr), which is equivalent to dividing the current demand by 2 to 3.

$$\text{Microgrid} + \text{Efficiency} + \text{Electrification} = \text{from } -30\% \text{ to } -50\% \text{ energy demand } \text{kWh/M}^2/\text{yr}$$

$\div 2$  to  $\div 3$



# On the Supply Side, Investment in Renewables is Key

Comment | September 28, 2022

## Renewables key for Thailand to overcome dependency on fossil fuel imports



GlobalData Energy

Depleting natural gas reserves are major challenges for Thailand.

## Energy Crisis Prompts Thailand to Accelerate Shift to Renewables

- Government awarded largest renewables purchase ever last month
- Wind and solar gain favor to curb dependence on overseas fuel

By [Patpicha Tanakasempipat](#) and [S](#)  
May 4, 2023 at 8:00 AM GMT+10

## Inconsistent Government Policies Drive Frustrated Apac Corporate Leaders to Call for Clean Energy Coalitions

🕒 13 Jun 2023 by [PRESS RELEASE](#)



Life Is On

**Schneider**  
Electric

# Grid Operators are the conductors of the symphony



**Regulators enable flexibility,  
grids orchestrate flexibility**

# Transitioning to Green Energy



**Dr. Phairot  
PHANUKAN**

Senior Vice President,  
Innovation & Operating  
Maintenance  
Gunkul Engineering Public  
Company Limited



**Dr. Nipon KETJOY**

Director  
Sgtech



**Akanksha SHARMA**

Segment Director - Power & Grid  
Schneider Electric  
[MODERATOR]





© 2022 Schneider Electric. All Rights Reserved. Schneider Electric and Life Is On Schneider Electric are trademarks and the property of Schneider Electric, its subsidiaries, and affiliated companies.