

TH Innovation Summit 2023

## Transitioning to Green Energy



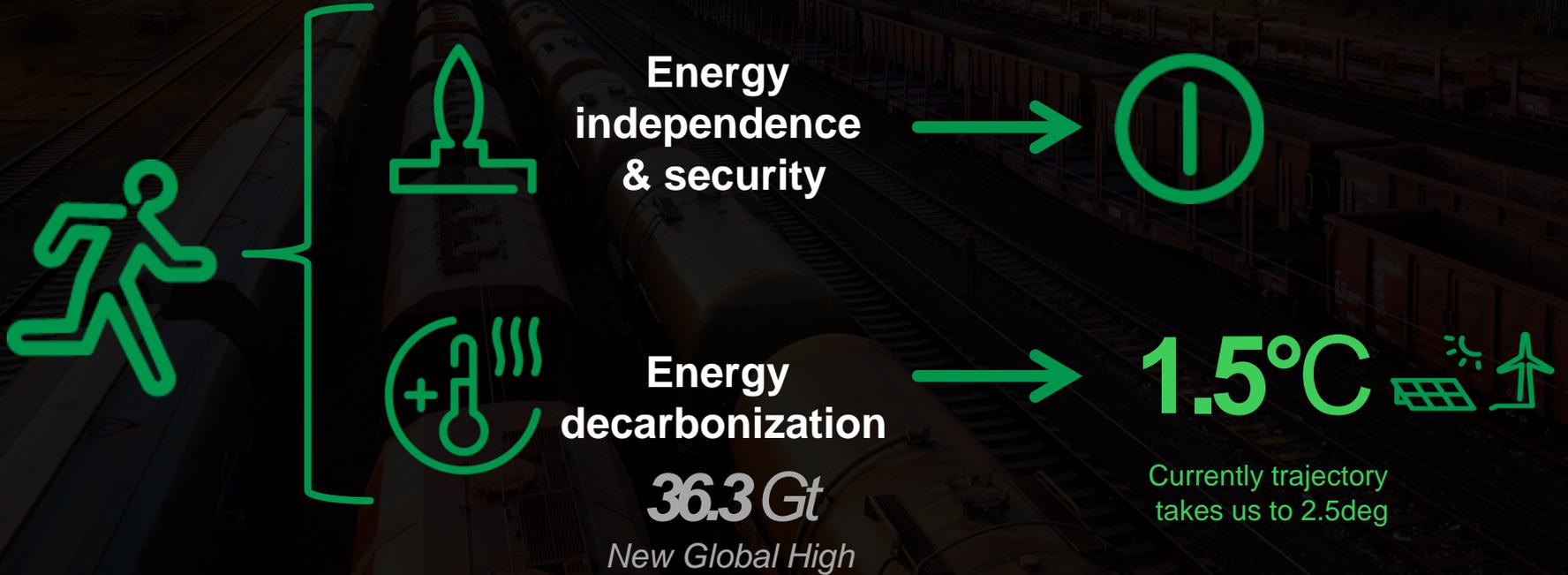
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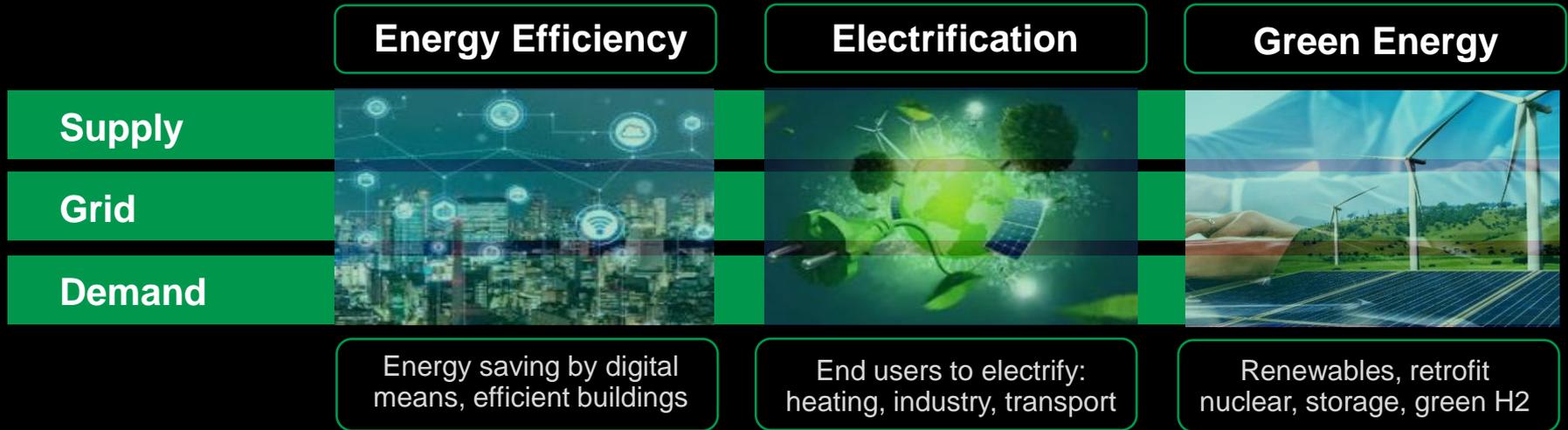
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# The Race to Net Zero

# 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



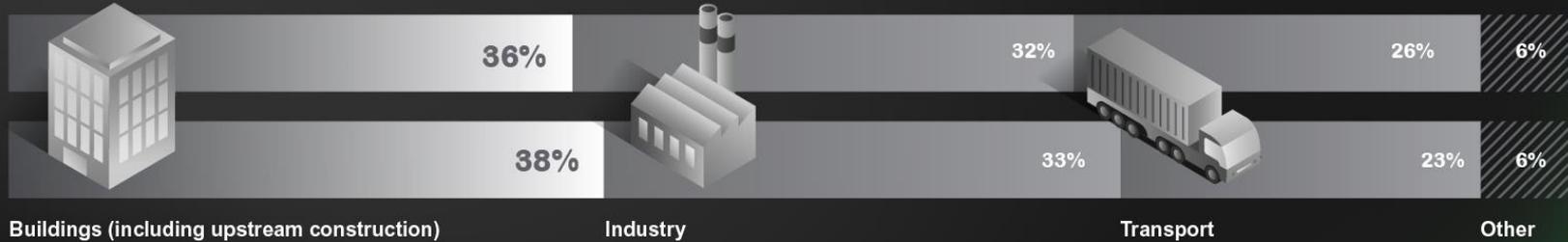
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# On the demand side, prosumers can act now for the short and long term

Share of global energy use

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



Take an example from buildings:



Microgrid



Efficiency



Electrification



from **-30%** to **-50%**  
energy demand kWh/M<sup>2</sup>/yr

÷ **2** to ÷ **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 among the 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](#)



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# Grid Operators are the conductors of the symphony



**Regulators enable flexibility,  
grids orchestrate flexibility**

# Transitioning to Green Energy



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