

# Sessione pitch: spazio alle idee

# ARUP

## Total Design Approach

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Arup



## Horizon Europe e il bando orizzontale **Clean Industrial Deal**

11 DICEMBRE 2025



ARUP

# Arup



- Type of company/organisation: **private**
- Contact Details  
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- Topic of interest: **decarbonisation**
- Keywords: **decarbonisation, energy efficiency, electrification, ROI, waste heat reuse, urban energy, energy resilience, total design**

# Arup worldwide

**£2.16bn**

turnover FY24/25

**75 years**

of profitable  
trading debt free

**18,000+ staff**

working on local, national  
and international projects

**100 offices**

in 34 countries

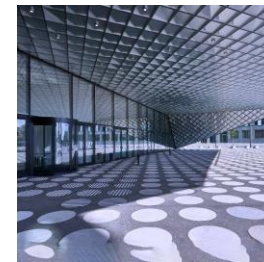
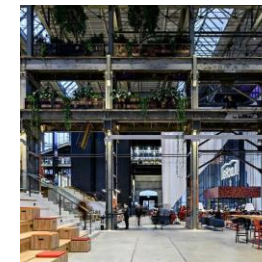
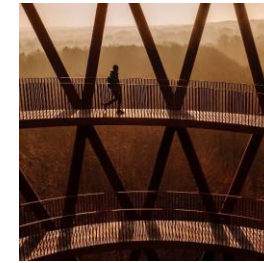
**136 Countries**

Number of countries we  
delivered projects in



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# Arup in Europe





# Arup in Italy



**€27.9m**

Turnover (*FY 2024-25*)

**600+**

Projects

**20+ yrs**

of permanent establishment in Country

**200+**

Multidisciplinary professionals



# Our Expertise



Advisory



Buildings



Digital



Planning



Technical  
Consulting



Infrastructure



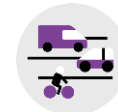
Science, Industry  
& Technology



Energy



Water



Transport



Arts & Culture



Education



Cities



Healthcare



Resources  
& Waste



Property



Sport

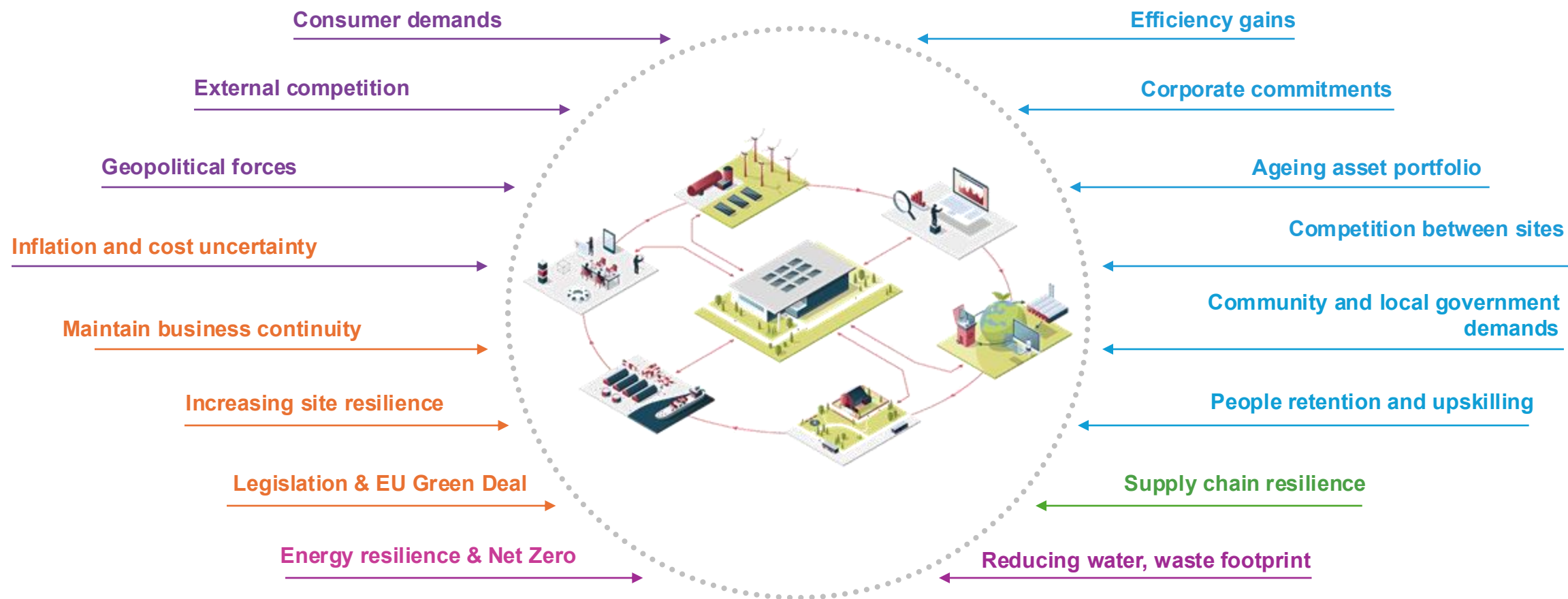


Government

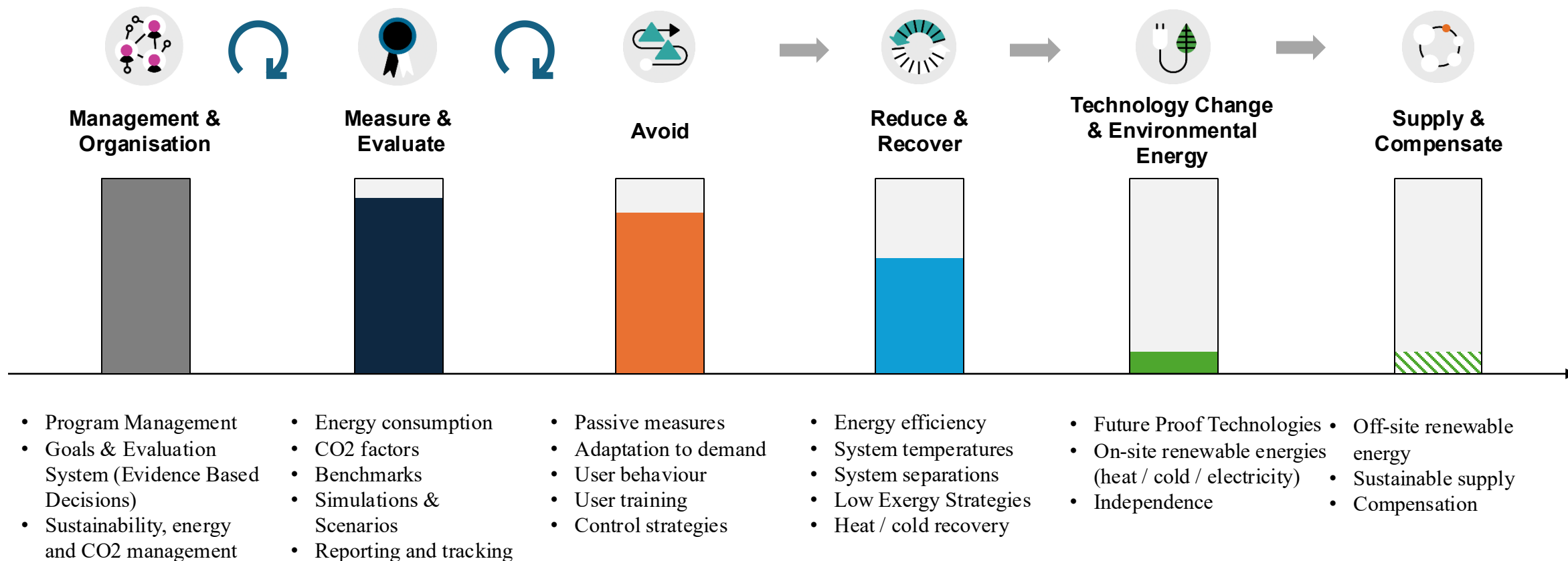


# Industry facing multiple parallel challenges

● Sustainability ● Net Zero Carbon & Reduced Environmental Footprint ● Efficiency, Monitoring & Management ● Community & Planetary Boundaries ● Supply Chain ● Digital



# Our Approach - Decarbonisation Waterfall





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Global Biotech company

# Decarbonisation Program Scope 1, 2, 3

Arup carried out a company-wide greenhouse gas assessment aligned with customer and logistics sector goals, applying methods such as the GHG Protocol, CRREM and SBTi. We calculated Scope 1–3 emissions, identified reduction opportunities and measures to meet the SBTi target, and developed a decarbonisation schedule.





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Inditex Group, Europe/Africa/Asia

# Global Decarbonisation Strategy & Action Plan

Arup supported Inditex by providing energy consulting and technical assistance to its textile suppliers, analysing energy consumption and CO<sub>2</sub> emissions.

Arup developed customised decarbonisation roadmaps, including on site visits, considering the best available technologies, the switch from fossil fuels, the electrification of production processes and the integration of renewable sources in production facilities.



**ARUP****Multi-national Pharmaceutical Company**

# Decarbonisation Guideline

Arup created the sustainability guideline to achieve climate neutrality as far as possible, defined by standards and assessment methods established in Germany. Results: Total GHG Reduction 76% & Final Energy Reduction 51%.



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## Pharmaceutical Storage Facility

# Energy Resilience Strategy & Electrical Upgrade and Extension

Arup successfully coordinated the renewal and upgrade of the electrical systems, along with the installation of a cold cell into the existing building.

In parallel to that, we assessed the energy and process systems and recommended short and long-term measures to ensure energy supply resilience, as well as decarbonisation.





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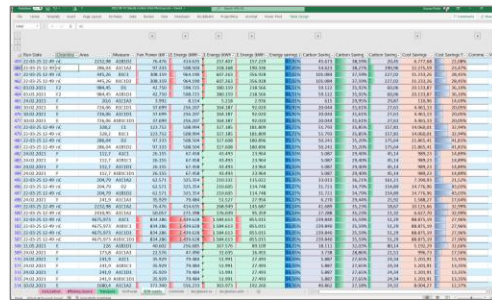
Equinix

# Trusted Partnership to deliver Global Data Centre Solutions

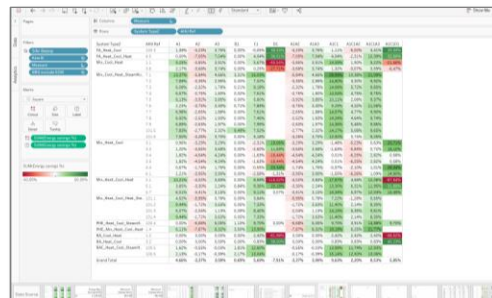
For over 19 years, Arup has partnered with Equinix to deliver projects across Europe and beyond, including the UK, Spain, France, Germany, Switzerland, the UAE, Australia, the US and Canada. From large-scale new builds to complex upgrades in live environments, we leverage our regional and international expertise to support Equinix's global interconnection platform and ensure seamless project delivery.

# From Data to Insights

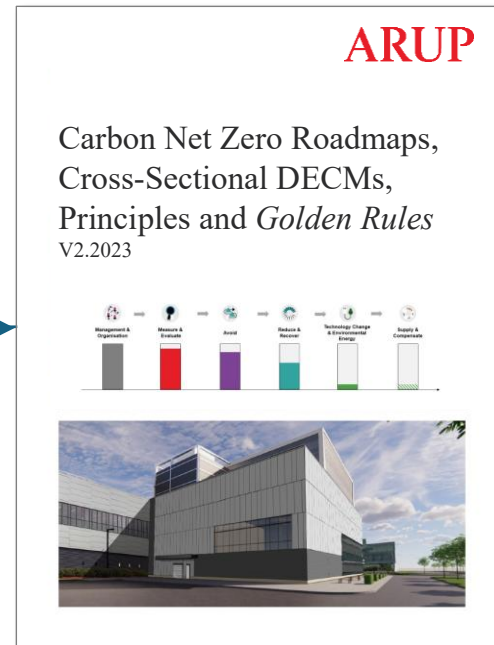
Utilise audit data to compare against benchmark and visualise findings & recommended measures



Raw data from analyses

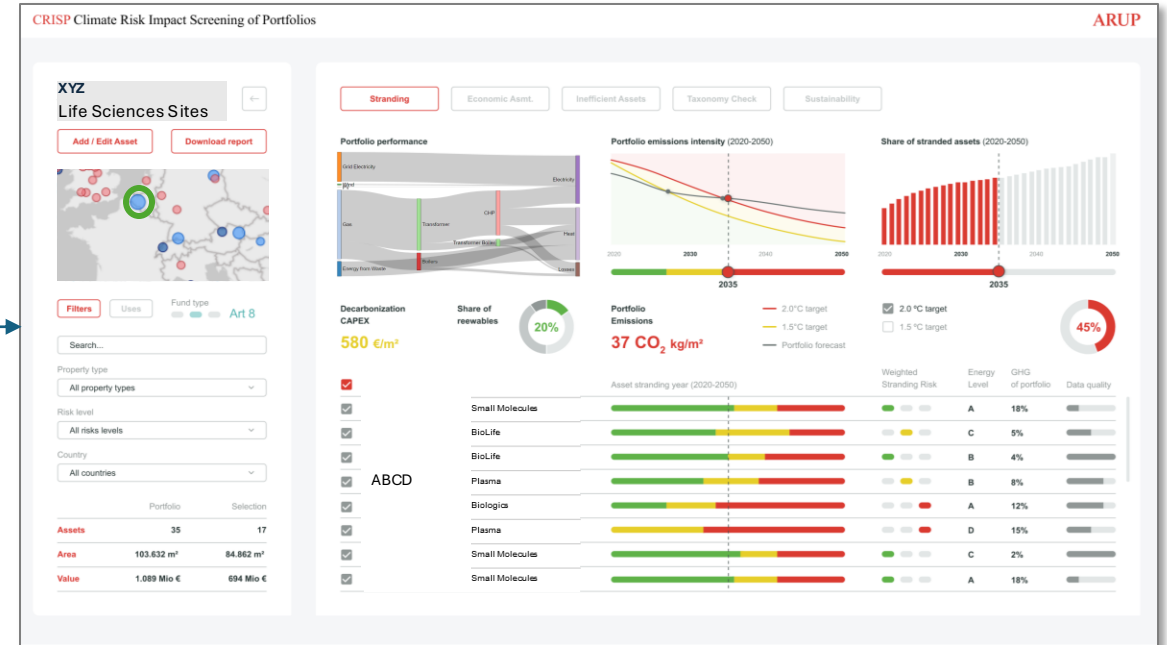


Energy efficiency measures matrix



## Decarbonisation & Energy Audit Reports

Guiding Principles and Site-specific roadmaps and insights



## Dashboards

Added value through data insights: energy usage, utility analytics, energy efficiency measures

# Conclusion

- Arup is interested to the Clean Industrial Deal, as it is aligned to our targets of ethical and sustainable development
- We are focusing on energy and industry sectors, including hard to abate sectors, datacentre, waste heat recovery, industrial districts synergies, industrial urban energy
- Arup is used to work on European Calls with our network of European offices. We have experience on various calls (e.g. EIB, Horizon) Arup is open to partnership and agreements, according to each opportunity evaluation

Horizon Europe e il bando orizzontale  
**Clean Industrial Deal**