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Inspire the Next

 **Hitachi Energy**



The energy transition is driving the need of more transformers, some people talk about shortage... In your opinion, what should the industry do?

① Start presenting to display the poll results on this slide.





**Transformers
investments,
technology, people**

**Pressure testing the
whole value chain**





Safer transformers enhancing safety for people

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**Before
TXpand**

**21.5MJ
Arc Test**





Safer transformers enhancing safety for people

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**With
TXpand**

**21.5MJ
Arc Test**





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TRANSFORMERS MAGAZINE'S
INDUSTRY NAVIGATOR

**INVESTMENTS, ARTIFICIAL INTELLIGENCE
AND SUSTAINABILITY**
CONFERENCE 2024

Scaling the Transformers value chain into new heights Investments, Technology, People



Miguel Oliva

Global Portfolio and Marketing
Transformers Business
Hitachi Energy

Madrid, 13 June 2024





Electrification is driving the energy transition

 Hitachi Energy

**Electricity will
be the backbone
of the energy
system**

Today

~20%

2050

>50%

of total energy
consumption

**Global electricity demand
growth to 2050**



x2 Industries



+50% Buildings

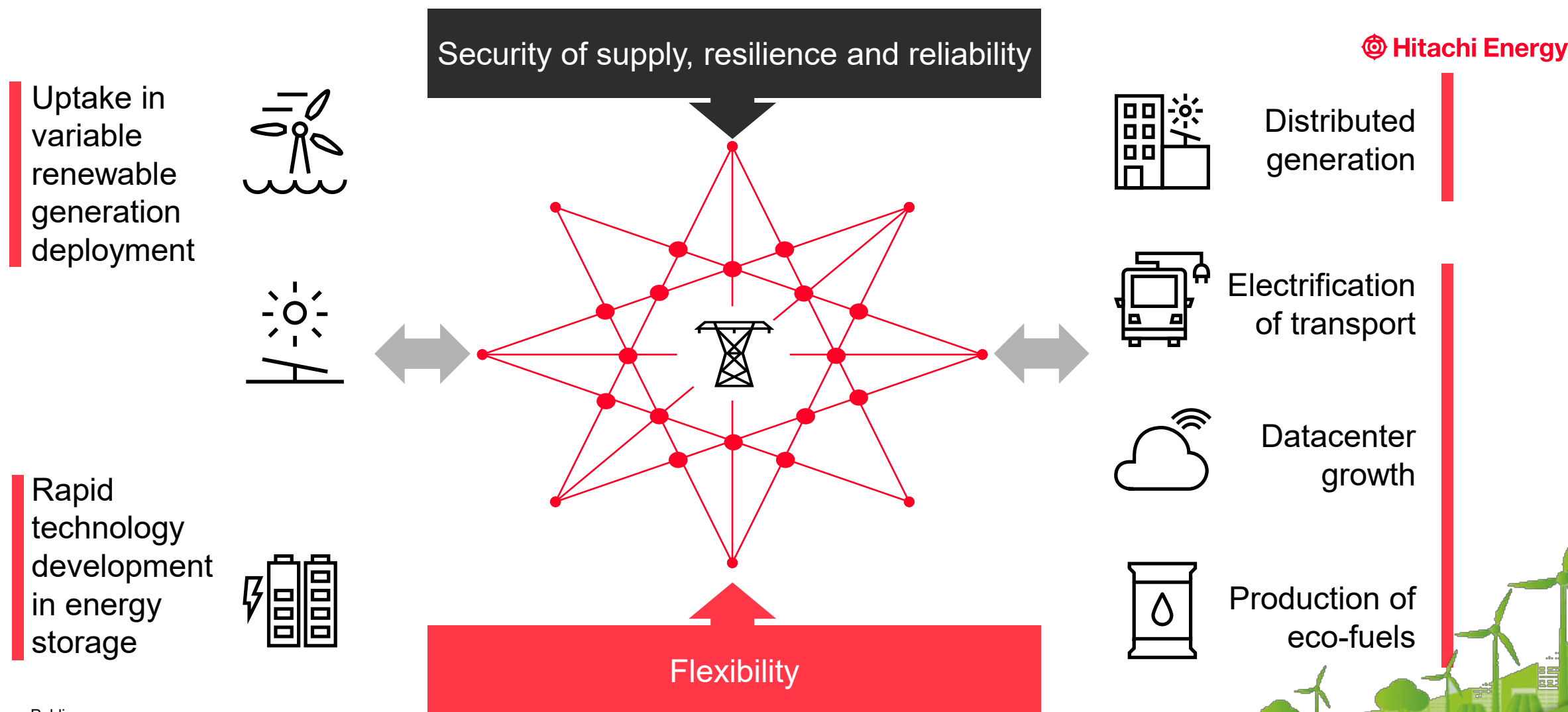


x30 Transportation





A glimpse into system complexity





Electrification: Towards a carbon neutral future

**We need more
transformers to
accelerate the
energy transition**

**...and we are
investing...**





Transformer investments

Pressure testing the whole value chain

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Transformer Investments

Pressure testing the whole value chain

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Transformer Investments

Pressure testing the whole value chain

Market
User needs

What
applications?

People and
much more...

Financials

Certifications
Approvals

Equipment

Real State &
Construction





Investing additional \$4.5 billion by 2027 (total of \$6 billion)

 **Hitachi Energy**

Recent announcements by Hitachi Energy

01

Tripled the order backlog

Order backlog more than tripled

02

Doubling new investments

More than double new investments

- In manufacturing, engineering, digital, R&D and partnerships
- Across all major markets
- 2024 to 2027

03

Multiple Transformer investments globally

- Capacity expansion
- Across all product portfolio, extra R&D investments
- Additional +4,000 people

04

Global Technology Center

- Global Technology and Innovation Center in India
- Increase to more than 4,000 employees
- Serve more than 40 countries





Expanding capacity and workforce

And we will continue investing



\$4.5 billion

Investments

8,000+

People

\$1.5 billion

Additional Transformer Investments
Europe, Americas, Asia

4,000+

Pereira, Colombia



Bad Honnef, Germany



Vaasa, Finland



Ludvika, Sweden



Chongqing, China



Bac Ninh, Vietnam



○ Manufacturing sites approximate location



Global footprint, global capacity, resilient supply chain

60+ factories, 30+ service centers

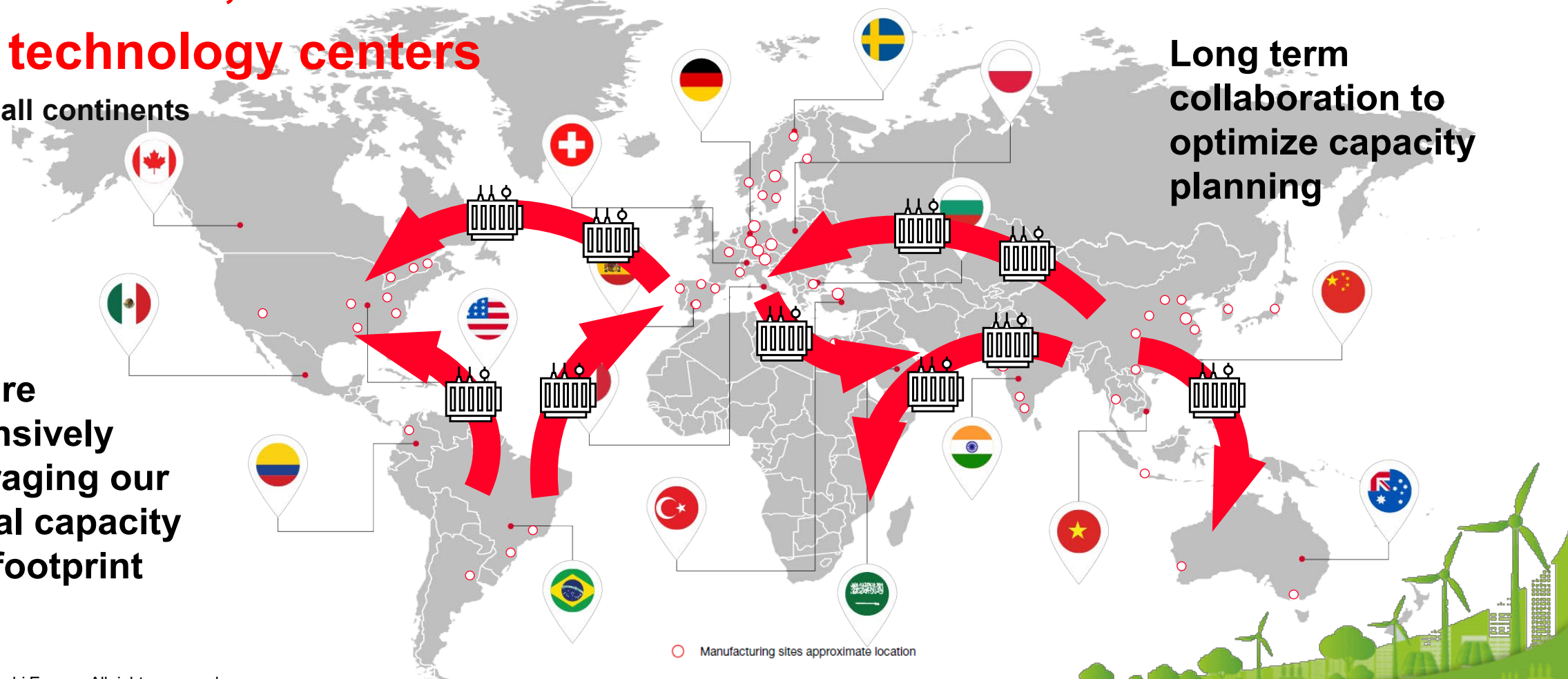
11+ technology centers

across all continents

 **Hitachi Energy**

**Long term
collaboration to
optimize capacity
planning**

**We are
extensively
leveraging our
global capacity
and footprint**





More transformers to accelerate the energy transition



**Leveraging our strengths
and acting for sustainable
growth**

Business models

Long term collaboration to optimize
capacity planning

Investments

Leverage and expand global
manufacturing capacity

Innovation
Portfolio
Technology

Footprint
Execution
Supply Chain

Cocreation
Collaboration
People & Talent



We need more transformers...

 **Hitachi Energy**

Talented and skilled people

Energy transition, clean energy
future

Positive economic and social
impact, families and local
communities





Investing to accelerate the energy transition

**Capacity
expansion &
execution**



**People &
talent**



**Innovation &
partnerships**



Thank you!



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