

# Next stage of growth – From Data Centers to Al Factories

**Ruth Gratzke** 

President and CEO Siemens Industry, Inc. U.S.







We continue to grow faster than the data center market and gain market share



Al Factories are driving a foundational technology shift at scale



We are best positioned to capitalize on the Al revolution

# Siemens is well-positioned for strong top line growth in data centers at the dawn of the AI industrial revolution

#### **Customer-centricity**

- Strong relationship with all hyperscalers and co-locators
- Partnership with GPU manufacturer to shape Al Factories
- 8 regional centers of competence and data center hubs

#### **Capacity expansion**

- \$285m investment in U.S. capacity
- €100m investment in switchgear factory in Germany
- Additional investment planned

~40%

YoY revenue growth FY25

~3x

revenue from FY22-25

#### **Technology fabric and portfolio**

- Market leading electrification, industrial software and automation
- Sustainability, resiliency and efficiency core to our portfolio
- Mix of own investment and partnerships

#### **Supply chain**

- End-to-end supply chain capacity for power distribution
- Reliable delivery performance
- Competitive lead times

+7Pp
market share gain
FY22-24



# Al Factories represent a fast-growing, incremental market opportunity

Planned gigawatt capacity for Al infrastructure significantly outpacing cloud

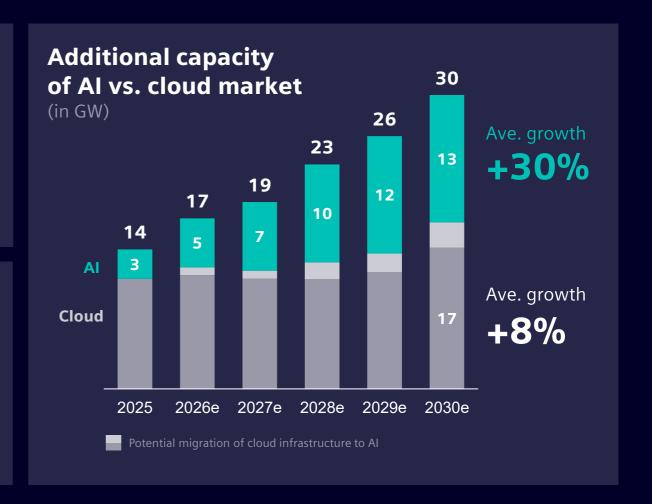
# 4x vs. cloud

Al share of market is expected to rapidly increase

By 2030, **70% of data center capacity demand** will be for
facilities capable of
handling Al workloads

Technological shifts creating **opportunities** to bring further Siemens technology to the market

Opportunity for differentiation specifically in digital, electrification and automation



Note - Internal Siemens research inc. reference to external sources: IEA, McKinsey, Omdia, BNP Paribas, SVM DC Vertical

# Al Factories create additional opportunities for strong growth

Leveraging our end-to-end portfolio to expand our data center business



#### **Digital and Software**

Enabling efficient Al Factory design and agile operation including lifecycle data management and simulation



#### **Automation and Buildings**

Significant opportunity for broader automation deployment (building and industrial)



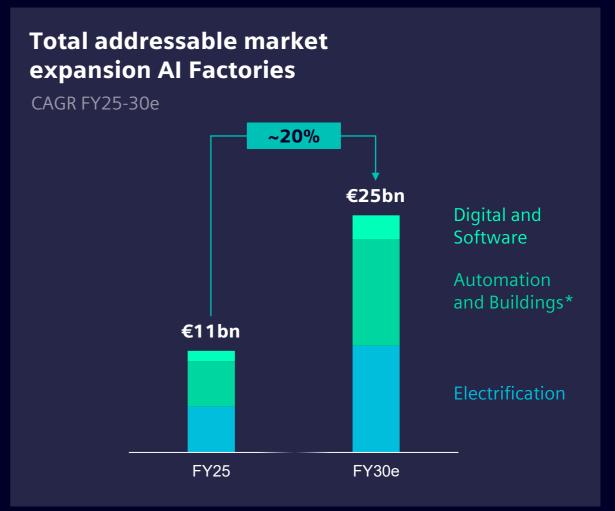
#### **Electrification**

Biggest opportunity, design and feature shifts are being worked on (AC to DC, Solid State Technology)



#### Services and other\*

Service bundles with hardware as additional opportunity to increase recurring revenues



Note - This addressable market potential depends highly on the development of new technologies that currently just exist in pilot not at scale \*Automation and Buildings is inclusive of Services and other

#### **Al Factories**

Al computing and modeling are driving foundational technology shifts



MW to GW

**Increase in scale** 

10x to 40x

**Increase in density** 

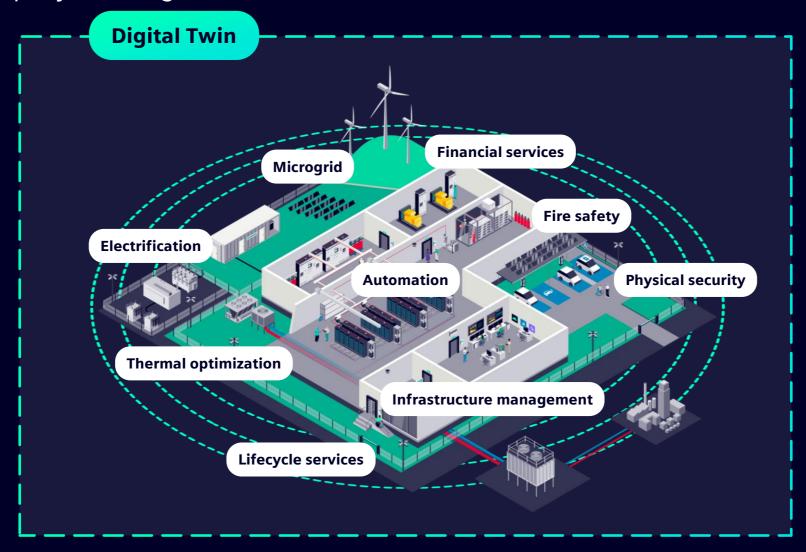
Years to months
Innovation cycles

Air to liquid



# Al Factories: Market-leading end-to-end portfolio

Addressing the rapidly evolving needs of advanced AI infrastructure



# Al Factories: Digital Twin from chip to grid

Accelerate design and build, enable agile and efficient operations

# Digital Twin technologies applied to Al Factories



Real-time visualization of executable Digital Twin



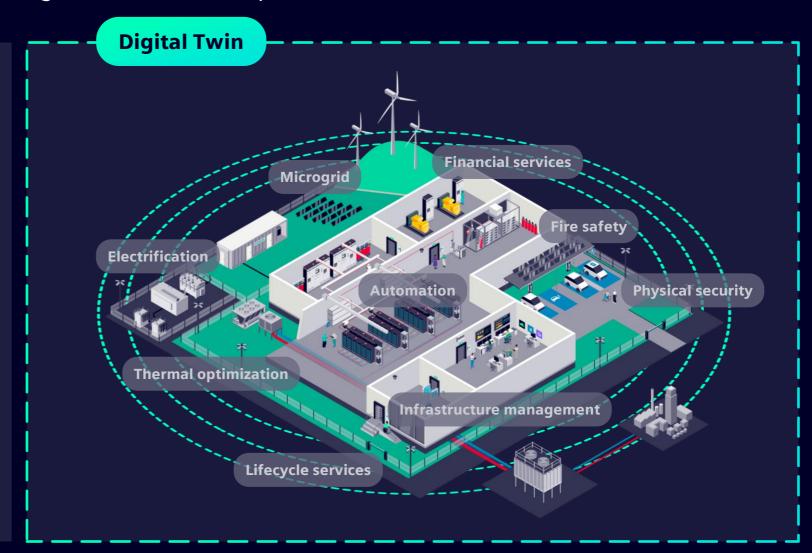
Comprehensive thermal management simulations



Common data fabric



Digital power twin



#### **AI Factories: Automation**

Connect compute, power, and cooling data sets to achieve optimal system performance

# **Superior multi-discipline system performance**



Market-leading portfolio in industrial and building automation



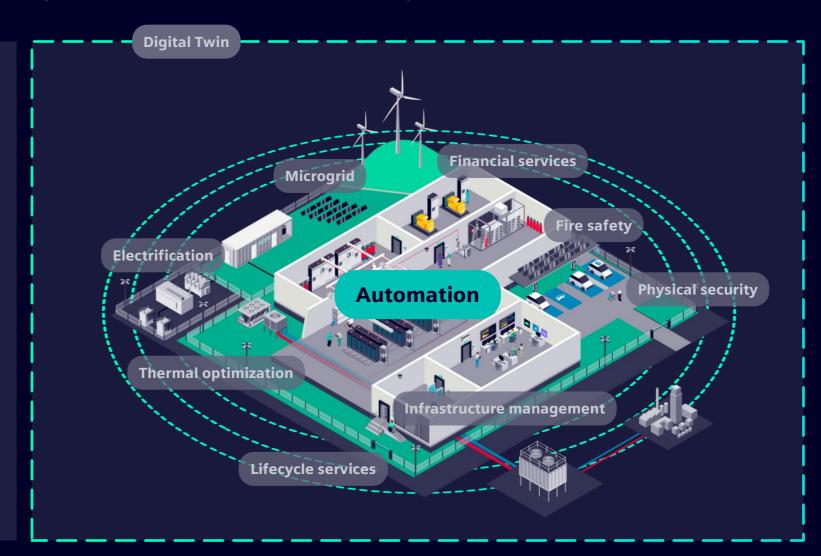
Increasing importance of PLCs to meet performance requirements and highest level of availability



Simulation and modeling for higher efficiency system performance



Enhanced power metering and monitoring for complex Al workloads



#### **Al Factories: Electrification**

Manage extreme power requirements and grid connections safely and reliably

# **Getting future-ready with** investments in our **Al Factories portfolio**



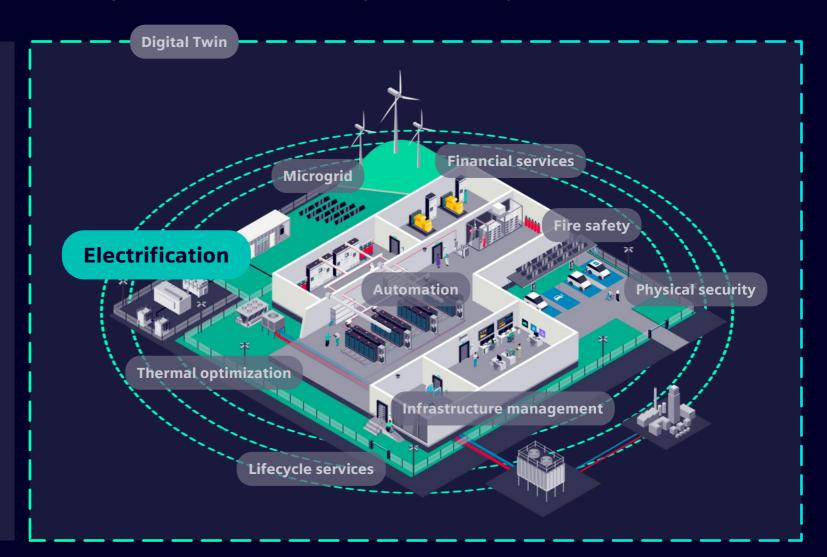
Direct current technology



Solid state technology



Grid connect



## **Al Factories: Ecosystem**

Maximizing customer value, delivering solutions at speed and scale

# We collaborate with major market players, including:



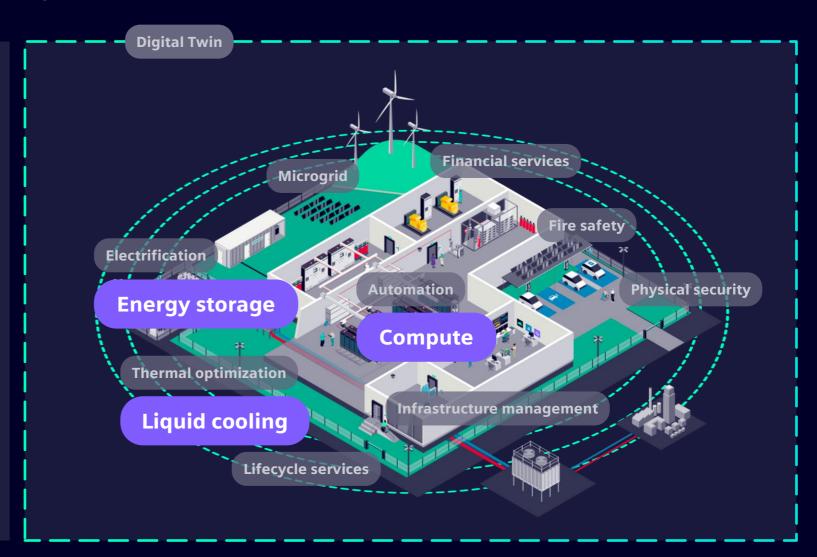
Liquid cooling



**UPS** and energy storage



AI workload infrastructure







We continue to grow faster than the data center market and gain market share



Al Factories are driving a foundational technology shift at scale



We are best positioned to capitalize on the Al revolution

# **Safe harbor statement** Important notice

THE FOLLOWING APPLIES TO THIS DOCUMENT, THE ORAL PRESENTATION, VIDEO OR SIMILAR MEDIA OF THE INFORMATION OF THIS DOCUMENT BY SIEMENS AKTIENGESELLSCHAFT ("SIEMENS") OR ANY PERSON ON BEHALF OF SIEMENS, AND ANY QUESTION-AND-ANSWER SESSION THAT FOLLOWS THE ORAL PRESENTATION, IF ANY, HARD COPIES OF THE SLIDES AS WELL AS ANY OTHER MATERIALS DISTRIBUTED AT OR IN CONNECTION WITH THE PRESENTATION.

THIS DOCUMENT AND ANY RELATED MATERIALS MAY ONLY BE DISTRIBUTED TO PERSONS TO WHOM IT IS LAWFUL TO SEND THIS DOCUMENT AND SUCH RELATED MATERIALS. FAILURE TO COMPLY WITH THESE REQUIREMENTS MAY RESULT IN A VIOLATION OF APPLICABLE LAWS.

This document, any related materials and the information contained herein and/or therein are for information purposes only and do not constitute or form part of, and should not be construed as, a prospectus or other offer document under any applicable laws or an offer or invitation or inducement to purchase, sell or subscribe for, underwrite or otherwise acquire, any securities of Siemens or its affiliates, nor should it or any part of it form the basis of, or be relied on in connection with, any investment decision, contract to purchase or subscribe for any securities of Siemens or its affiliates, nor shall it or any part of it form the basis of, or be relied on in connection with, any contract or commitment whatsoever.

This document and any related materials are not directed to, or intended for distribution to or use by, any person or entity that is a citizen or resident or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use

would be contrary to law or regulation of such jurisdiction or which would require any registration or licensing within such jurisdiction. Any failure to comply with these restrictions may constitute a violation of the laws of other jurisdictions.

No representation or warranty, express or implied, is made as to the fairness, accuracy, completeness or correctness of the information contained herein, and no undue reliance should be placed on it. Neither Siemens nor any of its affiliates, advisers, connected persons or any other person accepts any liability for any loss howsoever arising (in negligence or otherwise), directly or indirectly, from this document or its contents or otherwise arising in connection with this document or any related materials.

This document contains statements related to our future business and financial performance and future events or developments involving Siemens that may constitute forward-looking statements. These statements may be identified by words such as "expect," "look forward to," "anticipate," "intend," "plan," "believe," "seek," "estimate," "will," "project" or words of similar meaning. We may also make forward-looking statements in other reports, in prospectuses, in presentations, in material delivered to shareholders and in press releases. In addition, our representatives may from time to time make oral forward-looking statements. Such statements are based on the current expectations and certain assumptions of Siemens' management, of which many are beyond Siemens' control. These are subject to a number of risks, uncertainties and factors, including, but not limited to those described in disclosures, in particular in the chapter Report on expected developments and associated material opportunities and risks in the Combined Management Report of the Siemens Report (siemens.com/siemensreport), and in the Interim Group Management Report of the Half-year Financial Report

(provided that it is already available for the current reporting year), which should be read in conjunction with the Combined Management Report. Should one or more of these risks or uncertainties materialize, should decrees, decisions, assessments or requirements of regulatory or governmental authorities deviate from our expectations, should events of force majeure, such as pandemics, unrest or acts of war, occur or should underlying expectations including future events occur at a later date or not at all or assumptions prove incorrect, actual results, performance or achievements of Siemens may (negatively or positively) vary materially from those described explicitly or implicitly in the relevant forward-looking statement. Siemens neither intends, nor assumes any obligation, to update or revise these forward-looking statements in light of developments which differ from those anticipated.

This document includes – in the applicable financial reporting framework not clearly defined – supplemental financial measures that are or may be alternative performance measures (non-GAAP-measures). These supplemental financial measures should not be viewed in isolation or as alternatives to measures of Siemens' net assets and financial positions or results of operations as presented in accordance with the applicable financial reporting framework in its Consolidated Financial Statements. Other companies that report or describe similarly titled alternative performance measures may calculate them differently.

Due to rounding, numbers presented throughout this and other documents may not add up precisely to the totals provided and percentages may not precisely reflect the absolute figures.

All information is preliminary.

