

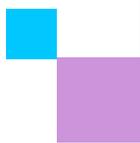
# Intel in Ireland



intel®

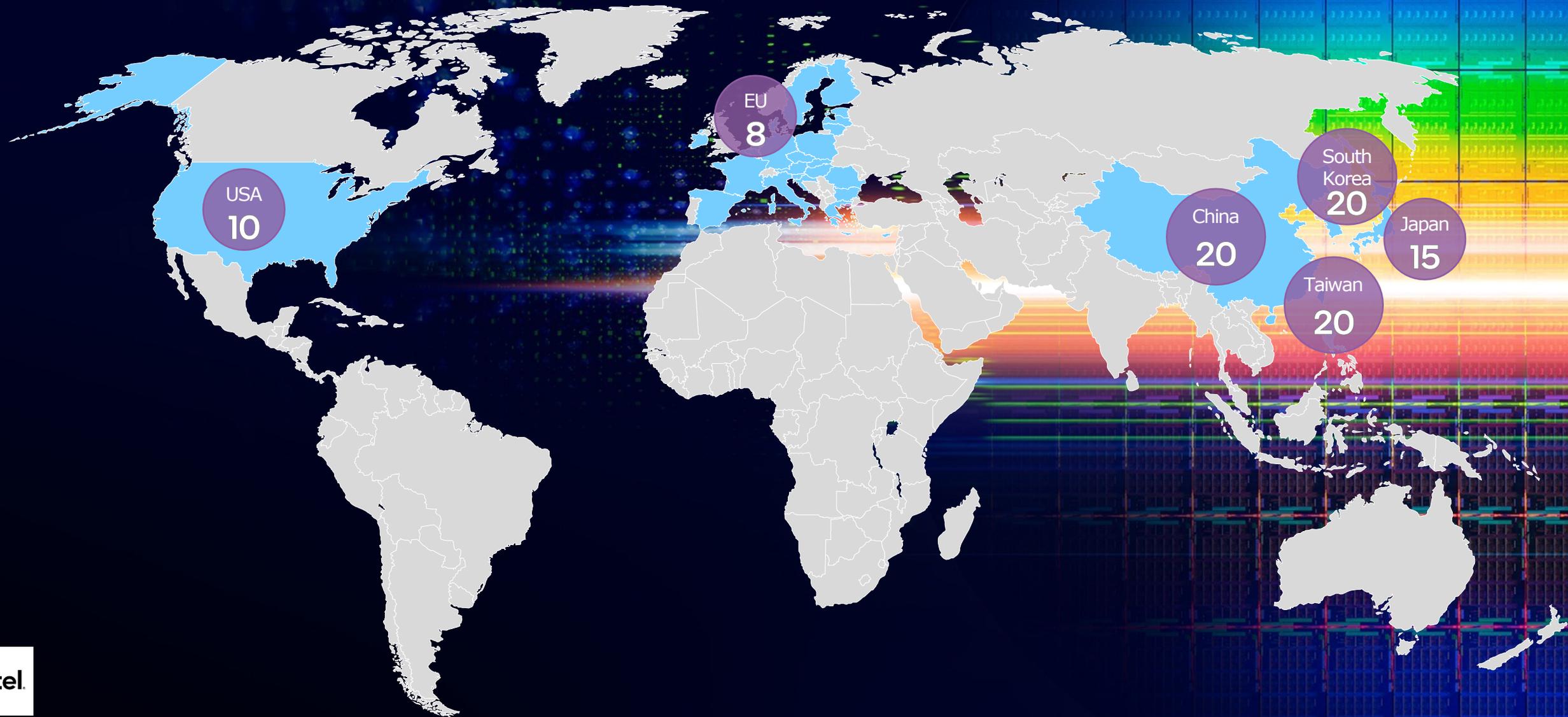


# World-Changing Technology



We create world-changing technology  
that improves the life of every person on the planet

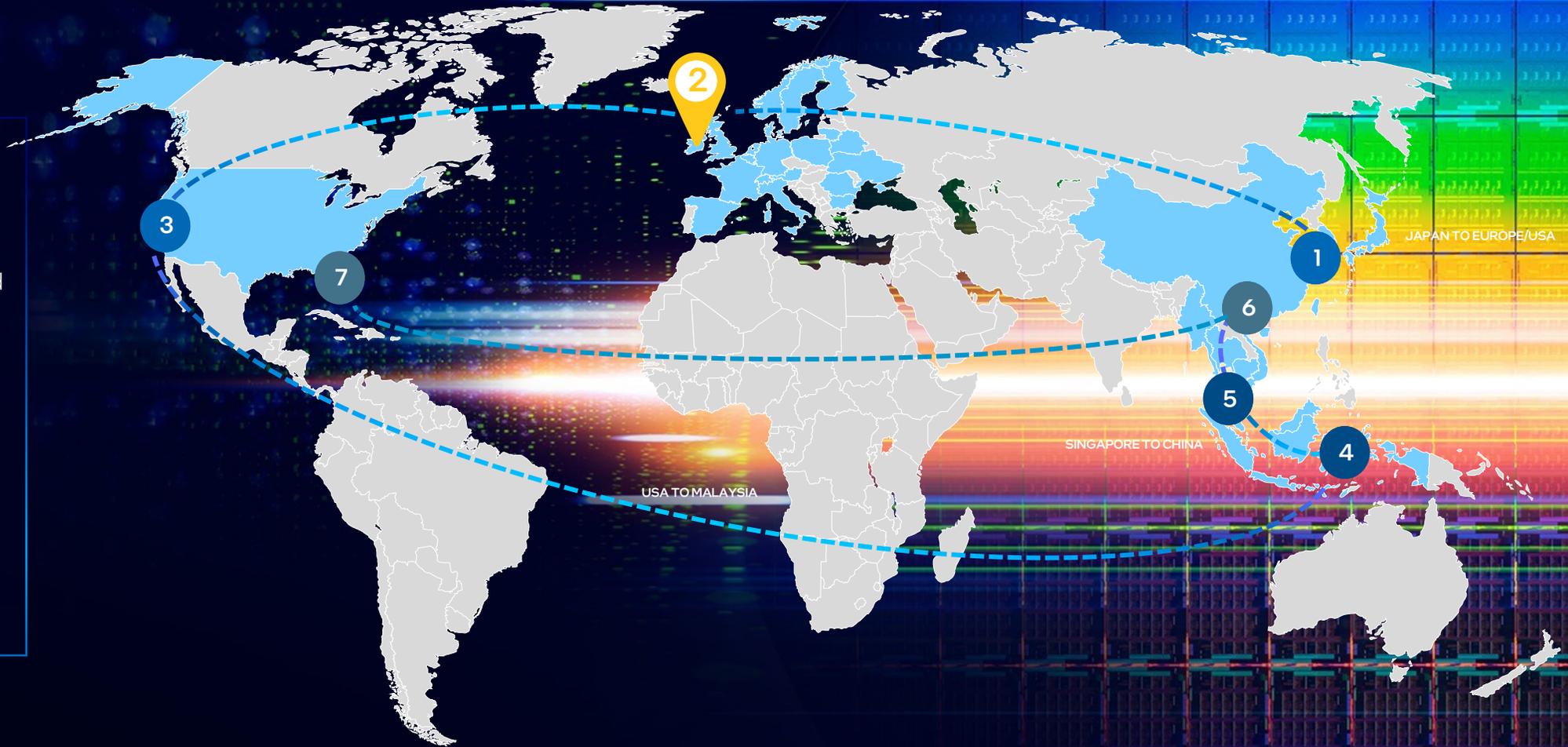
# Current Semiconductor Supply Base



# Semiconductors take a global path to production

1. Silicon ingots cut into wafers
2. Bare wafer into the fab
3. Fab Wafer sorted, cut into die
4. Die assembled, packaged and tested
5. Final product shipped for inventory
6. Chip integrated into customer good by end-product manufacturer
7. Customer buy end product

Conceptual map flow,  
for illustrative purposes only



Intel partners with thousands of innovative companies around the world to bring semiconductors to market, from raw materials to logistics and construction

# Intel's Geographically Diverse Manufacturing Capacity



# IDM 2.0 Strategy

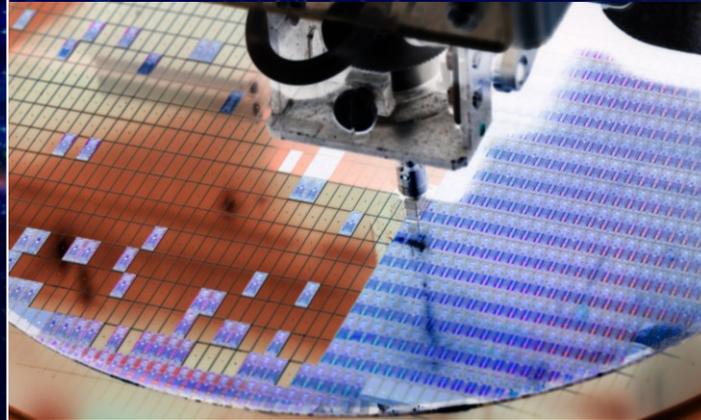
Product Leadership, Supply Resilience, Superior Cost

## Internal Factory Network



Intel's global, internal factory network for at-scale manufacturing

## External Foundries



Expanded use of third-party foundry capacity

## Intel Foundry



Building a world-class foundry business, Intel Foundry Services



Leveraging Intel's leading-edge packaging & process technology & world-class IP portfolio

# Intel & Moore's Law

A Road to Process Leadership



Between now and 2025

intel.

\* Select Products Shown. Based on internal estimates. Technology readiness timing does not necessarily indicate product production timing. Learn more at [www.intel.com/PerformanceIndex](http://www.intel.com/PerformanceIndex).

Made  
in Ireland



# Intel Ireland: Then & Now

2023



# Making an impact since 1989



**€30 billion**

Invested since 1989



**€2.75 billion**

Contributed annually to  
The Irish economy

**17,339**

Full-time equivalent jobs  
supported as well as

**4,900**

people working for Intel

**283.4  
million job  
hours**

Contributed since 1989



**771**

Irish suppliers  
supported since 2007



**€284 million**

Spent on Irish suppliers  
per year



**€8.3 billion**

Spent on Irish labour  
since 1989



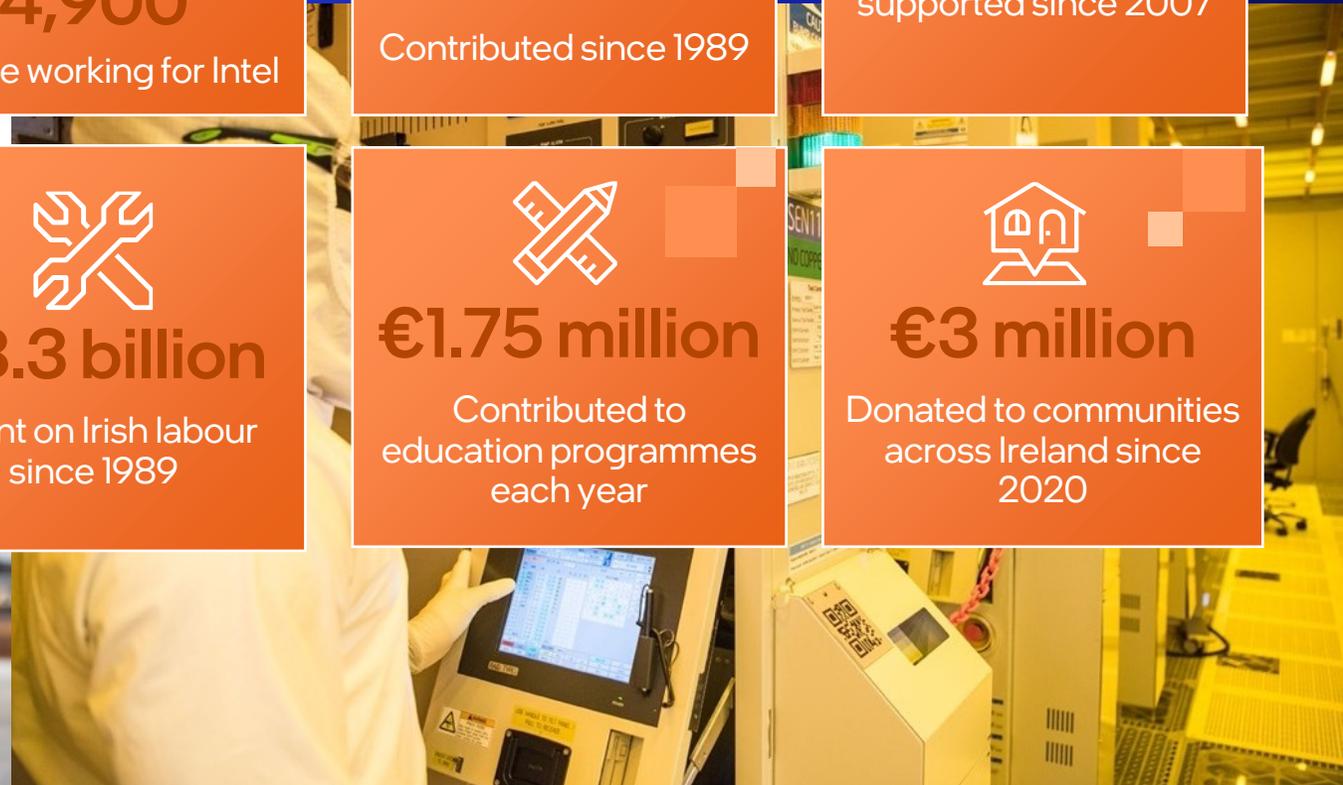
**€1.75 million**

Contributed to  
education programmes  
each year



**€3 million**

Donated to communities  
across Ireland since  
2020



# Fab34



**47,000 m<sup>2</sup>**  
of cleanroom space

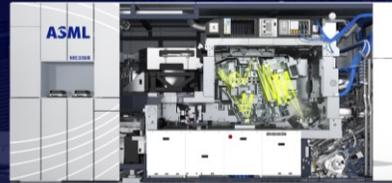
&

**56,000 m<sup>2</sup>**  
of supporting facilities

**21km**

Automated track travelling  
over 70km/ day

Manufacturing in Ireland is  
supported by employees from  
**66 countries**



## Extreme Ultraviolet Lithography

First Intel fab to utilise this technology in  
High Volume

**>2000**

## Process Equipment tools

To support Intel 4 production  
& ~500 tools set to date

**>44 million work hours**  
have gone into the construction of Fab34

Intel  
4

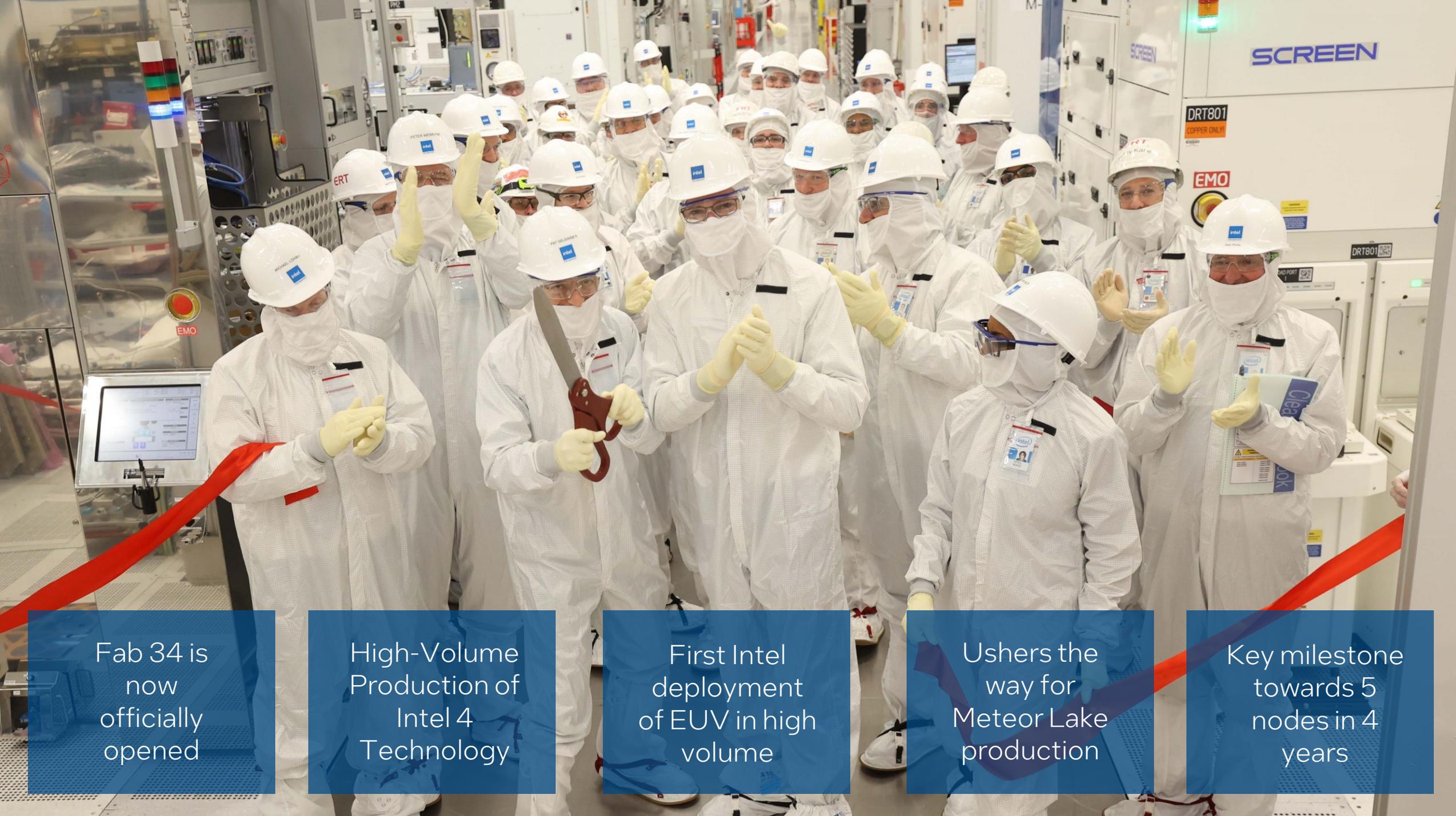
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## Intel 4 & Intel 3

Process Technology

**Q4 2023**

Production Launch  
Start-up technology  
matching in Q3'23.



Fab 34 is now officially opened

High-Volume Production of Intel 4 Technology

First Intel deployment of EUV in high volume

Ushers the way for Meteor Lake production

Key milestone towards 5 nodes in 4 years