



SEMI and Industry Update – EU Call to Action for 2022

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CONNECT - COLLABORATE - INNOVATE - GROW - PROSPER

50+ Years Later: SEMI is More Than Ever and Growing!



2023 Top Priorities

>2,500 members worldwide

SEMI is the only all-encompassing industry association.

Thought Leadership

1,000+ Standards

Expositions/Conferences

EHS/ESG

Worldwide Offices

2,300+ Program Hours

170+ Tech Programs

20+ Tech Communities

Market Intelligence Reports

Strategic Tech Communities:
ESDA, FOA, FlexTech,
MSIG, **SOIC**

Tech partners:
imec,
Fraunhofer,
CEA-Leti,
IEEE, ITRI,
AIST

Smart Initiatives



Think Tanks

Talent Development, DEI & e-learning

Global Advocacy

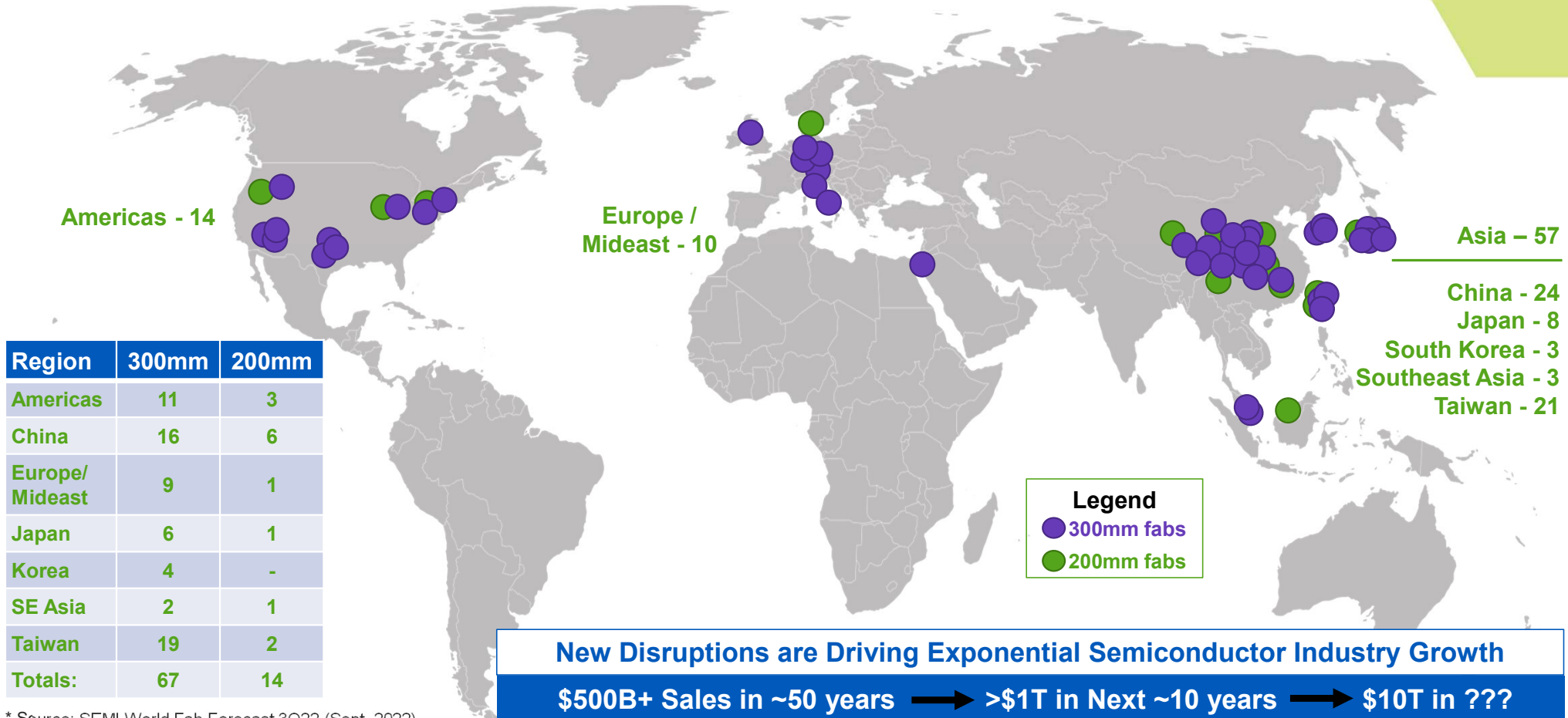
Supply Chain Management

Sustainability

CONNECT - COLLABORATE - INNOVATE - GROW - PROSPER

Unprecedented Fab Production Capacity Expansion

81 200mm and 300mm New Fabs and Major Expansions Coming Online Between 2021-2025*

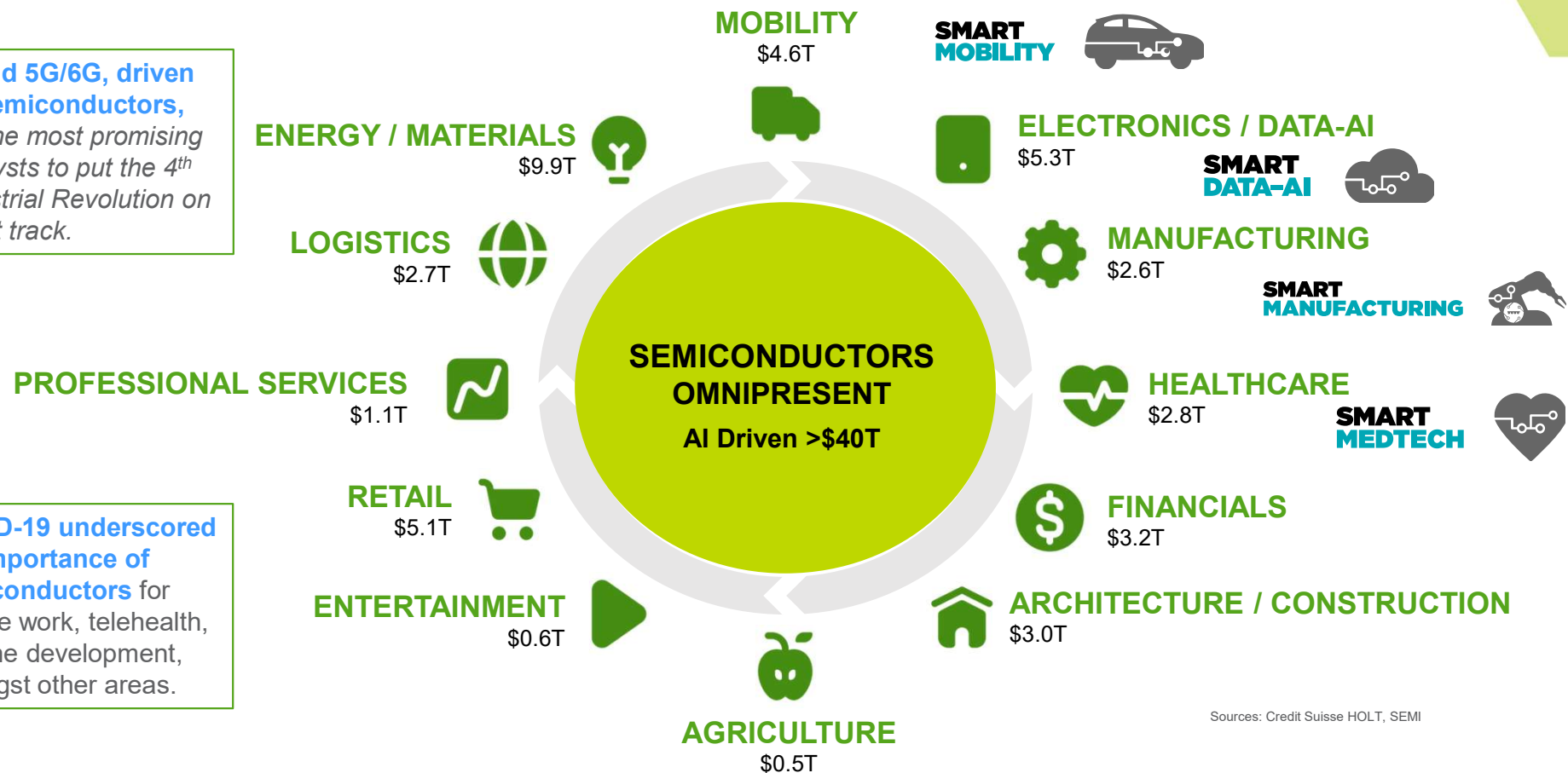


* Source: SEMI World Fab Forecast 3Q22 (Sept. 2022)

Semiconductors are Key Enablers for Virtually All Industries

AI and 5G/6G, driven by semiconductors, are the most promising catalysts to put the 4th Industrial Revolution on a fast track.

COVID-19 underscored the importance of semiconductors for remote work, telehealth, vaccine development, amongst other areas.



Sources: Credit Suisse HOLT, SEMI

What's on the Mind of Global CEOs?

WHAT?

Global Economic Outlook

Resilient Company

Path to Net Zero

War for Talent

Supply Chain Redesign

WHO & HOW?

CEOs to lead while SEMI in the background

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SEMI plays a proactive role to support CEOs

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The rise of geopolitical issues is adding to these challenges.

SEMI and 65 founding members have launched the **Semiconductor Climate Consortium (SCC)**

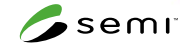
SCC supports the Paris Agreement and related accords driving the **1.5°C pathway**

Members are committed to working toward the following pillars and objectives:

- **Collaboration:** Align on common approaches to reduce greenhouse gas (GHG) emissions
- **Transparency:** Report progress and Scope 1, 2, & 3 GHG emissions annually
- **Ambition:** Set near-term and long-term targets with the aim to reach Net Zero by 2050

Join Us!





SEMI's Holistic Workforce Development Plan

SEMI High Tech U

Demonstrates educational and career paths in STEM that tie to industry for high school, community college and university students

Industry Image and Awareness Campaign

Attracts talent with CAEL job exploration site and Roadtrip Nation documentary

ASA Partnership, Mentoring & University Connections

Creates formal partnerships with universities to provide industry access to emerging talent in STEM fields

SEMI Career & Apprenticeship Network (SCAN)

Connect students and adult workers to industry and manufacturing careers



Primary School

High School

Community College

University

Certifications

Re-Skilling Returning Workers & Veterans

Career & Beyond

SEMI in the Classroom

Provides experiential learning opportunities to engage students early and inspire STEM careers

Community College Program

Aligns industry workforce needs with community college program offerings

Global Workforce Development Pavilions

Connects employers and talent at all SEMICONs

SEMI / IEEE Joint Certification Program

Provides access to training to ensure competency

VetWorks

Supports pathways to recruitment, hiring and retention

Excite and inspire early...

...4th grade onward

Filling the talent pipeline



Attract and motivate ...

K12-college

Strengthen the foundation
(7-15 years)



Pathways to professional careers

Mid-term
(2-6 years)



Continuous learning

Near-term
(0-2 years)

D i v e r s i t y , E q u i t y a n d I n c l u s i o n

SEMICON Europa Call to Action

- **Champion 3 CEO Summits in 2023**

- Global challenges require global collective action – SEMI CEO Summits will elevate major initiatives to global executive level; first one: **SEMICON West**
- **3 focus areas:**
 1. **Sustainability/Path to Net Zero**
 2. **Talent**
 3. **Path to \$1T by 2030 (with Robust Supply Chain)**
 - (All with special attention to the rise of geopolitical issues)

- **Help us Launch SEMI University Globally**

- Connect us with your HR and training personnel and share course content

- **Be a Champion for SEMI in Global Advocacy**

- Help connect SEMI team with staff in Europe and Asia to globalize our efforts

- **Support SEMI's Critical Initiatives**

- Encourage active participation in Industry Advisory Councils and SMART initiatives



THANK YOU

FOR YOUR CONTINUED SUPPORT!