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FOR IMMEDIATE RELEASE

The worldwide semiconductor market is expected to grow by 4.4% in 2022, followed by a decline of 4.1% in 2023

The European Semiconductor Industry Association (ESIA) reports on the release of the new semiconductor market forecast generated in November 2022 by the World Semiconductor Trade Statistics (WSTS). Following a strong growth of 26.2% in the year 2021, WSTS forecast a total size of US\$ 580 billion for the worldwide semiconductor market in 2022, i.e., up 4.4%.

The WSTS forecast updated the growth estimation as inflation rises and end markets see weaker demand, especially those exposed to consumer spending. Some major categories are still expected to see double-digit year-over-year growth in 2022, led by analog devices with 20.8%, sensors with 16.3%, and logic with 14.5% growth. Memory is expected to turn negative in the forecast and decline with 12.6% year over year.

In 2022, all geographical regions are seen to show double-digit growth except Asia-Pacific. The largest region, Asia-Pacific, is expected to decline 2.0%. The Americas region is expected to show growth of 17.0%, Europe 12.6%, and Japan 10.0%.

Worldwide semiconductor market is expected to decline slightly in 2023

For 2023, the global semiconductor market is projected to decline by 4.1% to US\$ 557 billion, driven by the memory segment. In this latest forecast, this category is projected to fall to US\$ 112 billion in 2023, dropping by 17% compared to the previous year. Some other major categories showing single-digit growth like optoelectronics, sensors, discretes and analog.

All regions are expected to remain flat in 2023, only Asia-Pacific is estimated to decline by 7.5% year over year.

To find out how to subscribe to **WSTS reports** on semiconductor sales data, [click here](#).

WSTS forecast summary

Autumn 2022	Amounts in US\$M			Year on Year Growth in %		
	2021	2022	2023	2021	2022	2023
Americas	121,481	142,138	143,278	27.4	17.0	0.8
Europe	47,757	53,774	54,006	27.3	12.6	0.4
Japan	43,687	48,064	48,280	19.8	10.0	0.4
Asia-Pacific	342,967	336,151	311,005	26.5	-2.0	-7.5
Total World – \$M	555,893	580,126	556,568	26.2	4.4	-4.1
Discrete Semiconductors	30,337	34,098	35,060	27.4	12.4	2.8
Optoelectronics	43,404	43,777	45,381	7.4	0.9	3.7
Sensors	19,149	22,262	23,086	28.0	16.3	3.7
Integrated Circuits	463,002	479,988	453,041	28.2	3.7	-5.6
Analog	74,105	89,554	90,952	33.1	20.8	1.6
Micro	80,221	78,790	75,273	15.1	-1.8	-4.5
Logic	154,837	177,238	175,191	30.8	14.5	-1.2
Memory	153,838	134,407	111,624	30.9	-12.6	-17.0
Total Products – \$M	555,893	580,126	556,568	26.2	16.3	5.1

Note: Numbers in the table are rounded to whole millions of dollars, which may cause totals by region and totals by product group to differ slightly.

For more information:

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About ESIA: The European Semiconductor Industry Association (ESIA) is the voice of the semiconductor industry in Europe. Its mission is to represent and promote the common interests of the Europe-based semiconductor industry towards the European institutions and stakeholders in order to ensure a sustainable business environment and foster its global competitiveness. As a provider of key enabling technologies, the industry creates innovative solutions for industrial development, contributing to economic growth and responding to major societal challenges. Being ranked as the most R&D-intensive sector by the European Commission, the European semiconductor ecosystem supports approx. 200.000 jobs directly and up to 1.000.000 induced jobs in systems, applications and services in Europe. Overall, micro- and nano-electronics enable the generation of at least 10% of GDP in Europe and the world.

About WSTS: World Semiconductor Trade Statistics (WSTS) was founded in 1986 as a non-profit organisation of semiconductor product companies and is the industry's only source for monthly industry shipment statistics. <http://www.wsts.org/>