

Development of the Global Semiconductor Industry Under Geopolitical Influences

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Abstracts

In response to the U.S.-China tech war and the automotive chip shortage exacerbated by COVID-19 lockdowns, numerous countries have implemented policies aimed at bolstering their semiconductor supply chain resilience. The United States, Japan, and European Union, among others, have proposed legislative measures, tax incentives, and subsidies to attract semiconductor companies to establish manufacturing facilities within their borders, thereby strengthening their chip production capabilities. With semiconductors emerging as a strategically vital global industry, this report offers an overview of the supply chain strategies employed by several major countries, including the United States, Japan, the EU, South Korea, China, and India. It examines these nations' promotional strategies and the status of global and Taiwanese semiconductor manufacturing capacity distribution, while also addressing five key factors considered by companies when establishing overseas factories.

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