



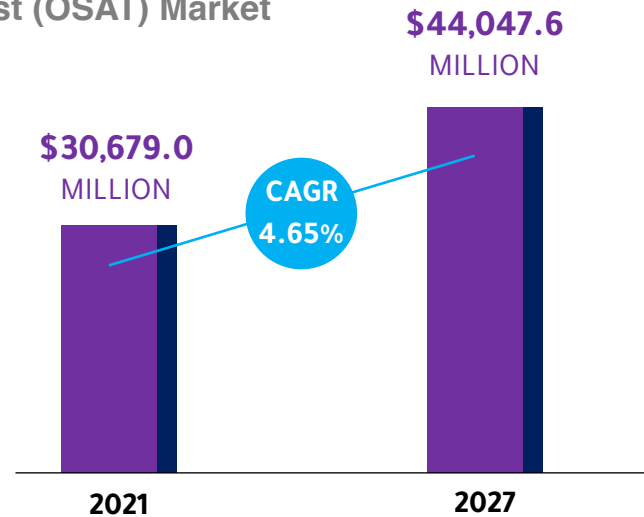
Investment Opportunity In  
ICT Sector

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# Outsource Semiconductors Assembly and Testing (OSAT)

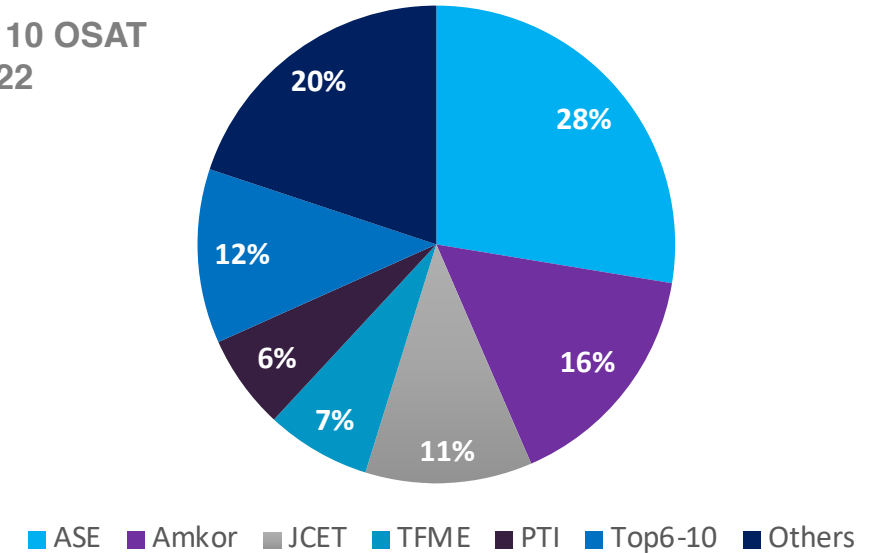
## Global Market

### Global Outsourced Semiconductor Assembly and Test (OSAT) Market



Source : IDC 2023

### Worldwide Top 10 OSAT Companies, 2022 Market Share



## Investment Offer

Build and operate advanced OSAT factory in Oman with exposure to international market. It will be the OSAT in the Middle East. The government will offer attractive incentives for keen private investors.

A potential Government\private Partnership is offered to the investment opportunity with free land of up to 100,000 sqm. The strategic location is enabling Oman to play a significant role in the global semiconductor supply chain between East & west.

## Location

- Muscat
- Sohar

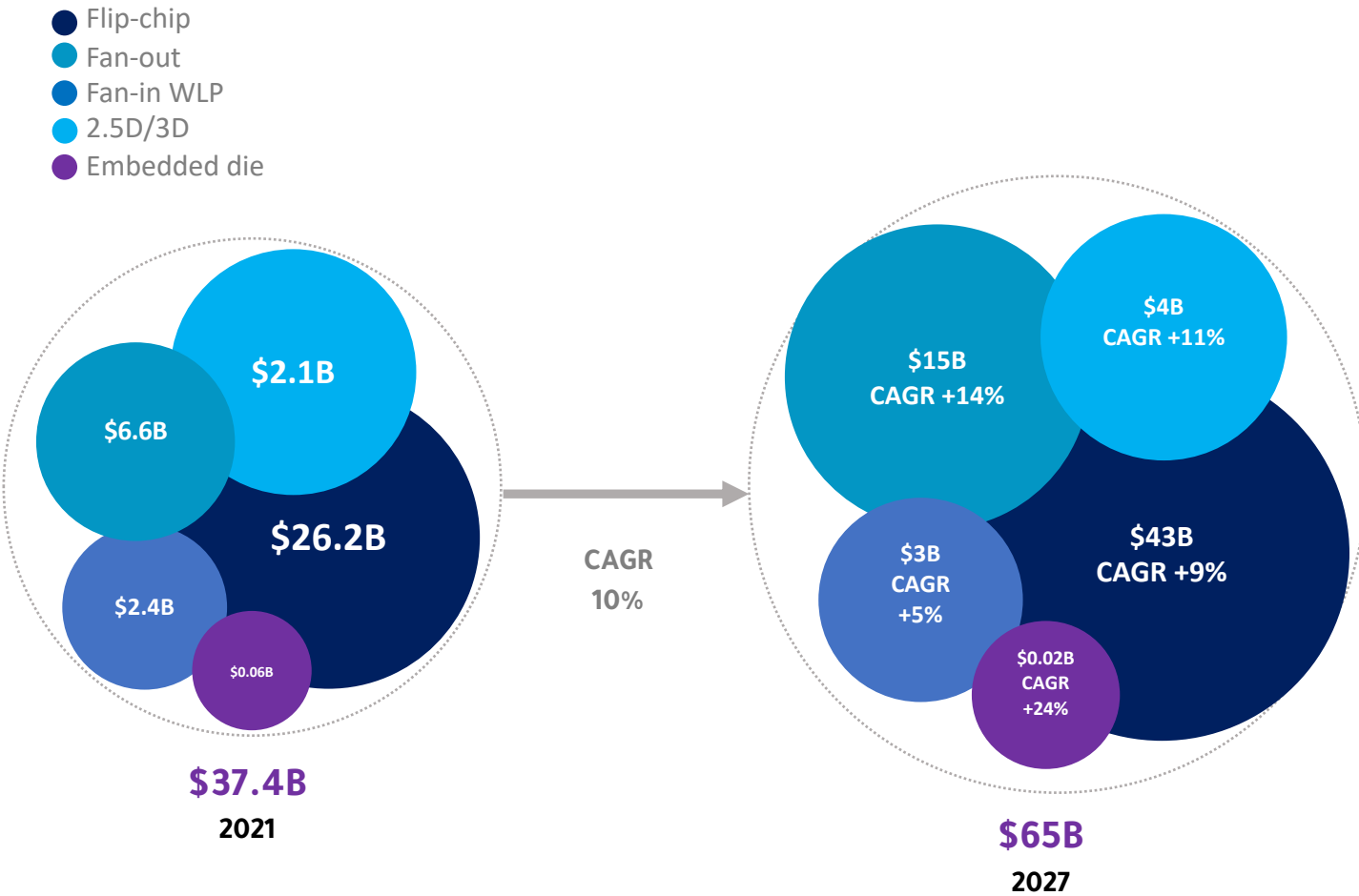


# Opportunity Description

OSAT companies (Outsourced semiconductor assembly and test) are offering third-party IC-packaging and test services to silicon devices that are made by foundries prior to shipping to the market. This OSAT investment expected to play a crucial role in ensuring the final quality and efficiency of semiconductor chips in the global semiconductor supply chain. As technological advancements continue to progress in areas like AI and machine learning, there has been a notable shift towards advanced packaging, particularly the evolution from 2D to 2.5D/3D structures.

In addition to the middle east & global target markets, a promised semiconductor eco-system in Oman is developing with high government support, therefore a good number of fabless companies expected to established in Oman which will outsource their packaging to the OSATs.

## 2021-2027 advanced packaging revenue forecast



Source : Status of the advanced packaging Industry 2022, Yole Intelligence, July 2022

## Incentives

- Land
- Investments sharing
- Tax exemptions
- Utility subsidies (Electricity, Water, etc...)
- Salary Subsidies for local employees for the first 2 years.
- Training subsidies
- Government support

## General Indicators & Overview



Total estimated investment  
**\$130-140 M**



Estimated Capex:  
**\$110M**



Implementation Duration:  
**2-3 years**



Land area:  
**1-2 years**



Expected number of employees  
**around 300**

## Key Stakeholders and players

- Oman Government
- Oman Private Sector
- Oman Free and Economic Zones
- Global Semiconductors ecosystem
- Local and International Funds
- Global Venture Capitalists



## Local Status



Oman has a strategic location between East & west, which provides investors better opportunities to get to the regional and international semiconductors market and its global supply chain.



Oman Government is committed to build semiconductors ecosystem alongside implementation of national wide digital transformation program.



Availability of number of free & economic zones, 97% of the country is covered by high connectivity 4G, and adapting Zero-Carbon plans, all together are additional advantages offered to the investors in Oman.



The OSAT industry gap in the region, is providing an investment great growing opportunity.



Oman signed number of International and Bilateral Investment Agreements with different countries, and one of these agreements is with the USA.



This opportunity will benefit from the local specialized pool of talents.

## Target Market

Local,  
Regional  
and Global

