

## 2. Tin Downstream Industry



JIPE (Java Integrated Industrial & Port Estate)



### Legend:

- 1 Main Office
- 2 Tin Ribbon Production
- 3 Tin Solder Production
- 4 Tin Chemical Production
- 5 Warehouse
- 6 Public Facilities
- 7 Solar Panels
- 8 Control Panel
- 9 Garden



<b>A</b>	<b>JIPE Deep Sea Port</b>
3.2 km	8 minutes
<b>B</b>	<b>Gresik Port</b>
15 km	31 minutes
<b>C</b>	<b>Tanjung Perak Port</b>
30 km	48 minutes
<b>D</b>	<b>Juanda Int'l Airport</b>
59 km	70 minutes

### Project Description

Indonesia, the world's second-largest tin ingot producer (70,000-80,000 tons annually), possesses immense potential to develop a robust tin downstream industry. However, over 50% of Indonesia's demand for tin derivative products, valued at \$150 million USD, is currently met through imports. This presents a significant opportunity to substitute imports and support government programs promoting green technologies like electric vehicles, solar panels, and data digitization, all of which rely heavily on these very tin derivatives.

With a total production capacity of 50,000 tons per year, the tin downstream industry focuses on processing tin ingots into three main products: **tin solder** (10,000 ton/year), **tin ribbon** (10,000 ton/year), and **tin chemicals** (30,000 ton/year). Tin ingots serve as the primary raw material, with a consumption rate of 19,000 tons annually. The production process utilizes additional supporting materials such as copper and silver for tin solder, *chlorine gas*, *methyl chloride*, and *2-ethylhexyl thioglycolate* (2-EHTG) for tin chemicals, and lead for tin ribbon production.

### Key Investment Highlight

<b>Location</b>	Gresik SEZ - JIPE, Manyar District, Gresik Regency, East Java Province
<b>Est. Invest. Value</b>	USD 267.05 M / IDR 4.17 T
<b>Total Area/Land Status</b>	20 Ha, Building Use Rights (HGB)
<b>Business Scheme</b>	Private Investment
<b>Project Owner</b>	Ministry of Investment/ Indonesian Investment Coordinating Board
<b>Financial Feasibility</b>	WACC : 12.21 %; IRR : 17.16%; NPV: USD 134,486,071 / IDR 2.1 T; PP : 8 years 1 months
<b>Supporting Infrastructure</b>	<b>Electricity:</b> Capacity 200 MW; Plan 800 MW; Requirement: 2 MW <b>Raw Water:</b> Capacity 2,400 m3/day; Requirement: 500 m3/day <b>Gas:</b> Capacity 100 MMSCFD; Requirement 0.5 MMSCFD <b>Telecomm.:</b> high speed fiber optic (>10 km) <b>WWTP:</b> 2.500 m3/day <b>Deep Sea Port:</b> 6.2 km length; 16 m depth

### Contact Person

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