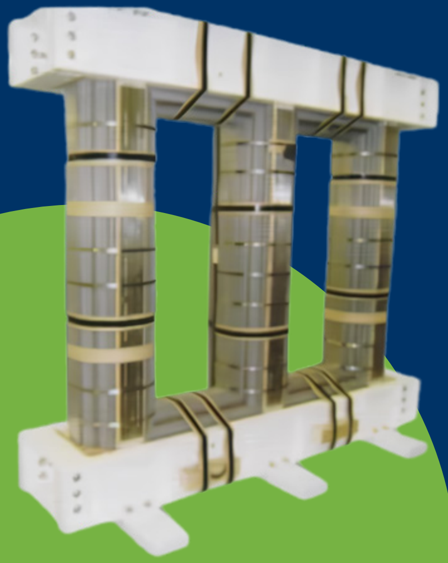
Investment Opportunity

Transformer Core Assembly



#LOCALIZE_IT
VOLTAMP

Transformer Core Assembly

Opportunity

Setting up a manufacturing facility for transformer core assembly line to complement the localization plans for transformers

Value Proposition

Transporting fully assembled large-size cores presents significant logistical challenges, leading manufacturers to utilize their own facilities for in-house core assembly.

In Oman, there are 4–5 transformer manufacturers that require these components for their production, creating a clear opportunity for localized supply and support.

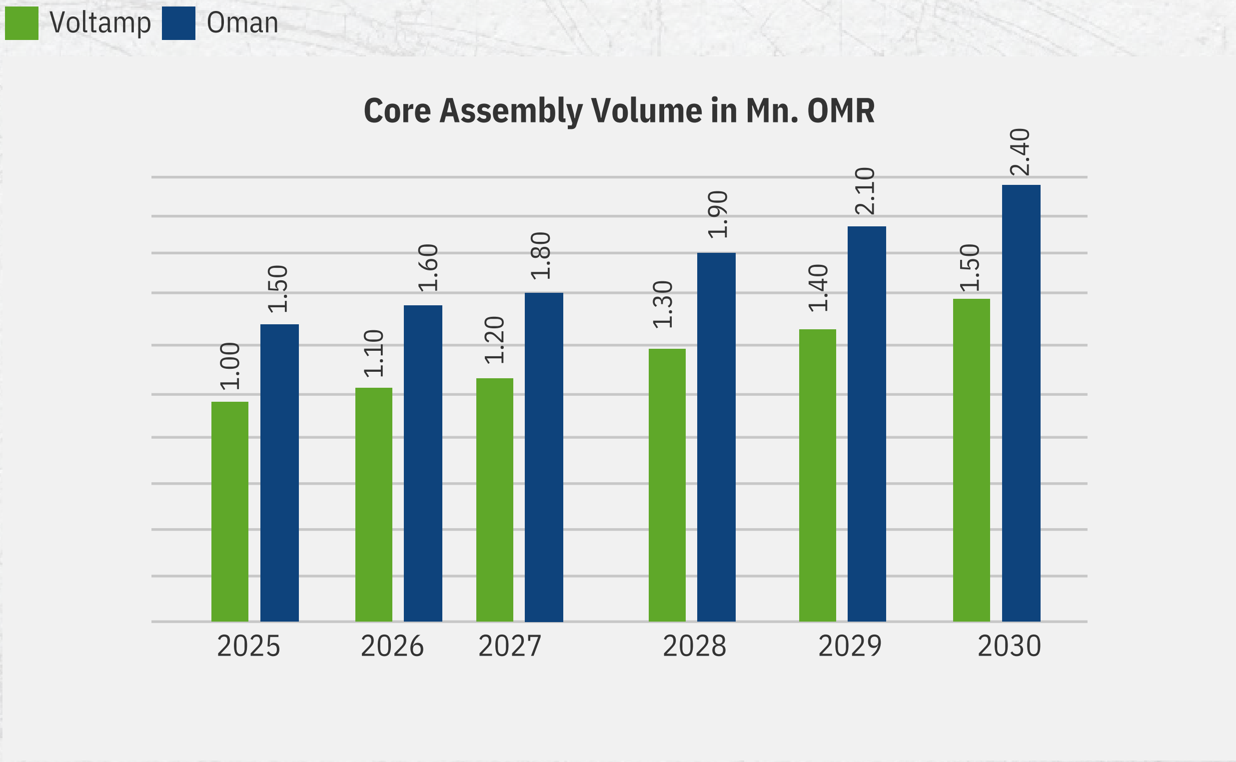
Market Overview

Energy demand is accelerating in line with population growth, industrialization, automation, and digitization. As economies expand and modernize, the need to upgrade electrical grids, increase generation capacity, and enhance energy storage has become critical, directly driving demand for transformers across global markets.

Across the GCC, around 90% of transformer manufacturers currently manage core assembly in-house, despite it being a labor-intensive, non–value-added (NNVA) activity. This creates an opportunity for manufacturers to optimize operations by outsourcing or localizing this process, improving efficiency and focusing on higher-value engineering and innovation.

The global transformer market, valued at approximately $64 billion in 2025, is projected to reach $88 billion by 2030. This growth is fueled by rising energy consumption and the urgent need to modernize aging transmission infrastructure, positioning transformers as a key enabler of future energy systems.

Core Assembly —Demand Chart (2025-2030)



Core Assembly —Key Highlights

Investment
RO 1.2–2.0 Mn

Timeline
6–8 months

Expected IRR
17.91%

Working Capital
RO 0.6 - 0.8 Mn

Value Chain Analysis

	Fabrication	Insulation Cutting	Stacking	Testing	Packing & Dispatch
MACHINES	• Ms fabrication Shop	• Machining Shop	• Stacking machine	• Core loss tester, online surface monitoring sensors	• Packing hand tools
MATERIALS	• Ms Sheet • Ms Structures	• Press Board • Wooden Blocks • FG Components	• Cut laminations • Pallets	• Core sheets	• Packing materials • Silica gel

Business Ease in Oman

Proximity to Major Markets	Access to 60% of world population in an 8 hour flight radius
Free Trade Agreements (FTA)	105 International FTA, access to over 500 Mn consumers
Investment Appeal	Ranked 21st Globally in Best Countries for Investment & Business
Tax Incentives	0% Personal Income Tax 0% corporate tax for 10 years in free zones
World class logistics	Ranked among the most efficient ports globally, Road connection to GCC++

For more details https://investoman.om/