

 **atlas**<sup>®</sup> EMPOWERING  
SUCCESS

[www.isltechs.com](http://www.isltechs.com)





# WHO ARE WE?

We are ISL TECHS, committed to producing high-quality, reliable, and durable transformers.

We maximize the efficiency of our engineering infrastructure and consistently aim to achieve precise results. From our production facility in Izmir, we extend our reach globally.



# Our Ability: Empowering Success.

We ensure consistent quality in each transformer we manufacture, continuously strengthening through success.









# Everything Here is as It Should Be.

Quality production, rapid response capabilities,  
problem-solving expertise, customer satisfaction,  
effective communication, and a well-functioning system...



# World of ISL Techs

## We adhere to strict standards.

### **Production as It Should Be:**

In the World of ISL Techs, we produce with a commitment to long-lasting and sustainable quality, ensuring no issues arise.

### **Service as It Should Be:**

In the World of ISL Techs, we provide customized solutions through accurate pre-sales analysis and thorough follow-up on all post-sales operations.

### **Management as It Should Be:**

In the World of ISL Techs, we adopt a management approach founded on respect and principles, with a flawless system.

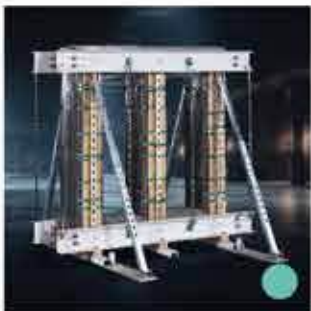
### **Communication as It Should Be:**

At Atlas, every idea is valued. We prioritize direct and open communication with our colleagues and customers.











# Sustainability

## Commitment to Sustainability

At the World of ISL Techs, we are firmly committed to making a positive impact on the environment through the implementation of sustainable practices with deeply embedded in all aspects of our operations, encompassing design, manufacturing, distribution, and end-of-life management.

## Reducing Carbon Footprint

We prioritize the reduction of our carbon footprint by optimizing production processes and investing in energy-efficient technologies with leveraging renewable energy sources and enhancing operational efficiency.

## Recycling and Waste Management

Recycling is a fundamental component of our environmental strategy. We implement comprehensive recycling programs that ensure the materials used in our transformers are recycled and reused whenever feasible.

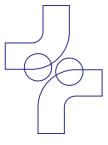
## Eco-Friendly Design

Our transformers are meticulously designed with sustainability as a guiding principle. We utilize environmentally friendly materials and adhere to stringent industry standards to ensure that our products are both high-performing and eco-conscious. As we reduce the frequency of replacements, thereby decreasing the overall environmental impact.

## Community and Education

Through educational initiatives and strategic partnerships, we aim to raise awareness about the importance of environmental stewardship and encourage the adoption of sustainable practices.





# Production

## Production Design

- Tailor-made design for all customer specifications at Atlas design department
- Analyses for design and realistic test results
- 3D assembly and electrical clearance studies
- Raw material performance and design integration for product uniqueness

## Magnetic Core

- Fully automated core cutting line
- High-quality CRGO steel
- Low loss (Eco-design, Tier 2 or lower)
- Low noise level
- Amorphous core studies

## LV and HV Windings

- Copper or aluminum conductors
- Hi-tech, fully automated, tension PLC-controlled machinery
- High mechanical and thermal short circuit withstand capability

## Pre-Assembly, Drying Process, and Final Assembly

- Pre-tests and quality checkpoints as semi-finished product
- Thermostatically plc controlled vacuum ovens
- Oil filling under vacuum
- Tanks are pre-treated by sandblasting and painted with high-performance industrial paint as per the customer's requirement





**Quality Production is  
Our Strong Point.**





# Our Products

## **Distribution Transformers**

Three-phase distribution transformers, produced in the 50 to 2500 kVA power range and up to a maximum of 36 kV, are available in conservator and hermetic designs. Accessory options, such as protection relays, thermometers, and oil pressure valves, are available.

## **Power Transformers**

Our three-phase power transformers, designed for heavy-duty applications, are available in the power range of 2500 to 16,000 kVA. With voltage levels ranging from 6.3 kV up to a maximum of 36 kV, these transformers are ideal for a wide range of power distribution needs. They also come with various accessory options, such as protection relays, thermometers, and oil pressure valves, for enhanced functionality.

## **Custom Design Transformers**

Up on customer request, reactors, railway, and earthing type transformers are produced according to particular specifications and harsh environmental conditions.

# Quality

To meet ISO 9001 standards, we continuously improve our quality management system documentation, certifications, and education.

## 6 Gates QC Plan

### 1. Incoming Material Control

Warehouse

### 2. Coil Control

Warehouse

### 3. Pre-Assembly Control

Oven

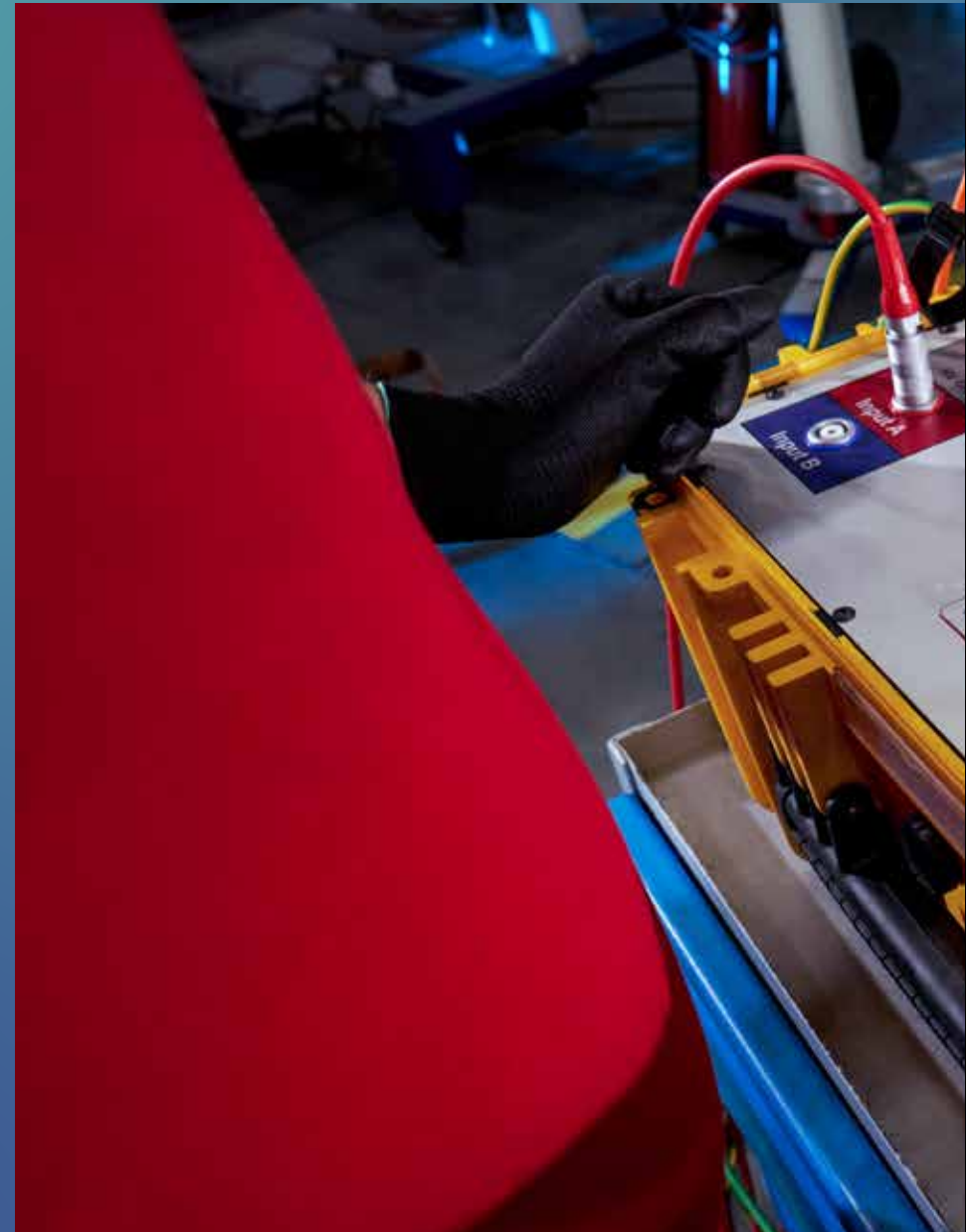
### 4. Assembly Control

Vacuum

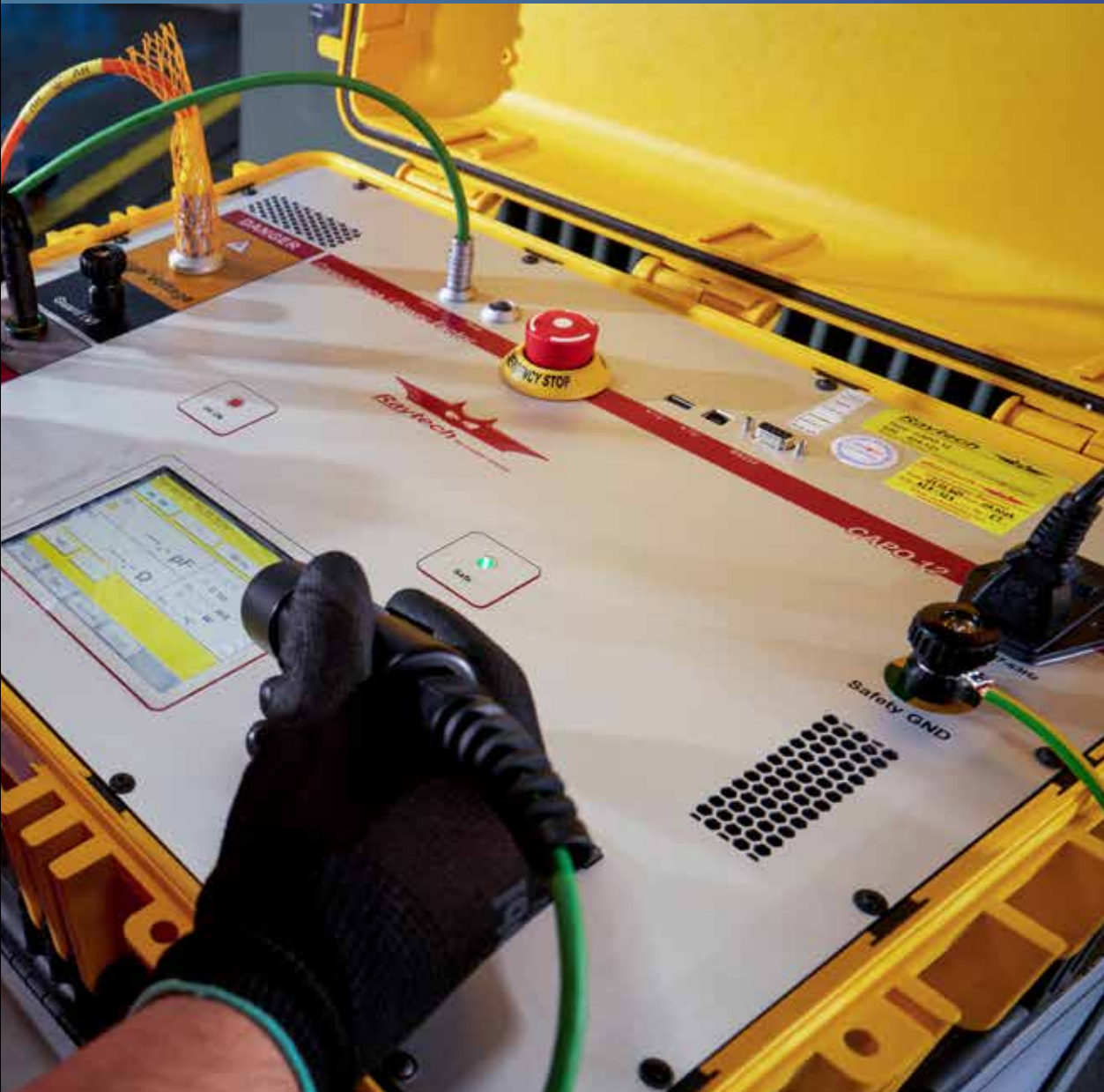
### 5. Test Control

Finished  
trafo area

### 6. Final Dispatch Control







# Quality Production is Our Strong Point.

## Traceability

Each part of a transformer (such as core, coils, cover, tank) has labels or embossed definitions with design numbers and unique serial number on it. Through this unique serial number, we can trace transformers in terms of raw materials, dimensions, visual control results, manufacturing operator/the machine, and dates etc.

## Testing

- Tests as per IEC EN 60076-1 standard
- Intermediate tests in all production stages
- Special tests for global inspections
- ISO 17025 accreditation application ongoing



# Certificates









# The World of Atlas Draws Strength from the World.

We export our transformers to more than 40 countries across 4 continents, drawing our strength from the world.





**We Transform  
Energy into Trust.**

