

# Company Profile 2023



**We Excel in**  
Quality and Service

**We Share the**  
Information and Knowledge

**We Train**  
ourselves as well as all associates



**National Electrical System Industries FZE**  
Hamriyah Free Zone  
Sharjah, United Arab Emirates  
Tele: +971 6 5260052 Fax: +971 6 5260053  
[www.nescouae.com](http://www.nescouae.com)

# National Electrical System Industries FZE

National Electrical System Industries FZE was incorporated in 2003, and started commercial production in a very short span of time. The plant is situated in Hamriyah Free Zone, Sharjah, which is spread over 25,000 Sq.meters with a strong backing of expertise of technical staff and skilled labors. The plant is equipped with sophisticated machinery & dedicated team to produce quality products as per the operational requirements of ISO 9001: 2015 quality standards.

The plant is outfitted with numerically controlled machineries such as Turret Punching Machine, Bending Machine, Shearing Machines and Automatic powder coating plant.

NESCO has grown up sharply from the time of its inception and there is ongoing development in designing & manufacturing to provide advanced solutions to customer requirement.

We have built our reputation on functionality with innovative designs, uncompromising quality, varied design options to standardize and an ability to deliver on schedule. Due to this unique feature, we have obtained the authentication of ISO Quality Management System Certification.

We are frequently improving on our manufacturing accordingly with the ever changing environment. All the materials are with varied standards and hardware is being imported from Germany, Holland, France & U.K Origins and from internationally recognized manufacturers.





NESCO over the years has built a strong business foundation amid a challenging business environment. We have made strategies and implemented them in succession, based on market analysis and feedback from our valuable customers. NESCO has undergone comprehensive organizational transformation since its inception in 2003, with development of infrastructure, technology and most of all, its skilled and motivated manpower.

Together with our management and employees we've always remained positive and resilient towards our objectives in the most difficult and perplexed times. Our success substantiates the continual focus on providing a quality, recognized by international standards. We remain fully committed to strengthening our capabilities and to further progress the organization.

Our prime focus has always been centered at developing new products, and to innovate existing designs, making them more acceptable for our customers. We are always open to new ideas and suggestions from all our business associates. We recognize the value of everyone's contributions.

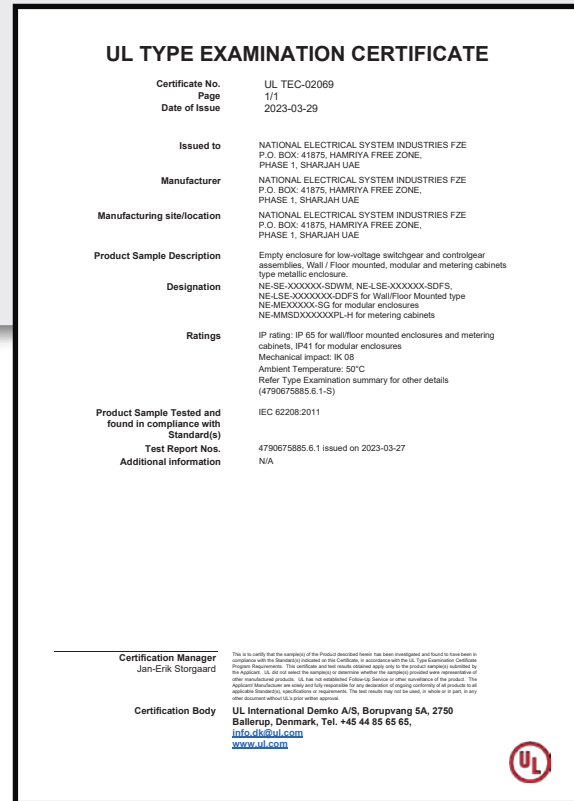
Today, the market is evolving at an immense pace, with development of new materials, designs and standards. Sustainability is driving demand for better, cleaner and more-efficient products, which are not only more effective but also environment friendly. We have acquired and, in constant search for talented people in every department, who will be instrumental in driving our company towards success.

We will continue to work on our heritage of being competitive and to provide products and solutions to our customers, setting new standards in market. Our contribution towards sustainability and social responsibility will be reflected in all our aspects of business.




**Muhammad Ashraf Hanif**  
Founder and Director

# Certifications



We are fully equipped to design any custombuilt requirement based upon future technology, appropriate designs, structural strength, panel aesthetics, ease of installation and maintenance, transportation and safety. We always aim to partner with the customer through consultations so that we can provide the best economic engineering solution.

# Paint Protection



## Test Report

CLIENT :	NATIONAL ELECTRICAL SYSTEMS		
DATE :	03.05.2023		
TEST :	Neutral Salt-spray test		
REFERENCE :	TECA2023030098		
SAMPLE :	Coated Panel		

Test method : Modified Version of ASTM B117  
 Test conditions : 5% NaCl in de-ionized water  
 Cabinet temperature: 35°C  
 Humidity Temperature:45°C  
 Test period : 1000hours  
 Substrate : Customer supplied coated panel.

Results:

TEST	TEST STANDARD	SPECIFICATION	Results
Dry Film Thickness	Actual measurements	80 - 120 µ	192-222µ
Gloss@60° (Initial)	ISO 2813 (60°)	Visual	Pass
Gloss@60° (After test completion)	ISO 2813 (60°)	Visual	Pass
Blistering (After test completion)	Visual observation	No Blisters	No Blisters
Surface rust (After test completion)	Visual observation	NA	No Rusting
Corrosion creepage from the scribe (After test completion)	ASTM B117	Maximum 5mm *As per Customer Application Standard BS EN 13483	3.5MM
Adhesion at unscribed area (Crosshatch + tape pull off)	EN ISO2409 (3mm)	Gt 0 (No loss of adhesion)	Gt 0

Remarks:  
 Supplied coated Panel passes 1000hrs salt spray test.  
 Test continued for 1440hrs.

*Surendra J. Desai*

Surendra J. Desai  
 Laboratory Senior Chemist 2  
 Jotun Powder Coatings UAE L.L.C.

*This report is valid for the performance of the coating on the samples tested as above.*

Jotun Powder Coatings Page 1



## TEST REPORT

Report No. ME-202123-014

Client / Establishment :	EN, National Electrical System Industries FZC, Al Hamraya Freezone, Sharjah Arab Emirates		
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Sample ID : MS-061123-026  
 Sample Receiving Date : 06/01/2023  
 Reporting Date : 20/02/2023  
 Date of Analysis : 06/01/2023-20/02/2023  
 Tested by : YA  
 Issue No : 01 (No Issue Date: NA)

Sample Information:  
 Sample Description : Wall/Floor Mount  
 Sample Reference : Modular Enclosures  
 Reference Number : NESCO/PO250001/MS22-04696/04

Test Results:

<b>SALT SPRAY TEST</b>		pH of collected fog: 6.75
Exposure Period	1000hours	Amount of fog collected: 1.4 ml / Hour
Salt Spray Concentration	5 %	
Test Temperature	35 ± 2 °C	

Test	Test Method	Result
Salt Spray Exposure	ASTM B117-16	No significant corrosion observed on the test specimen after 1000 hours

Note: Image of the samples before and after the exposure are attached as appendix

Prepared by: *AK*      Verified by: *AK*

Checked: *AK*      Team Head: *AK*

Material Science Division (MSD)      Material Science Division (MSD)  
 Employee Code: METS AJ EC 986      Employee Code: METS AJ EC 110

The above test results are only applicable to the sample(s) referred to above. This report shall not be reproduced except in full, without the written approval of the METS laboratory.  
 For further clarification of reports, please contact [info@mets.com](mailto:info@mets.com)

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Rust prevention is an integral part of metal fabrication. We use the best quality powder coating system available. Random samples are regularly tested in-house as well as by paint-manufacturer and third part to ensure a consistent quality provided to customers.



# Corporate Philosophy

We are committed to provide superior quality products and services to our customers and never compromise on quality in everything that we do.

We value each individual in the company, suppliers and service providers for their contribution and respect our relationship with them.


Our product and services are developed with the customer in mind. We treat our customers with dignity and honesty and focus on the success of our customers.

We value shared decision-making, teamwork and partnerships and seek opportunities to build relationships that will create greater value across functions, businesses and locations.

We believe that improvement is a continuous process. We are always open to change in order to discover new and creative ways to meet the changing needs of our customers.

## BRAND PROMISE

We Commit to continue to meet and exceed the trust and expectation of our Customers and Society with our fundamental principals of Ethics and Quality.



**Avesco**

**Designing**

**Custom  
Fabrication**

**Product  
Development**

**Prototypes**

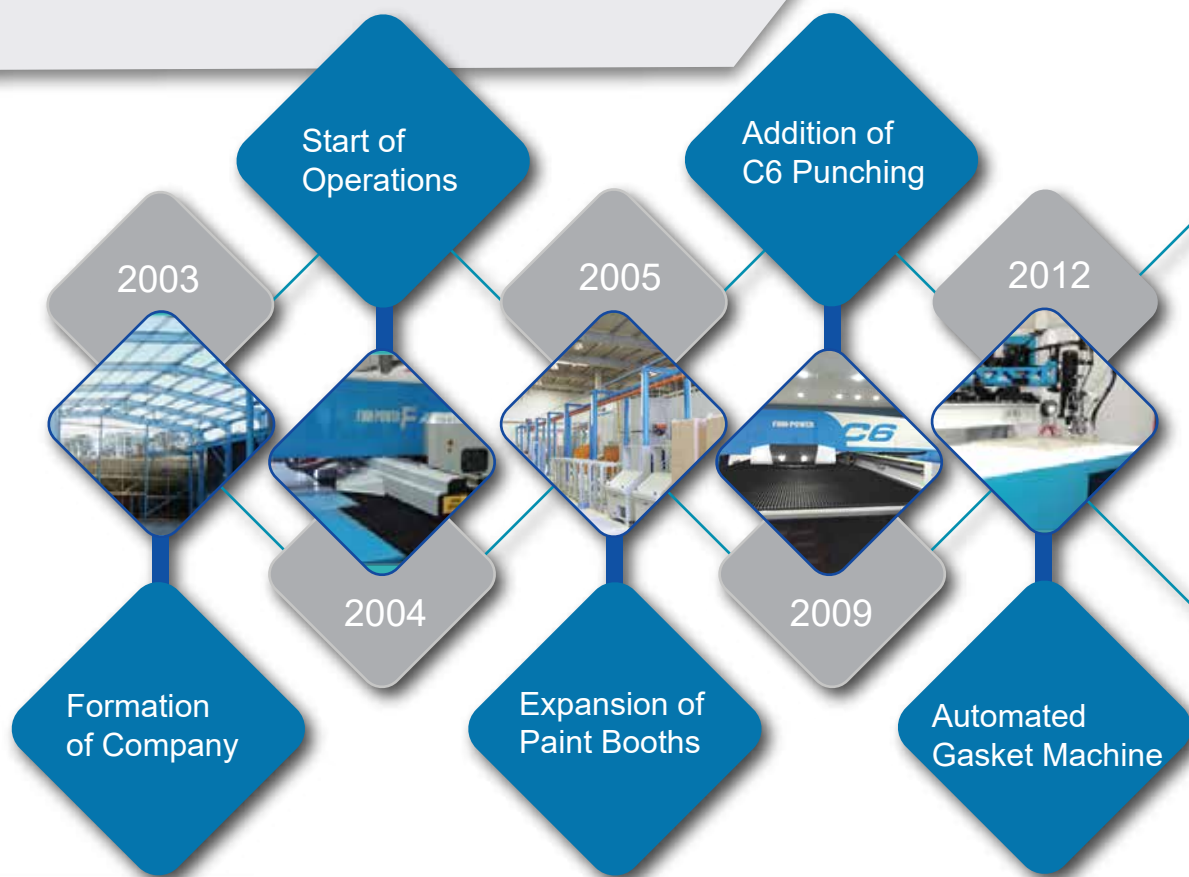
## WE Specialize

Located in Hamriyah Free Zone, one of the most industrial friendly locations in UAE, and closer to most of the market opportunities in UAE and all over GCC. Single point focus for manufacturing Switchgear products unlike some of the other vendors that also manufacture other products like transformers, on load tap changers, capacitors and other accessories.



# The Timeline of Success

Determination  
Leads to  
Efforts





Each customer and each inquiry is unique, we work closely with our clients to ensure the job is completed to their specification. Our team of qualified and professional staff deliver a reliable, courteous, and competent service to our clients.



Efforts  
Bring  
Success





# We Invest in Employees Health & Safety

Health and safety of every employee is of NESCO is of prominent importance to management In order to assure that all employees and contributors recognize the Quality Policy; we are committed to appropriately communicate and periodically review its application.

We at National Electrical System Industries are committed to ensure that all of our products and services meet the customer's most demanding requirements, thereby continually striving to achieve global standards.


It is our policy to conduct all operations in a responsible manner, free from environmental hazards, health and safety of all employees, customers, suppliers and community neighbors and to comply with all applicable safety, health and environmental laws, regulations of country where we conduct business. We want to emphasize that NESCO management is committed to achieving the goals of its environmental policy and ensuring that our facility comply.

INSPIRING  
MOTIVATED  
EMPLOYEES



# Sustainability

At National Electrical System Industries we're dedicated to implementing sustainable, eco-friendly initiatives throughout our manufacturing process and in our offices. We have devised a number of environment friendly initiatives as well recycling measures to reduce the impact of waste on environment in general.

A large, stylized globe with a grid of latitude and longitude lines, rendered in shades of green and blue, occupies the left and center of the page.


To realize this, all of our efforts will be directed to attain the quality objectives that have been defined in accordance with our customer's expectations and our company's vision.

We THINK

We PLAN

We DO





nesco

PARKER  
IONICS

المصنع لتجارة المعدات الميكانيكية  
AL IQAN Mechanical Industry Trading

National Electrical System Industries FZE, is a

# ISO 9001:2015

Certified Company

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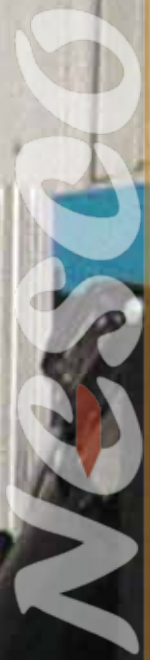
# NESCO Sheet Metal Fabrication

## Proudly Made in UAE

Experience is not inherent. It is a life long process which continues. Added to it is the research and development process which constantly adds more reliability and sustainability to the company.

We constantly hunt for experience and each addition in our team makes it more valuable with the passage of time.



The logo for NESCO is displayed vertically on the left side of the image. It features the word "NESCO" in a white, sans-serif font, with a red and white stylized graphic element resembling a flame or a drop integrated into the letter 'O'.

# NESCO

We Keep Abreast  
with the Latest  
Technological Trends

**Our state-of-the art manufacturing facility spread over 25,000 sq meters is located in prestigious Hamriya Free Zone in Sharjah United Arab Emirates.**

**The factory is equipped with latest machines and ancillary equipments for the most reliable suppliers in the world**

# Our Manufacturing Facility

Designed to operate in a totally automatic and integrated manner, the Salvagnini FMS S4+P4 line optimizes production lead-times and improves workshop logistics, thanks to the flexibility and capability of its proprietary control and programming software which make unmanned "lights-out" production a reality.

Automatic set-up in masked time ensures excellent levels of productivity and makes "batch one" production truly possible. The multi-press head, integrated shear, proprietary software, Punch & Cut function and flexible universal bending tool make kit and unmanned "lights-out" production a reality.





# Our Manufacturing Facility

## **CNC Punching and Cutting**

To achieve maximum accuracy and speed, the world's renowned multi-tool sheet punching CNC system from Finland has been installed, which enables cost-effective and complex engineering solutions



## **Computerized Bending**

Computerized console equipped bending machines are used to ensure the perfect bending angles, minimum tolerance and maximum production speed which enables cost-effective programs and there by engineering solutions.



## **Welding and Grinding**

In addition to conventional welding system, the latest Argon Welding Machines with auto filler feed system and high frequency spot welding system enable us to get optimum performance and speed in completion of tasks



## **Chemical Pre-Treatment**

To get long lasting powder coating and to achieve high quality corrosion resistant surfaces, a 38 meter long pre-treatment tunnel is used to proceed with de-greasing, phosphating, chromating and any other appropriate sheet metal surface treatment. Through this process, we bring out the best in terms of durability and superior finish.



## **Powder Coating**

A static high voltage automatic powder coating multi-gun system from Parker Ionics UK is employed to get maximum flexibility and variety of pre and final coatings. An infrared pre-heating system integrates with a 25 meter diffusion oven with latest temperature controls.





Sheet Metal Enclosures for different IP ratings covering MV & LV panels, Package substations, distribution boards, form 2 to form 4 enclosures, wall mounted & floor mounted enclosures, aluminum single wall & double wall enclosures, Feeder Pillars Enclosures. M.D.B's & S.M.D.B's Enclosures, Telecom Enclosures & Control Desks, Sheet Steel Fabrication & Stainless Steel Works, Special Enclosures & Powder Coating as per requirements.

Our commitment to quality is recognized by our customers throughout the industry. We are committed to operating the quality management system in accordance with the requirements of the international quality system standard ISO 9001:2015 We sincerely hope to walk a long and successful journey with you, serving with our utmost commitments, total loyalty and superior quality of products.



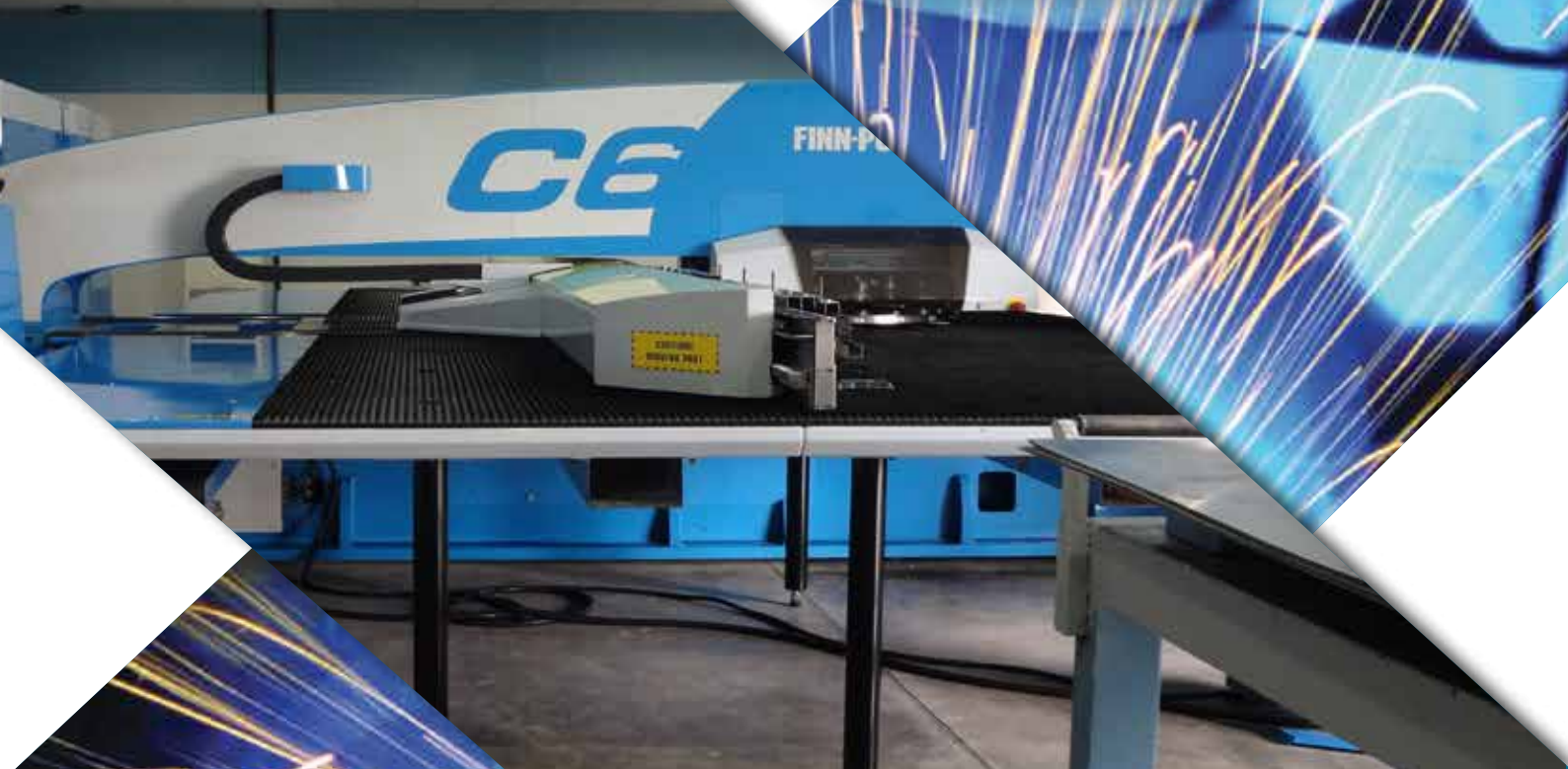
#### **Automatic Gasket and Seals**

A very sophisticated German technology has been utilized to fulfil the need of IP rating of up to IP-67. A linear robot has been installed to accomplish all kinds of sealing tasks.



#### **Robotic Welding System**

ARC welding is an important process of our manufacturing, with our state of the art robotic welding system we provide reliable, low-risk solutions that deliver enhanced quality and productivity suits to the production requirements of our clientele.



The NESCO logo is positioned in the top left corner of the page. It features the word "NESCO" in a bold, white, sans-serif font. A thin vertical line is placed to the right of the text. The background of the entire page is a blue-tinted photograph of a person in a dark jacket and gloves, possibly a welder or technician, working on a large industrial structure. The lighting is dramatic, with strong highlights and deep shadows, creating a sense of precision and focus.

# NESCO

Quality Control At Every Level  
of Production Is Heart & Soul of  
Our Operations

**Excellence in everything we do,  
makes our products reliable and  
long lasting than any other  
competitor's products.**

# Our Products



## Wall Mount Enclosures

Designed and manufactured for various applications, including switchgears and control panels. Custom specifications available. GI, Aluminum and Stainless Steel Construction.



## Floor Standing Enclosures

Manufactured with wide variety of specifications based on individual requirements. The basic being protection of electrical and electronic equipments against harsh, industrial environments.



## Extendable Cubicles

Extendable enclosures have the flexibility of adding up additional components and systems to existing or new systems.



## Metering Cabinets

Standardized according to DEWA and SEWA standards. Custom specifications can be designed and manufactured.



## Distribution Boxes

Safest and most robust protective devices for incoming mains power. Suitable for larger buildings where high numbers of sub-circuits.

We Research and Develop  
Innovative Products and Solutions  
Customised for individual Situations



# Our Products



### HVAC Enclosure

Air filters are important components of HVAC Systems, by reducing the dust load in entry as well as return air loop there is considerable reduction in energy consumption.



### Packaged Sub-Stations

These can either be simple sub-stations with Transformers, or Switchgears or complex systems with multiple components and automation controls.



### Marine Controls

Highly customized designs and specifications, Ergonomic design  
Custom top cutouts for instrumentation



### IT Server Racks

Free Standing Cabinet are produced with emphasis on aesthetic design, flexibility, sturdy construction and protection for networking and various structured cabling components.



Design  
Fabricate  
Excellence

Wall Mount Enclosures

Floor Mount Enclosures

Extendable Cubicles

Distribution Boards

Transformer and HVAC  
Enclosures

Marine Control Desks

IT Infrastructure Cabinets

Custom Specifications





Manufacturing  
With  
Passion





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