



TECHNOLOGIES OF YOUR VICTORY



TECHNOLOGIES OF YOUR VICTORY

WWW.DATSANST.COM



SOLUTIONS FOR MORE
EFFICIENT INDUSTRIAL AND
CONTROL APPLICATION

HEADQUARTER MARDIN, TURKEY

Kiziltepe Mardin Karayolu
6km 47400 Turkey

WORKSHOP DAMMAM

Dammam, 1st Industrial City
26.3878001, 50.1415657

WWW.DATSANST.COM

**DATSAN SPECIAL TRANSFORMERS AS
COMPANY PROFILE**



TECHNOLOGIES OF YOUR VICTORY

WE KEEP AND TRANSMIT VICTORY TECHNOLOGIES FOR OUR CUSTOMERS AND PARTNERS THROUGHOUT THE YEARS!

DATSAN SPECIAL TRANSFORMERS is an experienced Turkish transformer company that provides a wide range of services and electrical equipment. Since 1992 we're a trusted manufacturer that implemented hundreds of projects in different industries. Our high-qualified experts at R&D make our products special and reliable on the market. Datsan Special Transformers individual approach for each project helps us to understand how to satisfy our Customers with the best solution.

CURRENTLY, WE PROVIDE OUR PRODUCTS AND TECHNOLOGIES FOR:


OIL & GAS


HEAVY
INDUSTRY


TRACKING


MARINE
INDUSTRY


DISTRIBUTION
NETWORK

DATSAN SPECIAL TRANSFORMERS is a household name for such regions as the Middle East, Africa, and Asia. We use our extensive expertise and knowledge we gained and still gaining every day for all the products we design and manufacture. Developing new ways and solutions that absolutely fits our Customers makes us a reliable manufacturer that keeps up with the industrial market trends. We meet every challenge like a chance to develop more special and unique ideas together with searching for the best solutions for our Clients.

MISSION AND VALUES

"DATSAN GIVES ITS CLIENTS THE KEY TO A VICTORY INSIDE OF THEIR ACTIVITIES SCOPE"

NAMELY:

- Innovation
- Favorable conditions for partnership
Individual approach to Customers
- High quality
- Technological efficiency

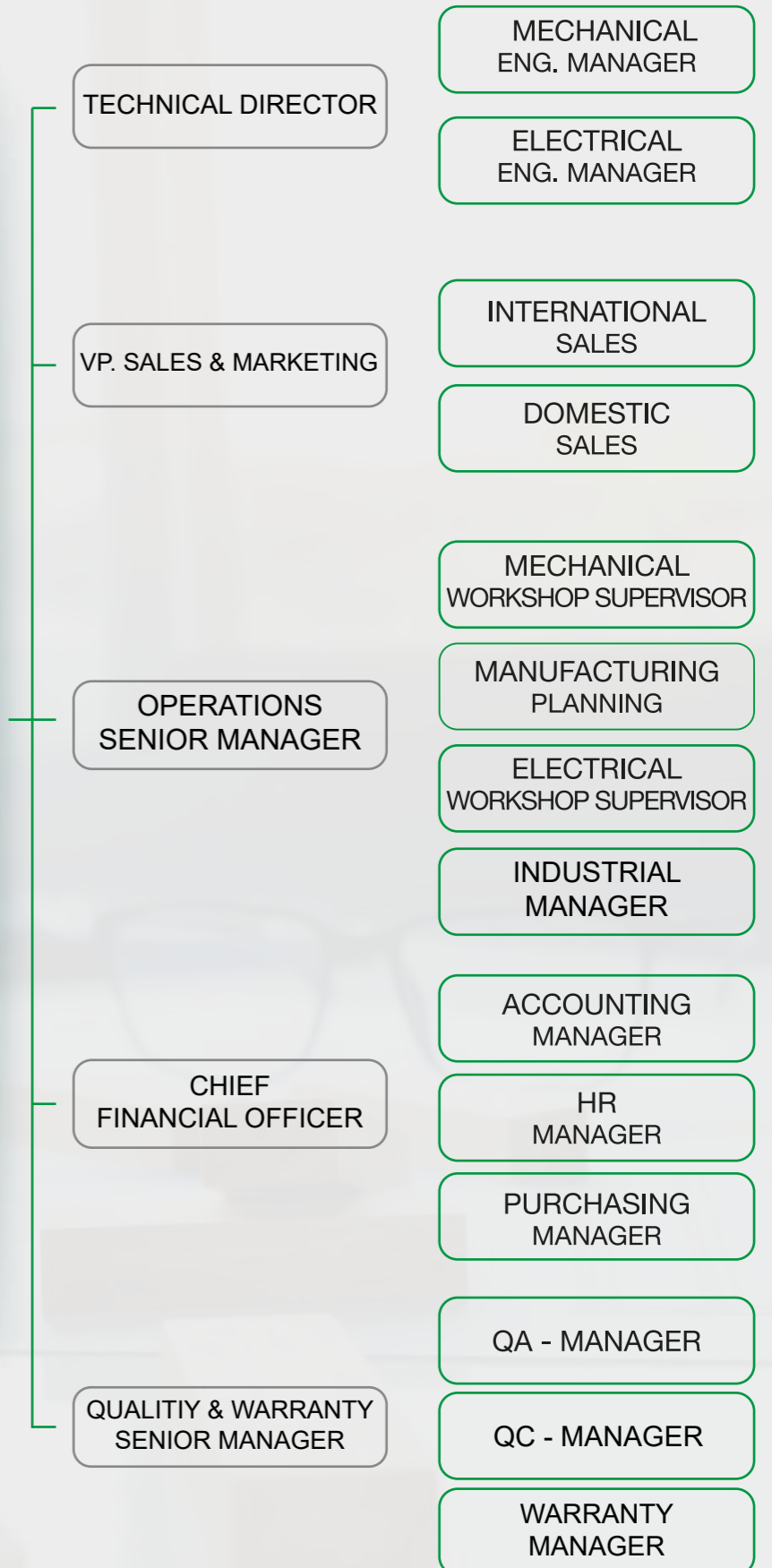
"WE CREATE, KEEP AND TRANSMIT VICTORY TECHNOLOGIES FOR OUR PARTNERS"

HISTORY

- **1992 DATSAN ESTABLISHMENT**
100 m2 Office Engineering Works and Transformer supplier
- **1994 SIGNING THE 1ST CONTRACT**
We have started the construction and production of 33 kV high voltage grid between two cities.
- **1998 TRANSFORMER MAINTENANCE WORKSHOP**
400 m2 Workshop Apprx 8000 transformer had been repaired in next 10 years
- **2000 EXPANSION**
1000 m2 Workshop HV converted to 33 kV in the region
- **2003 TEST LAB RENEWED**
Lab capacity increased to 3000 KVA
- **2005 THE FIRST PROTOTYPE**
First prototype of distribution transformer has been manufactured.
- **2007 TSE IEC 60076 CERTIFIED**
Our transformers have been certified by Turkish Standard Institute according to IEC 60076
- **2009 ISO 9001 CERTIFICATE**
Our system has been upgraded with ISO certificate 9001
- **2012 ERP IMPLEMENTATION STARTED**
We started ERP implementation to improve our quality and management system
- **2016 FACILITY EXPANDED**
Covered Area 2000m2 Opened Area 6000m2
- **2017 NEW FACTORY LAND**
108.000 m2 Land for new factory, New factory under construction.
- **2018 ROBOTIC WELDING**
Developing robotic welding to improve welding quality, reliability and productivity.

ORGANISATION STRUCTURE

PRESIDENT



WHERE WE EXPORT?

SAUDI ARABIA
 SYRIA
 IRAQ
 TURKEY
 GERMANY
 INDIA
 GHANA
 ALGERIA
 NETHERLANDS
 ROMANIA
 USA
 YEMEN
 CANADA
 SUDAN
 ICELAND
 TURKMENISTAN
 LIBYA

DATSAN
 SPECIAL TRANSFORMERS



Datsan Special Transformers

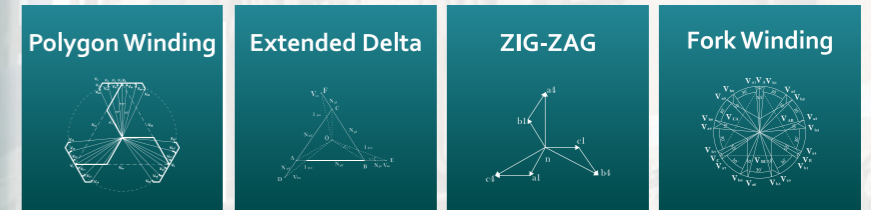
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WHAT AND HOW?

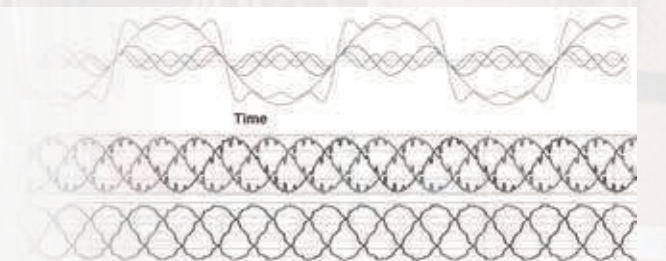
TECHNOLOGIES OF YOUR VICTORY



Datsan Special Transformer Company has established itself as a custom manufacturer of special type transformers. With the exceptionally large and experienced engineering staff, the ability to design to the varying criteria of differing industries, while maintaining short lead times, has positioned the company as a leader in the transformer industry. Our transformers are well designed to suite the special application requirement for regulators, UPS systems, low loss/ high efficiency drives, isolation transformers, and K-factor rated substation transformers.



Within the Special Design transformers, Datsan Special Transformers employs three winding styles based on KVA, voltage and BIL requirements. The ability to select a specific winding style assures the highest degree of mechanical strength under short circuit stress conditions and suitability for different voltage classes. Most transformer companies offer standard engineered products only, and ask the users to make it fit their applications. Datsan Special Transformer however, can engineer the product both electrically and mechanically to fit any given and unique application.



Problems with power quality are not, and should not remain, mysteries. Although these problems are not always easy to identify and sometimes expensive to investigate, once they are identified and resolved a very high degree of reliability can be restored to a power system. Datsan Special Transformers can help you in providing the best product transformers operates with 12 pulse, 18 pulse, 24 pulse, and 36 pulse transformers

MULTIACTIVE TRANSFORMERS

DATSAN SPECIAL TRANSFORMERS cultivates new methods and ways for our Partners and Customers to succeed by implementing our products. Every day we're searching for the best solution that the industrial world hasn't seen before. We can proudly call our new development a unique technology a Multiactive transformer. This type of transformer is a perfect match for those who value the space and need to optimize it for enhousing several transformers in one enclosure for oil & gas, industrial, marine and tracking industries.

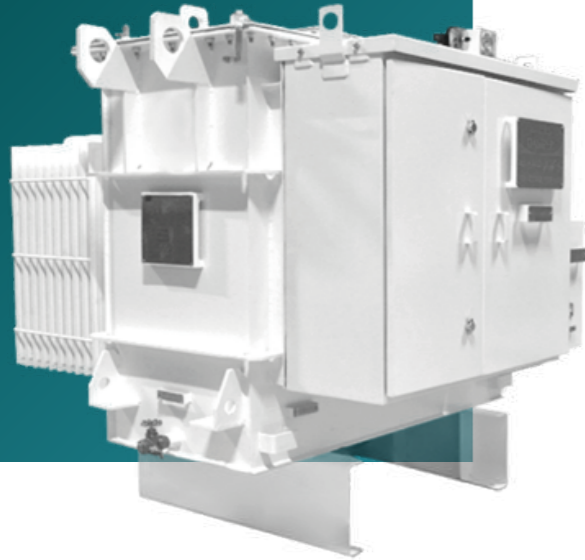


Energy transmission is a complex process and DATSAN GENERATOR TRANSFORMER happens to be the main component for its successful performance. Generator transformers play a vital role in boosting the high-capacity electricity produced by the generator and transmitting it to the grid. They have a long track record in large-scale power sources such as nuclear, fossil fuel, and gas turbine generation. Our transformers meet the needs of utility, industrial and commercial Customers.



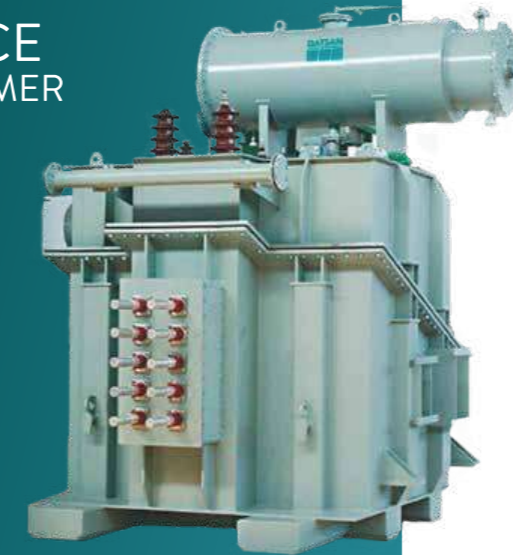
GENERATOR TRANSFORMERS

STEP UP TRANSFORMERS



Oil production industry is a big platform for a manufacturer like Datsan Special Transformers to deliver new technologies. ESP system is an efficient and cost-effective way for oil production that is intended to deliver a wealth of fluids volume. VSD enables the operator to control ESP performance and changes the motor speed that installed at the bottom of the well, by making frequency changes. VSDs output voltages are lower than those required by ESP system for optimal operation. Also, VSD varies depend on well characteristics, its waves contain harmonics and consequently, it's not possible to use a conventional transformer.

FURNACE TRANSFORMER



DATSAN SPECIAL TRANSFORMERS offers various types of furnace transformers such as arc and ladle furnace transformers. The electrical air furnace application is limited only for melting and refining, but the ladle furnace transformers are used in refining molten steel. The ladle transformers voltage range is lower than arc furnace. The furnace transformer thus has special features to handle high currents compared to conventional transformers.

PHASE SHIFT TRANSFORMERS

DATSAN SPECIAL PHASE SHIFTING TRANSFORMER is an integral element in the oil production process that has been specifically designed for the connection of variable speed drives used in ESP to the electric power distribution grid. Having immensely talented and high qualified personnel, we design and manufacture PST for any type of variable speed drives, resulting in an ideal fit that meets all the technical and economic needs of the oil industry. The Phase shift transformer can be also supplied with a step down voltage in the primary winding that's designed for connection to power sources with voltages of 34.5kV, 13.8kV, 13.2kV, 4.16kV, 0.48kV or simple phase shift the angle with same voltage class from input to output.



Power transformer is a kind of transformer, that is used to transfer electrical energy in any part of the electrical or electronic circuit between the generator and the distribution primary circuits. These equipment we provide for distribution systems to interface step up and step down voltages. Power transformers from Datsan Special Transformers hold a low voltage and high current circuit at one side of the transformer and vice versa on the other side. Datsan Special Power transformers divide the power system into zones where every gear connected and sized per the ratings set by the power transformer.

POWER TRANSFORMERS



QUALITY & TESTING

All Datsan Special Transformers products are designed in accordance with IEC, CE, ANSI, NEMA standards together with Customers' requirements and needs.

We are proud to be a certified manufacturer that has its own vision and individual approach to each and every project.

Starting from the top management, we involve all employees in the process setting the goal of continuous improvement of products and processes. The full cycle of product development from an idea to implementation is performed under meticulous scrutiny. Our professionals take all the responsibility step by step to receive the results that meet all of the Customers' requirements.

For Datsan Special Transformers, quality means not only the product but also the prevention of damage to the environment as much as possible:

- Fewer carbon emissions, more efficient use of resources - these are the factors we reckon to be important.
- We conduct routine, type and other special tests to check and improve the quality of our equipment. Our Customers can easily check products test results online.



ROUTINE TESTS

- Measuring of turn ratios and vector group
- Measuring of winding resistances
- Measuring of insulation resistances
- Measuring of no load losses
- Measuring of load losses and impedance
- Applied voltage test
- Induced voltage test

TYPE TESTS

- Short circuit withstand test
- Impulse voltage test
- Temperature rise test
- Sound level test

OUR CERTIFICATE

TCS
Attestation of Conformity

Holder Of Certificate (Sertifika Sahibi) : DATSAN SPECIAL TRANSFORMERS SAN. TIC. VE A.Ş.

Manufacturer (Üretici) : DATSAN SPECIAL TRANSFORMERS SAN. TIC. VE A.Ş.

Address (Adres) : Turgut Özal Mah. Mardin Cad. No.476/A Kızıltepe- MARDIN / TÜRKİYE

Trade Mark (Ticari Marka) : DATSAN SPECIAL TRANSFORMERS

Product (Ürün) : Yağlı Tip Trafo (Oil Immersed Transformer)

Base Of Attestation (Onay Dayanağı) : BÜSTYAL LVD Test Report With R.0006-14 Number

Related Standards (İlgili Standartlar) : TS EN 60076-5:2007

This Attestation of Conformity is issued on a voluntary basis. The Technical Construction File of the above product presented by manufacturer complies with principle protection requirements referred to the Low Voltage Directive 2014/35/EU. It refers only to the products in TCF submitted to TCS for certification / Bu uygunluk onayı gönüllük ilkesiyle verilmiştir. Üretici tarafından sunulan yukarıdaki ekipmana ait teknik dosya 2014/35/AB Belirli Gerilim Sınırları için Tasarlanan Elektrikli Ekipman ile ilgili Yönetiminde bahsedilen koruma prensiplerine uygundur. Bu sertifika sadece TCS'ye belgelendirme için sunulan Teknik Dosya'da belirtilen ürünlere atfı yapar.

Manufacturer will inform TCS International Certification about every modification that can affect safety of equipments /İmalatçı TCS Uluslararası Belgelendirme'ye üründe yapacağı güvenliğe etki edebilecek tüm değişiklikleri bildirecektir.

Sertifika No / Certificate No : C-21-100-041-01-00

Sertifika Tarihi / Certificate Date : 05.08.2021

Son Basım Tarihi / Issue Date : 05.08.2021

Geçerlilik Tarihi / Expiry Date : 05.08.2026

APPROVAL / ONAY

Ekre ÖZKARŞ

General Manager / Genel Müdür

After preparation of necessary technical documentations as well as the conformity declaration according to requirements of related directives above, matching the requirements of the directive will be realized and the required CE marking as shown below can be affixed on the product. Other relevant directives have to be observed.

/ Gerekli testler gerçekleştirildikten ve teknik dosya, uygunluk beyanında belirtilen gerekliliklere göre hazırlandıktan sonra yönetmelikle tam uygunluk gerçekleştirilecektir ve aşağıda belirtilen şekilde olan CE işareti ürün üzerine işlenebilir. Diğer ilgili yönetmelikler de dikkate alınmalıdır.

CE

Barbaros Mah. Halk Cad. Kent Sokak No: 10 Ataşehir / İSTANBUL
T: 0216 573 55 53 F: 0216 573 88 01 info@tcs-cert.com www.tcs-cert.com
Bu belge müşterinin TCS prosedürlerine uyduğu sürece geçerlidir.



This is to certify



Datsan Special Transformers
San. Ve Tic. A. Ş.

Turgut Ozal Mh. Mardin Cd. Datsan-Datsan Special Blok No:440/2
Kızıltepe / MARDIN
TURKEY

Has been assessed by UKS and found to be in compliance
with the following standard

TS EN ISO 9001:2015

The Quality Management System is applicable to;

Manufacturing Transformers Which Is Specially
Designed By Customer Needs

Category / Sub Category : ---
Certificate No : MSQ-0033
Certificate First Issue Date : 25th February 2019
Decision Date : 11th April 2022
Certificate Issue Date : 27th February 2023
Expiration Date : 24th February 2024

This document remains the property of UKS Certification Rules and
in case of success in the surveillance audits to be carried out at least once a year
The document is valid for 3 years from the date of the first publication.
PPL 2015 Rev. 01.05.2019 Rev. 01.05.2020 Rev. 01.05.2021 Rev. 01.05.2022 Rev. 01.05.2023



General Manager



OUR CERTIFICATE



This is to certify



Datsan Special Transformers Sanayi Ve Tic. A.S.

Turgut Ozal Mh. Mardin Cd. Datsan-Datsan Special Blok No:440/2
Kiziltepe / MARDIN
TURKEY

*Has been assessed by UKS and found to be in compliance
with the following standard*

TS EN ISO 14001:2015

The Environmental Management System is applicable to;

**Manufacturing Transformers Which Is Specially
Designed By Customer Needs**

Category / Sub Category : ---
Certificate No :MSE-0027
Certificate First Issue Date :15th April 2019
Decision Date :15th April 2019
Certificate Issue Date :11th April 2023
Expiration Date :14th April 2024

This document requires the firm to comply with UKS's Certification Rules and
in case of success in the surveillance audits to be carried out at least once a year
The document is valid for 3 years from the date of the first publication.
FR.73/Issue Date:01.05.2019/ Rev. Date: 17.05.2022/Rev. No:06



General Manager



UKS Uluslararası Kalite Sistemleri Ve Belgelendirme Ltd. Şti.
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www.uksbelgelendirme.com.tr

Belgenin geçerlilik durumu <http://www.uksbelgelendirme.com.tr> adresinden kontrol edilebilir.

OUR CERTIFICATE



This is to certify



Datsan Special Transformers San. Ve Tic. A. S.

Kiziltepe Mardin Karayolu 6.Km 47400
Kiziltepe - MARDIN
TURKEY

*Has been assessed by UKS and found to be in compliance
with the following standard*

TSE ISO/ TS 29001:2020

*The Petroleum, Petrochemical and Natural Gas Industries
Quality Management System is applicable to;*

Manufacturing Transformers Which Is Specially Designed By Customer Needs

Category / Sub Category : ---
Certificate No :PPI-0002
Certificate First Issue Date :24th June 2020
Decision Date :24th June 2020
Certificate Issue Date :12th April 2023
Expiration Date :23th June 2024

This certificate is valid for 3 years after first certification or re-certification decision date,
in case of, firms to comply with UKS's Certification Rules and be successful in the
surveillance audit made at least once a year.
FR.73/Issue Date:01.05.2019/ Rev. Date:14.03.2019/Rev. No:04.



General Manager



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OUR CERTIFICATE



Datsan Special Transformers Sanayi Ve Tic. A.S.

Turgut Ozal Mh. Mardin Cd. Datsan-Datsan Special Blok No:440/2
Kızıltepe / MARDIN
TURKEY

Has been assessed by UKS and found to be in compliance
with the following standard

ISO 10002:2018

The Quality Management -Customer Satisfaction System is applicable to;

Manufacturing Transformers Which Is Specially
Designed By Customer Needs

Category / Sub Category : ---
Certificate No :MSC-0003
Certificate First Issue Date :06th May 2019
Decision Date :06th May 2019
Certificate Issue Date :11th April 2023
Expiration Date :05th May 2024

This document requires the firm to comply with UKS Certification Rules and
in case of customer or the non-compliance needs to be certified and valid once a year.
This document is valid for 3 years from the date of the first publication.
PKT/Issue Date:01.08.2019 Rev. Date:17.03.2023Rev. No:08

Genel Müdür



www.uksbelgelendirme.com.tr
Belgenin geçerlilik durumu: <http://www.uksbelgelendirme.com.tr> adresinden kontrol edilebilir.

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Datsan Special Transformers San. Ve Tic. A. S.

Turgut Ozal Mh. Mardin Cd. Datsan-Datsan Special Blok No:440/2
Kızıltepe / MARDIN
TURKEY

Has been assessed by UKS and found to be in compliance
with the following standard

TS ISO 45001:2018

The Occupational Health And Safety Management System is applicable to;

Manufacturing Transformers Which Is Specially Designed By Customer Needs

Category / Sub Category : ---
Certificate No :OHS-0053
Certificate First Issue Date :06th May 2019
Decision Date :06th May 2019
Certificate Issue Date :11th April 2023
Expiration Date :05th May 2024

This certificate is valid for 3 years after that certificate is re-certification between date
in case of firm to comply with UKS Certification Rules and in accordance with
standards made once a year.
PKT/Issue Date:01.08.2019 Rev. Date:17.03.2023Rev. No:10



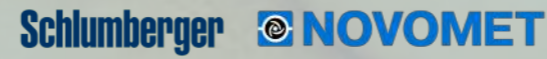
General Manager



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OUR REFERENCES AND PARTNERS



#	Client	Country	Year
1	Shell Co.	Syria	2009 - 2010
2	Al-Furat Petroleum Company	Syria	2011
3	Alkhorayef Petroleum Co.LTD.	Saudi Arabia	2015 - 2017
4	Alkhorayef Petroleum Co.LTD.	Iraq	2018
5	Alkhorayef Petroleum Co.LTD.	Sudan	2018
6	PERENCO	Turkey	2018
7	Oil Dynamics GmbH	Germany	2019
8	SCHLUMBERGER	Turkey	2019
9	PERENCO	Turkey	2019
10	SCHLUMBERGER	Turkey	2019
11	NOVOMET FZE	India	2019
12	NOVOMET FZE	India	2019
13	PERENCO	Turkey	2019
14	NOVOMET FZE	Iceland	2020
15	Cent Energy	Gana	2020
16	NOVOMET FZE	Algeria	2020
17	NOVOMET FZE	India	2020
18	Borets International FZE	Turkey	2020
19	NOVOMET FZE	India	2020
20	NOVOMET FZE	Iraq	2020
21	Borets International FZE	Turkey	2020
22	NOVOMET FZE	Iraq	2020
23	New Lift Solutions B.V.	Netherland	2020
24	Borets International FZE	Turkey	2021
25	SCHLUMBERGER	Turkmenistan	2021
26	NOVOMET FZE	Iraq	2021
27	SCHLUMBERGER	Turkey	2021
28	NOVOMET FZE	Iraq	2022
29	SCHLUMBERGER	Romania	2022
30	NOVOMET FZE	Iraq	2022
31	HD ehf	Iceland	2022
32	SENSIA ROCKWELL AUTOMATION + SCHLUMBERGER	USA	2022
33	PetroMasilla	Yemen	2022
34	NOVOMET FZE	Iraq	2022
35	LBC	Libya	2022
36	NOVOMET FZE	Canada	2022

TECHNOLOGIES OF YOUR VICTORY