



DAELIM BELEFIC

DAELIM PROJECT IN USA

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01.

Customer Background



1. Professional
2. Experienced
3. Tech-ish
4. Teambased

An Overview

The customer is an electricity distributor, for switchgear and industrial, power distribution etc. Texas, USA Company offering electrical engineering, oil & gas, bitcoin mining in business for over 30 years.



CUSTOMER CONCERNS:

The customer DAELIM had contacted them proactively and left a deep impression on them, and later received an inquiry from them. DAELIM serves customers through a professional team and gains the trust of customers.

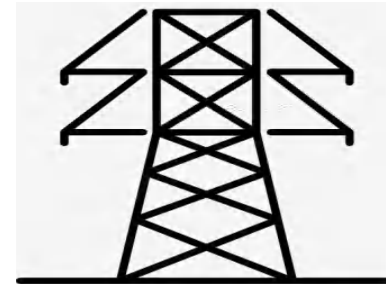


1.The supplier is a manufacturer?

DAELIM: We are a professional IEC,ANSI/IEEE, CSA and AS standard transformer manufacturers. We accept any third party to audit factory.

2.They can provide faster delivery time than our previously supplier?

DAELIM: For normal transformers, our standard production time is 4-6 weeks, for customized transformer, our fastest production time is 6-8 weeks.



3.They can meet the T&D or products requirements?

DAELIM: We have a professional tech and production team. Our team can do transformer customized design and production as per customer requests.

4.They can meet our countries standard?

DAELIM: Our engineering team consists of many experienced experts. They are very professional and familiar with international standards.

5.How about their transformers price?

DAELIM: Because our factory located in the transformer base in China, we have well raw material supply chain. So we can always provide the competitive price to our customers.

6.They have experience in my country?

DAELIM: We are exported more than 30 countries around the world. And we are happy share our project case for our customer reference.

02.

Project Case 1

The challenge:

POWER TRANSFORMER

CUSTOMIZED

TIME SCHEDULE

INSPECTION
& FAT

Location: Texas, USA

Mining transformer

Quantity: 40+5 units

voltage ratings: 2,600kVA, 34,500V 416/240V

1,000KVA, 34,500V -480/277V

We provided our customer with the most professional and patient design work based on their specifications and dimensions.

The Bitcoin mine in TEXAS, USA requires a batch of transformers. The customer wants to receive this batch of transformers as soon as possible. After receiving the PO, we have confirmed the final drawings with the customer multiple times and completed production within the time requested by the customer. The customer is very satisfied.

After the transformer is completed, we will conduct a test and provide a test report to the customer for feedback on pictures and videos, which comply with IEEE standards.

DAELIM SOLUTIONS:

Understanding customer needs, solving customer problems, quality control, customer confirmation, DAELIM provides technical support.

1. TRUST

We strictly follow the customer 's requirements for quotation and design. After multiple technical confirmations and email exchanges, we have won the trust of the customer and made the final design perfectly suitable for the bitcoin mining transformer .

2. Make a good production plan

DAELIM's management pay much attention to the needs of customers, and has communicated with the production team and our supplier team for many times. The workers worked overtime to ensure the delivery of the customer requests.

3. INSPECTION & FAT

In order to make sure every parts are perfect, we think out the solution with our clients, to arrange online live show and the client dominated third party center to come to our factory for inspection.



TRANSFORMER DETAILED PICTURES

DAELIM engineers and production team pay much attentions for each details of customer requirements.





TRANSFORMER TESTING

1. Ratio, polarity and phase relation tests
2. Winding resistance measurement tests
3. Insulation power factor
4. Full wave and reduced wave impulse test
5. Applied and Induced potential tests
6. No-Load losses at rated current
7. Total losses at rated current
8. Percent impedance at rated current
9. DGA test
10. Leak test
11. Control cabinet test

DAELIM completed all the FAT tests under IEEE standard and UL requirements.



TRANSFORMER PACKING AND SHIPPING

DAELIM is packaged in wooden boxes with stability to ensure the safety of the transformer during transportation. Provide customers with fast transportation so that the quality is good upon receipt.





TRANSFORMER AT SITE

The customer provided us with feedback on the pictures and installation pictures of the transformer after receiving it.



03. Project Case 2

Single phase pad mounted transformer Project

The challenge:



ITEMS



DELIVERY TIME



CUSTOMIZED

Location: USA

Quantities: 215 sets

Description: Single phase pad mounted 25kva & 50kva

This project has 215 transformers, has 2 items. One item has 175 units, the other item has 40units. Daelim provided the production drawings within four weeks.

Due to the project needs of end users, the production time of transformer is only 90 days. But DAELIM 's production line is full at that time because other customers order.

The single-phase transformer needs to meet the standards of IEEE, and the design of transformer parts and marks of transformers need to customize production.

DAELIM SOLUTIONS:

Understanding our customer needs allows us to make critical must-be-made decisions directly related to their needs.

1. Fast submit the drawing

In order not to affect the delivery time, DAELIM engineer team successfully delivered within three weeks.

2. Make a good production plan

DAELIM's management pay much attention to the needs of customers, and has communicated with the production team and our supplier team for many times. The workers worked overtime to ensure the delivery of the customer requests.

3. 100% meet the standard requirements

Our team of engineers studied the IEEE Standard carefully. DAELIM designed and produced them according to it. We have rich experience in the single phase pad mounted transformer, but we still confirmed the technical details with customer one by one.

TRANSFORMER TESTING

1. Ratio, Polarity, and Phase Relation
2. Resistance
3. Applied Potential
4. Induced Potential
5. Loss Test
6. Leak Test
7. Operation tests of all devices



When finish the production, DAELIM did above FAT tests for each transformer one by one, and submit the testing report in time.

TRANSFORMER PACKING AND SHIPPING

For single phase pad mounted transformer, we used the wooden frame structure, so it will safe and stable



TRANSFORMER INSTALLATION

Finally, after three months of production and one month of shipping, 357 sets transformers finally reached the customer's location. Relevant tests were carried out before the customer put into operation, and all the transformers produced by DAELIM met the technical requirements of the customer.



TRANSFORMER AT SITE



USA UTILITIES



04. Project Case 3

The challenge:

Three phase power transformer Project



This power transformer is a KNAN/KNAF/KNAF design, it not so many case for vegetable oil used in such high voltage in China.



It is a seal in tank design. Also need oil preservation system.



This transformer is around 60 tons, and the shipping weight over 50tons, so it a challenge for sea shipping.

Location: Nevada,USA

Quantities: 1 sets

Description: 230/24.94KV
10/12.5/15MVA

DAELIM SOLUTIONS:

An experienced and efficient communication engineer, purchasing and sales team to connect with customers.

1. Professional communication

From transformer design to production, DAELIM's engineers and our partners with customers have repeatedly communicated with each other on the requirements of transformer standards, parameters and accessories to ensure that they meet the requirements of IEEE.

2. Customized design as per special requirements

Based on years of experience in the IEEE/ANSI standard overseas market, DAELIM's power transformer engineer team has improved and optimized our existing oil tanks and paint processes to meet the special technical requirements of customers.

3. Business support team assistance

DAELIM's business support team has closely collaborated with the customer's logistics team. We always pay attention to every detail of sea and land transportation, and monitor the entire transportation process through the installation of impact recorders. Ultimately, the transformer is safely transported to the site.



TRANSFORMER PRODUCTION PROCESS





TRANSFORMER TESTING

1. Ratio, polarity and phase relation tests
2. Winding resistance measurement tests
3. Insulation power factor
4. Full wave and reduced wave impulse test
5. Applied and Induced potential tests
6. No-Load losses at rated current
7. Total losses at rated current
8. Percent impedance at rated current
9. DGA test
10. Leak test
11. Control cabinet test

This transformer passed all the test as per IEEE C57.12.00 and IEEE C57.12.90 at one time.





TRANSFORMER SHIPPING AND INSTALLATION



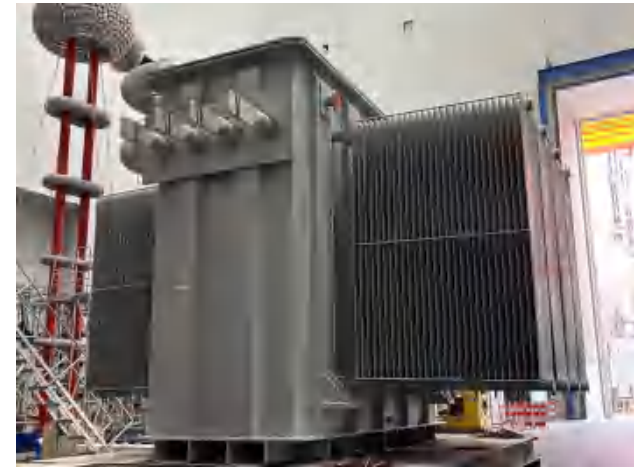


TRANSFORMER SHIPPING AND INSTALLATION

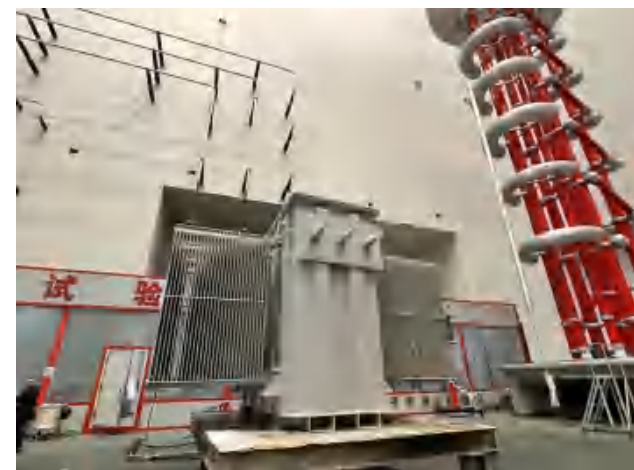


05. Other Project Show

SMALL SUBSTATION TRANSFORMER PICTURES



25KV 20MVA UL
CERTIFICATED



PAD MOUNTED TRANSFORMER PICTURES

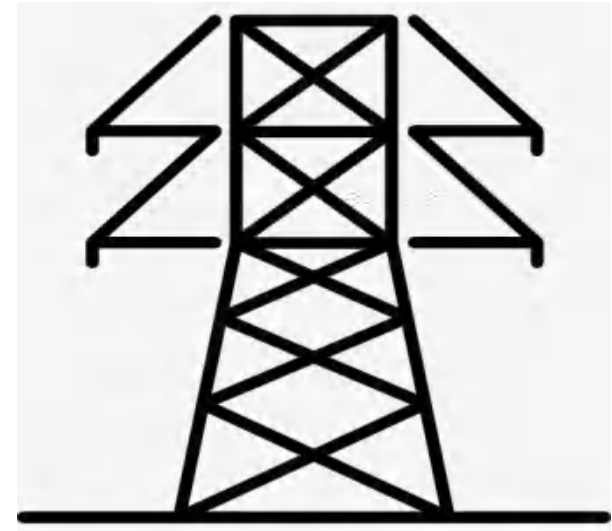


25 UNITS 1750KVA FOR
USA OIL INDUSTRY



06. Customer Comments

Customer Say:



Testimonials

We not only purchased transformers from Daelim but also experienced their high-quality service and quick response. Their team of engineers to be very professional, as was their sales staff! We thank Daelim's team for providing us with a very good design and fast delivery time. Not only did they help us save time, but they also helped us save costs, and they really helped our business a lot. Thanks again.

07 . About DAELIM

DAELIM Introduction



1. **R&D Capabilities:**

They have strong R&D team and they have more than 20 years of transformer design experience and are familiar with lots of international transformer standards, such as IEC, IEEE / ANSI, CSA, etc. The technical team of DAELIM are experts, electrical engineers, CAD first-class draftsmen, etc. They also use the latest technology, machines and other modern facilities to produce transformers, but meanwhile DAELIM transformers are made of qualified standard materials which meets the standards of world-renowned suppliers through international procurement as well.

2. **Quality Control:**

Quality is one of the core value of DAELIM. FAT, Type and third party inspection test are provided for quality and they tend to provide the best to its clients that's why they strictly implement the ISO 9001 quality management system.

3. **Company Certifications:**

ISO 9001:2008 UL/CUL certification CSA certification CESI certification CNAS certification SGS certification

4. **Professional team:**

The Daelim team is full of experts and professional, this helps them to solve the customers' problems quickly. All the DEALIM team had systematic training and is committed to continuous improvement by the quality guidelines and practices. Their dedicated customer service, product innovation, engineering excellence and strong social & environmental responsibility sense have made them to become a valued & trusted power solutions partner for globe electric industry.

DAELIM Introduction



- **5. Brand:**

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS:

- A. ABB/Hitachi
- B. Eaton/Cooper Power Systems.
- C. Delta Star.
- D. General Electric.
- E. Kuhlman.
- F. Pauwels.
- G. Square D.
- H. Virginia Transformer.
- I. Sunbelt
- J. **Daelim Belefic**





DAELIM BELEFIC

Thank you