



Eesti Energia is a state-owned international energy company that operates in the electricity and gas markets of the Baltic countries, Finland, Sweden and Poland, also in the international liquid fuels market.

We offer energy solutions that include electricity, heat and fuel production, sales and customer service and other energy services. Our unique experience and technology in relation to processing oil shale and energy production are held in high regard around the world.

Our values

BENEFICIAL FOR THE CUSTOMER

GROWING VALUE

FROM COMPLEXITY TO SIMPLICITY

DEPENDS ON ME

SAFETY FOREMOST



History:

1959 - Eesti Energia power plant repair works

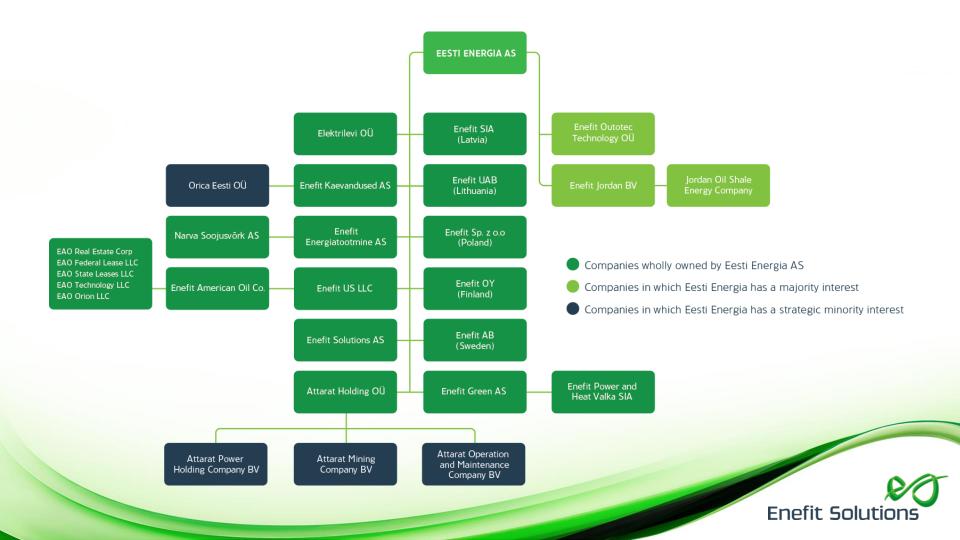
1963 - Eesti Energia maintenance and repair works

2000 - AS Energoremont, manufacture of metal structures and maintenance of power plant equipment

2009 - Eesti Energia Tehnoloogiatööstus AS

2016 - Enefit Solutions AS, including Testing Division, Maintenance Division





Enefit Solutions is an industrial project solutions company with a parent company Eesti Energia















1960's

Quarry equipment repair, first metal structures

From 1990's First foreign projects

From 1959

Large-scale general overhauls of oil shale fuelled power stations

From 1945

Mining equipment repair and maintenance experience

2014

Offshore components

2018–2019

Stainless steel processing

2019–2020 Scrubbers



Compliance with standards

ISO 9001

ISO 14001

OHSAS 18001

ISO 10 006

EVS-EN 3834

EVS-EN 1090

EXC 2, EXC 3

EN-ISO 17025

EVS-EN ISO/IEC 17065: 2012

EVS-EN 17024 EN-ISO 17025



Enefit Solutions provides a full service from design to operation



R&D, engineering



Manufacture, steelwork supply



Erection, installation



Maintenance



Project management

Technical control and supervision

Manufacture of equipment, steelwork supply



Industrial equipment

Air and flue gas ducts, cyclones, fans, ash and slag removal machinery, water purification stations and their filters, heating surfaces of boilers, manifolds and piping, conveyors and more.

Environmental equipment

Bag filters, electrostatic precipitators, cyclones, scrubbers and more.

Mining equipment

Crushers, conveyors, production lines, hoppers, screens, boring machines, rigs, feeders, elevators, shunting devices, caterpillars, mobiile crushing equipment for Metso Minerals and more.

Metal structures

Tanks, containers, pressure vessels, transportation frames, steel structures and more.

Our main clients







































Recently completed projects



SMS Group - Iceland – hoppers and gas ducts, Apr 2017 - 121t





Manufacturing / reconstruction of fuel tanks - june 2017 – 47t



Reconstruction of heat exchangers - Enefit 140 – Sep 2017



Helios conveyors (SWE) - 442t - august 2016 - 2018



Gas ducts for TEES Plant (UK) ca 730t – Jan 2017 – May 2018







Construction services







Testing Division

Checking and expert assessment of metals and welds, certification of welders and issuing of worldwide recognised certificates. Our centre has been accredited by the Estonian Accreditation Centre according to standards EN ISO/IEC 17025, EN ISO/IEC 17024. We can carry out works both at the Enefit Solutions testing centre as well as at client's location as a mobile service





Enefit Solution

Services

- Non-destructive and destructive testing of metals and welds
- Certification of welders and welding equipment operators

Testing division of Enefit Solutions is recognized as a Notified Body within the framework of the Pressure Equipment Directive 2014/68 (EU) and certifies welders according to the requirements of this directive.



Maintenance division

Maintenance services are provided by an experienced team at Enefit Solutions, who can also satisfy large orders and respond quickly to emergencies. We repair, assemble and maintain various electrical installations and industrial equipment:

- electric motors (all output levels)
- electrical equipment and drives
- automation equipment
- transformers
- · mechanical components
- feeding systems (conveyors, mills and the like)
- pipeline transportation systems (liquid and dry)

In addition, we provide cleaning of industrial equipment using pressure washers, clearing of settling basins and port areas, and calibration, adjustment and repair of various measuring instruments.











Electrical and Automation assembly

- Automatic control systems
- Management schemes of electric devices of shut-off valves
 - Temperature and pressure measuring equipment
 - Thermal-controlled protections and alarms
 - Synchronous generators
 - High- and low-pressure electric motors
 - Oil- and dry-power transformers with voltage of up to 330 kV
 - Devices for chemical inspection and analysis
 - Power supply systems of industrial enterprises
- · Maintenance of devices for chemical analysis and gas analyzers
 - Design, installation, maintenance and repair of electrical and automation equipment







Electrical and Automation assembly

Installation, Maintenance and Reconstruction











Larger recent and current projects

Enefit 280 Shale oil plant in Estonia Biofuel handling system to Narva Power plant Ash removal system for the new Auvere Power plant Instrumentation installations for Eesti Energia Oil Industry

Section 92H, 93H, 94H renovation for Eesti Energia Oil Industry

Replacing the temperature control on the Narva Power plant boiler units 1, 5, 6

Design of power supply and control system for reserve fuel handling complex of Eesti Energia Oil Industry

Estlink-2, Anttila Estlink-2, Püssi

Renovation of the pulp pumps in the pumping stations nr. 3 and nr.4 for the Narva Power plant

7,1 km underground conveyors for the Estonia Mining Company
New stacks and gas ducts for the Narva Power plant
Automation installation DeNOx Block 3AB, 4AB, 5AB, 6AB
Instrumentation and electrical installation block 3, 4, 5, 6
Narva Power plant TG 3 Replacing the measuring system of the mechanical values
and vibration





Industrial Automation Department

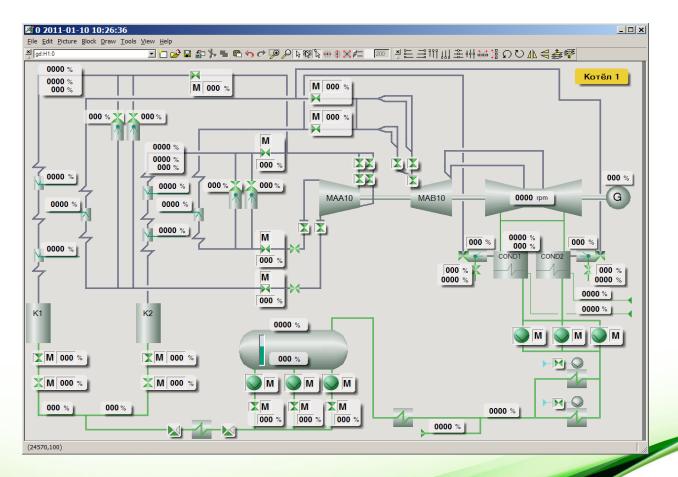
Automation department offers installation, repair and maintenance services for the following automation equipment:

Automatic control systems

Control circuits for electric drives for shut-off valves

Temperature and pressure measurement equipment







AKREDITEERIMISTUNNISTUS ACCREDITATION CERTIFICATE

SA Eesti Akrediteerimiskeskus kinnitab käesolevaga, et Estonian Accreditation Centre hereby confirms that

ENEFIT SOLUTIONS AS

Malmi 8, Jõhvi Registrikood / registry code 10633284

vastab EVS-EN ISO/IEC 17025:2006 nõuetele kui kalibreerimislabor conforms to the requirements of EVS-EN ISO/IEC 17025:2006 as calibration laboratory

röhu, temperatuuri ja elektriliste mõõtevahendite valdkonnas in the field of the pressure, temperature and electrical measuring instruments

Akrediteerimisulatus on esitatud tunnistuse lisas The scope of accreditation is specified in the annex

Tunnistuse number: K020

Akrediteering kehtib kuni: 19.06.2019

Tallinn, 01,12,2017

Kristiina Saarniit Juhataja / Director

Tunnistus on välja antud seoses EAK uue laga kasutusele võtuga This certificate was issued due to the introduction of EAK new laga

Tunnistaya kahtinust ja alvaditaerimisalatust soob kantallaka K.V. vaabilahalt sevev, aak ze.
Validity of his certificate and accreditation scope on he betikeski faran tile EAX web bilahalt seve aak ze
EAX on ühinanud Euroopa Akoediteerimiskoostilo oraganisatsiooni (EA) Affirmepoolse Lenjanguga selle valdkonna akrediteerimiskos



AKREDITEERIMISTUNNISTUS ACCREDITATION CERTIFICATE

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ENEFIT SOLUTIONS AS

Malmi tn 8, Jõhvi linn, Ida-Viru maakond Registrikood / registry code 10633284

vastab EVS-EN ISO/IEC 17025:2006 nõuetele kui katselabor

conforms to the requirements of EVS-EN ISO/IEC 17025:2006 as testing laboratory

elektripaigaldiste mõõtmise nina elektriseadmete katsetamise valdkonnas

in the field of measurement of electrical installations and testing of electrical equipment

Akrediteerimisulatus on esitatud tunnistuse lisa(de)s
The scope of accreditation is specified in the annex(es)

Tunnistuse number: L274

Number of certificate

Akrediteering kehtib kuni: 29.03.2021

Accreditation is valid until

Tallinn, 10.07.2018

Kristiina Saarniit Juhataja / Director

nnistus on välja antud seoses EAK uue logo kasutuselevõtuga This certificate was issued due to the change of the logo of EAK

Tunnistuse kehtivust ja akrediteerimisulatust saab kontrollida EAK veebilehelt www.eak.ee

EAK on ühinenud Euroopa Akrediteerimiskoostöö organisatsiooni (EA) Milmepoolse Lepingaga selle valdkonna akrediteerimiseks EAK is a signaton of the European co-operation for Accreditation (EA) Multilateral Agreement for accreditation in this field

Temperature Calibrator AMETEK

- The PTC Series features an active dual zone temperature control which provides excellent temperature homogeneity in the well.
- Temperature range from -90 to 660°
- Accuracy to ± 0.06°C and Stability to ± 0.01°C



Calibration tools Beamex

The MC5 is a documenting, multifunction calibrator that has calibration capabilities for pressure, temperature, electrical and frequency signals.

- CMX Calibration Software
- Software-based calibration management
- Create, manage and store calibration data efficiently
- Automate calibration work from start to finish
- Paperless calibration data management
- Regulatory compliance (e.g. ISO 17025, ISO 9001) MS (e.g. SAP®, Maximo®)
- Temperature bath / Pressure controller



Enefit Soluti

ElektrilaborMontaaž, seadistus, hooldus.

- Sekundaarelektrisüsteemide montaaž, hooldus ja seadistamine.
- Sertifitseeritud kõrgepingelabor.
- Sertifitseeritud elektrimõõtmiste labor
- Releekaitse ja automaatika hoolduse töörühmad ja meistrid, kes on hooldanud 110 kV ja kõrgema pingega alajaamade sekundaarseadmeid ja süsteeme (Enefit Energiatootmine, Eesti EJ alajaam)
- A-pädevusega elektritöid juhtivad isikud.





Elektrimõõtmiste labor

Elektrimõõteseadmete kalibreerimine, seadistamine ja remont.

Kalibreerimise labor on akrediteeritud ISO/IEC 17025 standardite järgi. Kalibreerime, seadistame ja remondime elektrimõõteriistu (ampermeetrid, voltmeetrid, oommeetrid, megaoommeetrid, elektriarvesid, andurid; multifunktsionaalsed mõõteriistad jne.)

Laboris on kaasaegne tehniline baas, etalonid ja kogenud personal.

Tunnistused ja protokollid, mida labor väljastab, omavad rahvusvahelist

tunnustust



Releekaitse ja automaatika

Meeskond teostab releekaitse ja automaatika tehniline hooldust. Me seadistame erinevad relee tüüpe:

- Siemens seria 4*,5*
- ABB seria *5*, *6*
- REG216, REG316, REF542plus
- Unitrol 5000
- Vamp 200 series
- Micom, Areva
- SYNCHROTACT 5
- REG-D



Kasutuses on 2 CMC-256,1 CMC-356, CT analüsaatorit.



Kõrgepinge labor

Labor on akrediteeritud ISO/IEC 17025 standardite järgi.

- Elektripaigaldiste isolatsioonitakistuse mõõtmine
- Rikkesilmuse näivtakistuse mõõtmine
- Kaitse-,PEN-, ja potentsiaalühtlustusjuhtide katkematuse kontrollimine
- Maandustakistuse ja puutepinge mõõtmine
- Rikkevoolukaitselülitite rakendumisaja mõõtmine
- 6-330kV elektri- ning alajaamade seadmete kompleksne testimine





Contact us

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