



SINGLE SOURCE LOCAL,
DYNAMOMETER and
TEST SYSTEMS
MANUFACTURER
of TURKEY

General Info



Commercial Title	: GENERAL TEST TEKNOLOJİ SAN. ve Tic. A.Ş.
Main Business Activity	: Test and Automotion Systems, Conditioning, Measurement, Consumption, Control Units, Actuators, Torque Converters, Hydraulic Retarders, Test Room Mechanics, Active, Hydraulic and Passive Dynamometers, Robotic Arms, Control Hardware and Softwares, Special Software Alghorithms, Electronic Units Design, Manufacturing, Related Services and Turn Key Test Facility Provider.
Manager / Founder	: Alptekin Erman
Address	: Acıbadem Mah. Çeçen Sokak Akasya Residence A Kule No.:25 D.:150 Üsküdar - İstanbul / Türkiye
Number of Employees	: 16 +

Properties of Our Company

- .- We are single source dynamometer and test systems (up to 10.000 Hp and 100.000 Nm) manufacturer of Turkey.
- .- We are engineering based company and established by the manager who have been providing engine and vehicle test systems since 1989.
- .- Our company provide all range of services and exports Turn Key Test and Validation Facilities to all around the world.
- .- Our company also integrates 3th companies products to any of test facilities.
- .- We provide design, R&D, prototyping, simulation, testing, mass production and after sales support services.
- .- We are in Automotive, R&D, Overhauling, Aviation, Education, Defence, Production and Off Road industries as Dynamometer and Test Systems Local Provider.

Our Mission and Vission



- .- Develops scale and range of products, quality, local and international market place according to actual global test and automation environment.
- .- Develops new products which is not yet in our product line and provides to local and international market.
- .- Provide high quality but low cost solutions to our customers on local market and develop their test and validation abilities to improve their own products quality and durability according to international market.
- .- Develops local knowhow to future of test industries and create unique solutions for 'not yet established' areas.
- .-Develops new business and establishes local production base, project management and after sales support organisation for local or international projects.
- .- Provide high quality but low cost solutions as products or services to international companies and brands on OEM base.

Our Current Relationship with the Industry



Turn-key Facility

From basement to roof include everything in test cell

Special Test Room for Combustion Chamber Development, Training or Similar

R&D, Emission, Validation Test Laboratories

Diesel, Gasoline, CNG, LPG etc. Gas-fired Internal Combustion Engines, Electric Engines, Hybrid Power Packs, Transmission, Transaxle, Wheel, Power Sets and Turbine Engines

Quality, Endurance, Component or Sub System Replacement Test

Facility, Design and Engineering

Instrumentation

Hot Test

Manufacturing or Overhauling Test Rooms

Cold Test

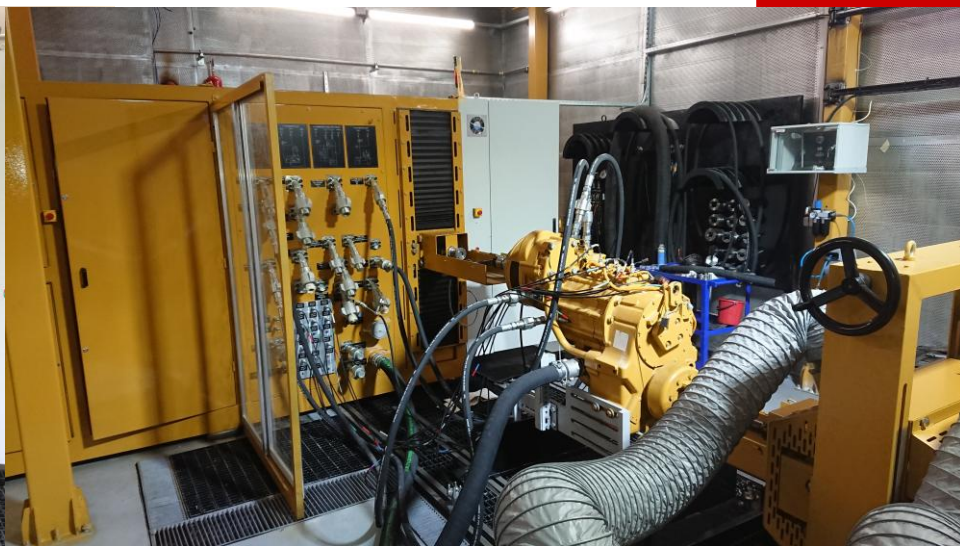
Our Services

- Engineering, design, R&D, prototyping, manufacturing, testing, installation and training
- Startup support and operation support,
- Integration of 3th company products,
- Calibration, verification and alignment,
- Test cell optimization,
- Test facility design, technical and administrative specification projects preparation,
- Consulting, organization, project management support,
- After sales project management,
- Technical and commercial intelligence support,

Our Products

- .- Hydraulic, active and eddy current dynamometers,
- .- Test Cell Management and Reporting System
- .- Dynamometer, engine, utility and facility control Systems
- .- Fuel, oil, water, air or others gravimetric consumption measurement units, vibration analyzers, measuring instruments and conditioners,
- .- Quick docking plates with quick couplings for engine trolley to deliver fluids and electrical power or signals,
- .- All size and range of Test Cell Mechanics
- .- Training or educational sets with engine, dynamometer and all measuring devices,
 - * Alternative fuel research and development setup,
 - * Internal combustion engine performance test setup,
 - * Load and load control test setup, etc
- .- Electronic Control Units
- .- C# base softwares and control algorithms
- .- Air, fuel, oil, coolant and others supplying, management and conditioning systems.

Past Performance



Hidraulic Test Bench -



Past Performance



Rolling Test Rig

Past Performance



Dynamic Test Assembly

Past Performance



Engine / Actuator Test Rig

Past Performance



Wet Clutch Test Rig
according to international standards

Past Performance



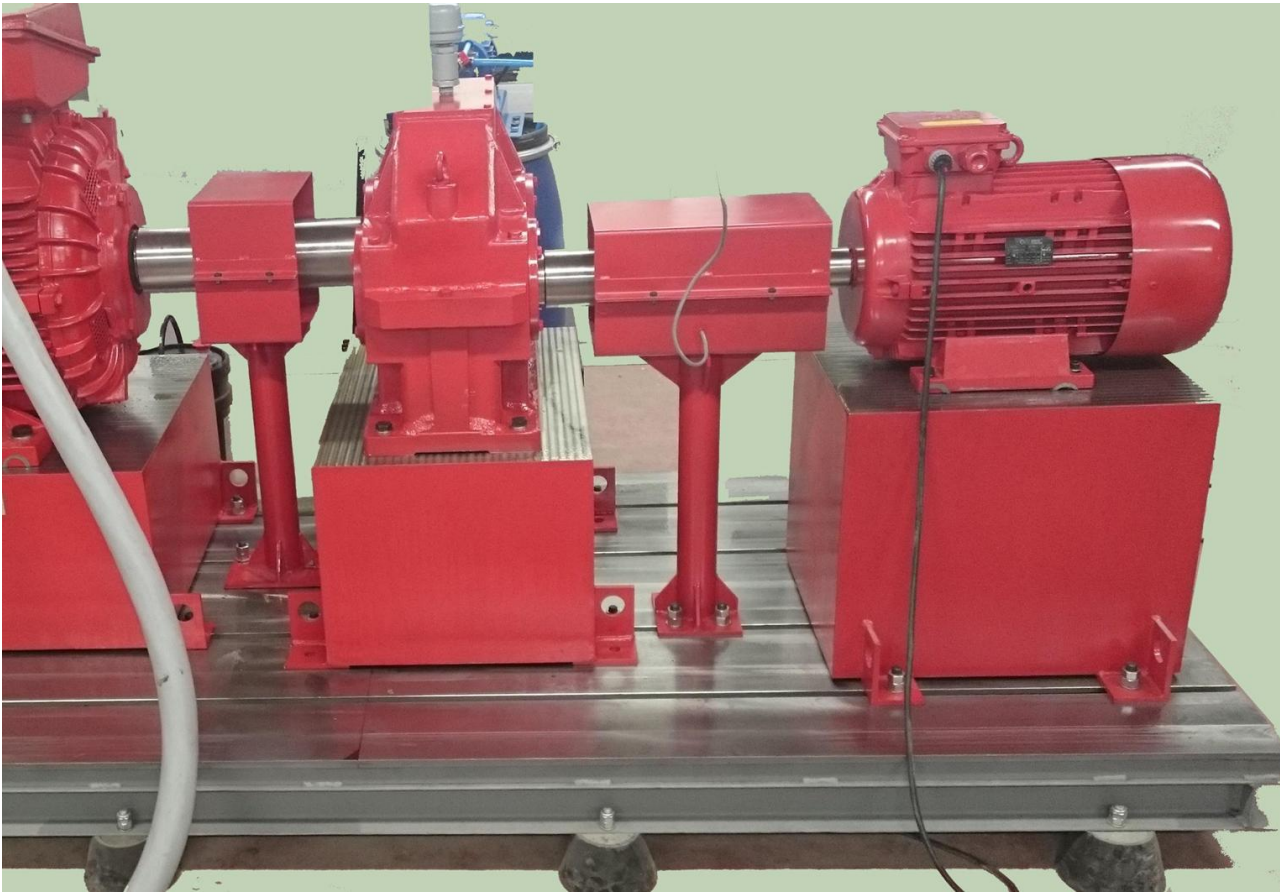
Tire Testing Unit

Past Performance



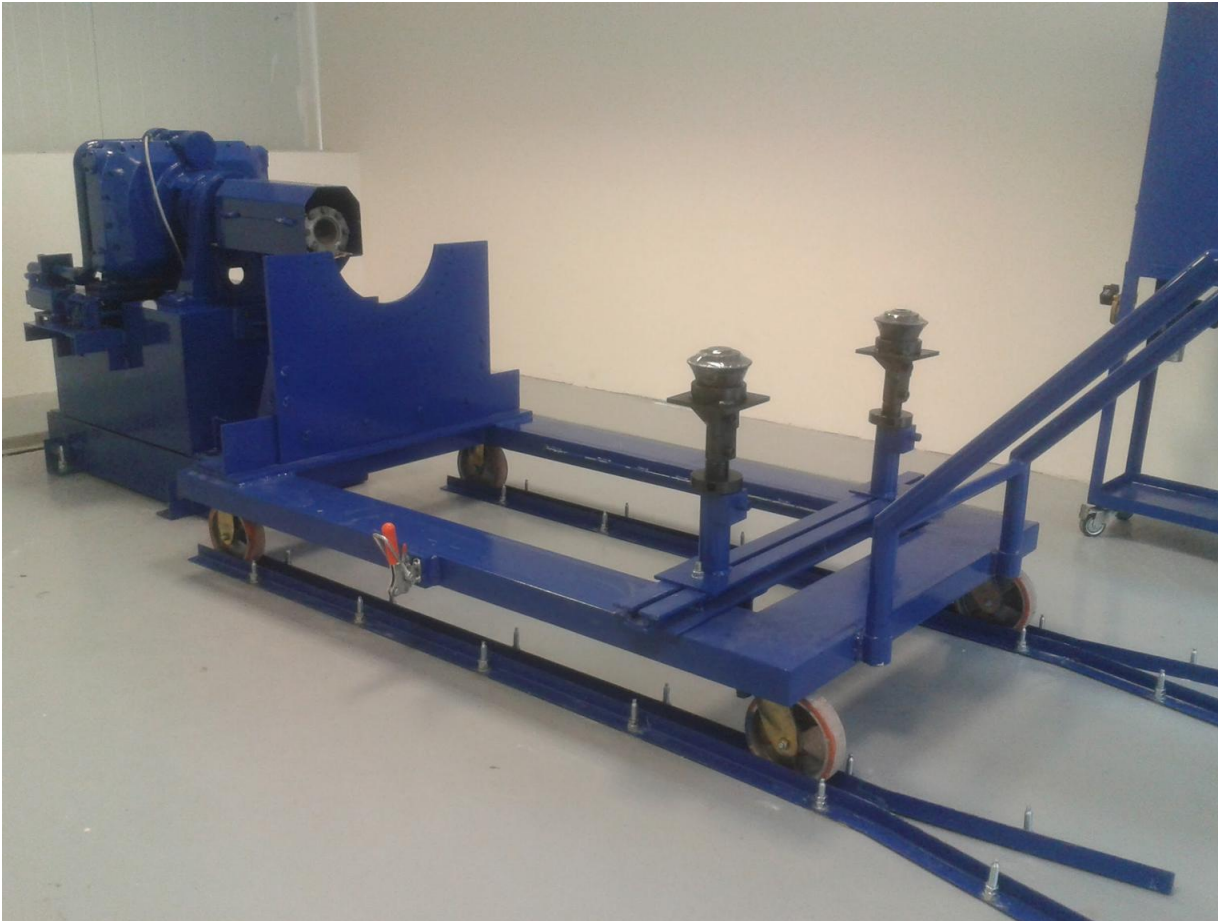
Drop Test Unit

Past Performance



Electric Motor / ICE Test Rig

Past Performance



Engine Trolley

Past Performance



Single Cylinder Training Engine
Test Dynamometer

Past Performance



TRex Engine and Dyamometer
Control Unit

Past Performance



T-Rex Test Chamber Control Unit

Past Performance



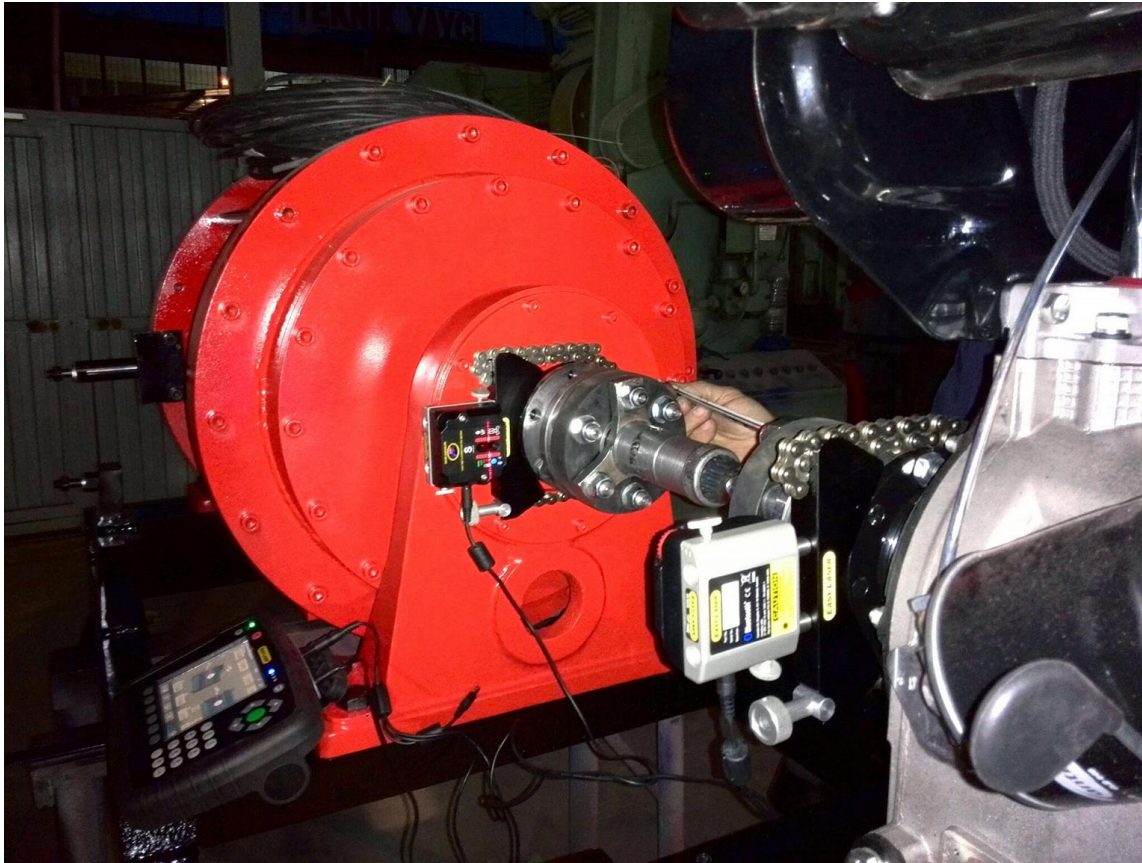
TRex/b Dynamometer Control and
Display Unit

Past Performance



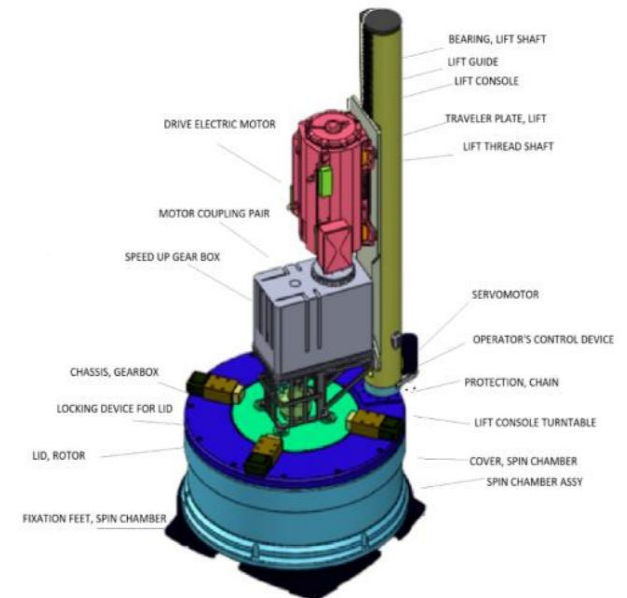
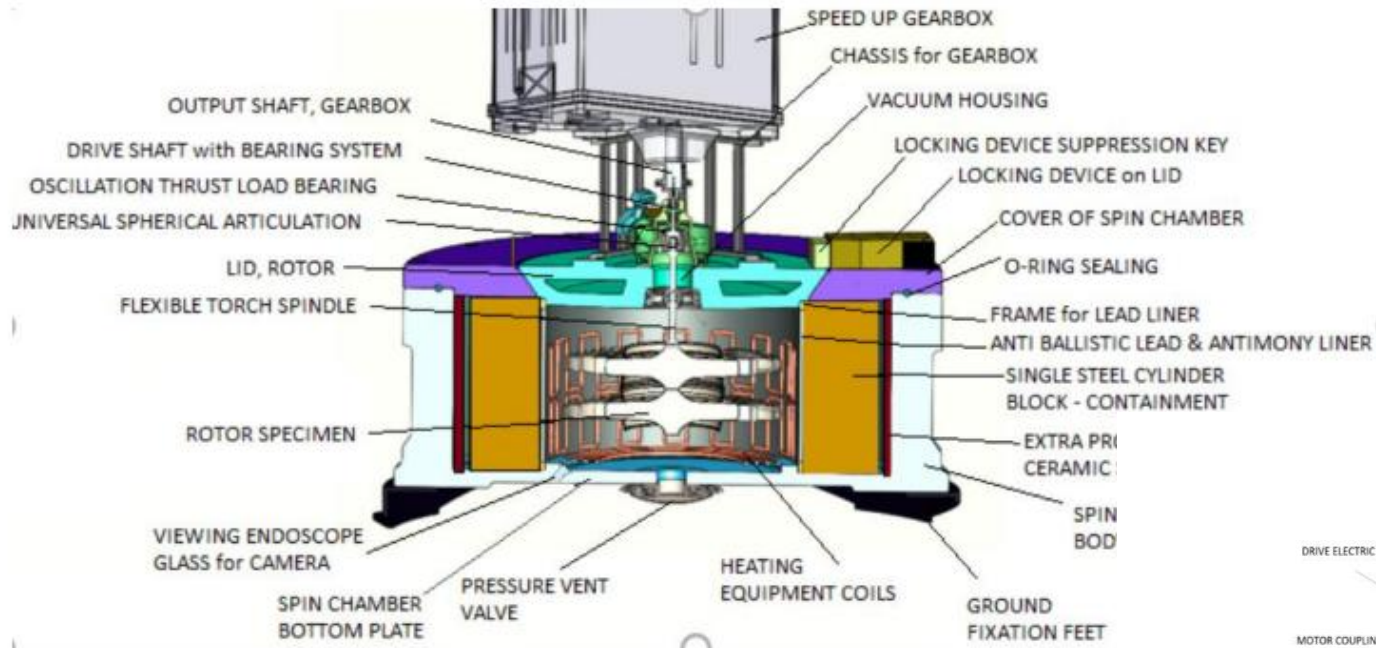
Boom Box for Sensor
Connections

Past Performance



Accurate Position Alignment
Unit/w Laser

Past Performance



Spin Test Rig

Past Performance



Active Dynamometer

Past Performance



800 Hp Capacity, Fast Load
Reaction Speed, Military Type
Hydraulic Dynamometer

Past Performance



1000 Hp, Bidirectional, Fast
Response Load Control, Hydraulic
Dynamometer



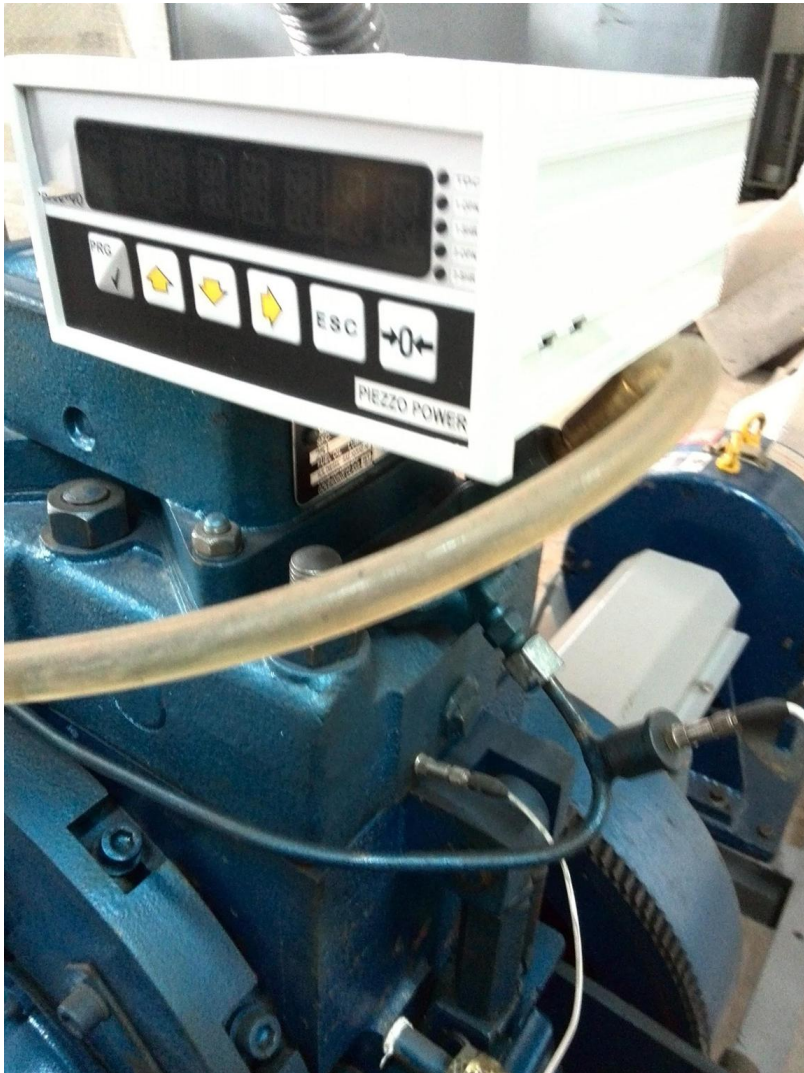
10.000 Hp and 100.000 Nm
Capacity
Large Hydraulic Dynamometer

Past Performance



Fuel Consumption Gravimetric
Measurement Units

Past Performance



Combustion Chamber Pressure
Analysis Unit and Sensor

Past Performance



Dynamometer Accurate and Fast
Load Control Actuator

Past Performance



Dynamometer Fast and Accurate
Power Range Select Actuator

Past Performance



Engine and Dynamometer Main
Intermediate Frames

Past Performance



Main Frame/w Vibration Dampers

Our Corporate and Individual References 1/6



1989 – 2006	More than 20 FORD Otosan Projects,
1990	Otokar Durability Test Cell Project
1991	HEMA Transmission (Allison Transmission Producer)
1992	IETT (Istanbul Public Transportation Unit Engine Revision Plant)
1993	Halla Heavy Duty Track Producer – South Korea – Chungju Plant
1994	UZEL Corp., (One of the major Traktor Producer of Turkey)
1995	MKEK FiseksanPoligon Project, Ammo Test System,
1996	AVL Zöllner Dynamometer and Test Cell Controller Developement
1997	Renault Test Cells Upgrade Project
1997	TTF Powertrain Project
1998	TTF (Turk Traktor Factory)
1998	Military Project
1999	FMS NUROL / FNSS Military Panzer Heatexchanger Performance Test Project
1999	Alarko ALPOM Underwater Pump Performance Test Project
2000	Isuzu Project,

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Our Corporate and Individual References 2/6



2002	Toyota Project
2003	Renault Dynamic Test Cell Services
2003	OTOKAR Durability Test Cell Modernization Project
2004	TUBITA MAM CD Project
2004	HYUNDAI Quality Lab. Project
2004	TTF (Turk Traktor Factory) Quality Lab. Project
2004	ITU (Istanbul Technical University) Vehicle Body R&D Lab. Vibration Analysis Project
2004	IETT (Istanbul Public Transportation Unit Engine Revision Plant) Maintenance Project
2005	GYTE Electric Motor R&D Test Lab
2005	Midle East Technical University Engine R&D Test Center
2005	Turish Agricultural Machinery Test and Certification Center
2006	Midle East Technical University Engine R&D Test Center
2007	TTF Durability Test Cells Project
2008	MatayEgzost R&D Test Lab Project

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Our Corporate and Individual References 3/6



2008	Fiat NVH Project
2009	Military TransmissinTest Facilite
2010	MARINE ENGINE TEST FACILITIE (Military Project)
2010	Tümosan (Engine and Tractor Producer) Emission Test Cell
2010	Tümosan (Engine and Tractor Producer) Transmission Test Cell
2011	Otokar (OTOYOL) Engine Test Cell
2012	High Speed Turbine Engine Test Facility (Military Project)
2012	Türk Traktör Factory,
2012	Gümüşhane University,
2012	19 Mayıs University,
2013	Margas İzmir,
2013	Aselsan, (Defence Industry Project)
2014	Komatsu Turkey
2014	Gazi University
2014	Niğde University,
2015	Sivas Cumhuriyet University

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Our Corporate and Individual References 4/6

2015	Sivas Cumhuriyet university,
2015	Kayseri Erciyes university,
2015	TEI,
2015	Istanbul Okan university,
2015	Batman Univ.
2015	Yıldız Technical University
2016	ESHOT Engine Overhaul Test Bench
2016	Hacettepe university High Speed Engine Test Dynamometer
2016	TTF – Turk Traktor Factory TRex-EBP.S.005
2016	Pakistan Al-Ghazi Tractor Factory
2016	DSI – Turkish Goverment State Hydraulic Works Agency Kayseri Plant
2016	TechTrade - Russian Engine Overhauling Company
2017	Ege University ARGE Lab.
2017	MSB Landforce 500 Hp Dynamometer Project,
2017	Al-Ghazi Pakistan Spare Part Project
2017	GÜRFA Tersanesi Modernizasyon Projesi
2017	KUKA Robot Kol Modernizasyon Projesi
2017	ESHOT TEMSA Motor ECU Modernizasyonu

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Our Corporate and Individual References 5/6



2018	Yıldırım Beyazıt Üniversitesi Elektrik Motoru Test Sistemi Projesi
2018	Tümosan Şanzıman Test Tesisi Projesi
2018	Bangladeş Ordusu Motor ve Şanzıman Test Tesisleri (Anahtar Teslimi)
2018	AlGhazi Traktör Fabrikasına 8 adet motor test bench imalatı (Anahtar Teslimi)
2018	Kırıkkale ünv. Yanma odası analiz içeren DEMS ünitesi
2019	Ege Üniversitesi Yanma Analiz Lab.
2019	Aygaz Şase Dinamometresi Modernizasyon Projesi
2019	Bias TOSB Motor Test Ünitesi Modernizasyon Projesi
2019	Radar Sistemleri Yerlileştirme - Yazılım ve Donanım Geliştirme Projesi
2019	Kırıkkale Ünv. Kimya Laboratuvarı Modernizasyon Projesi
2019	BorusanHidrolik Test Bench Tasarım ve İmalat Projesi
2019	Tümosan Test Odası Şase Tasarım ve İmalat Projesi
2020	Alp Havacılık - AGB Test Rig Tasarım ve İmalat Projesi
2020	Sinter Metal / BMC - Islak Kavrama Diskleri Test Rig Tasarım ve İmalat

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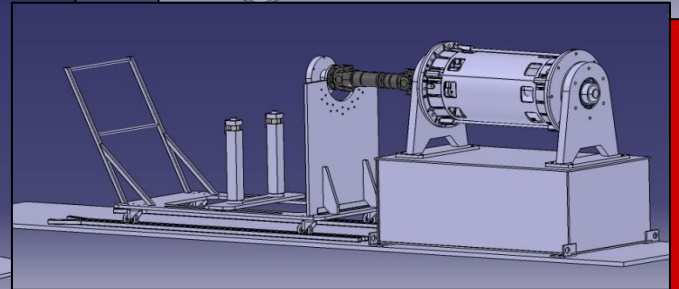
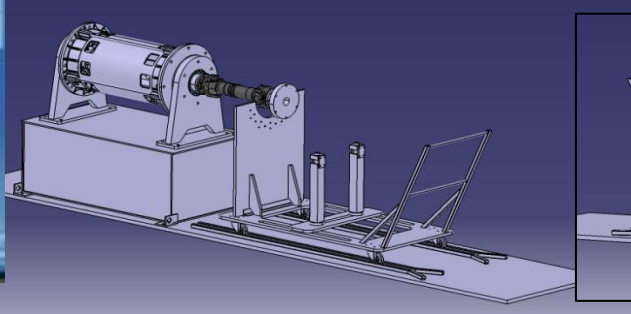
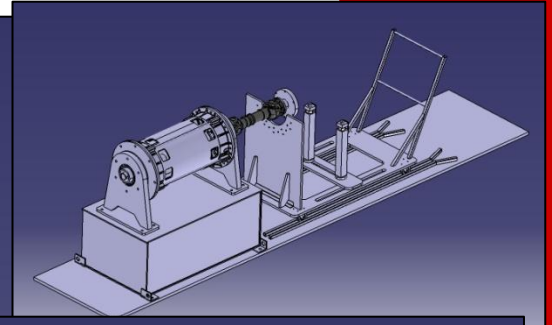
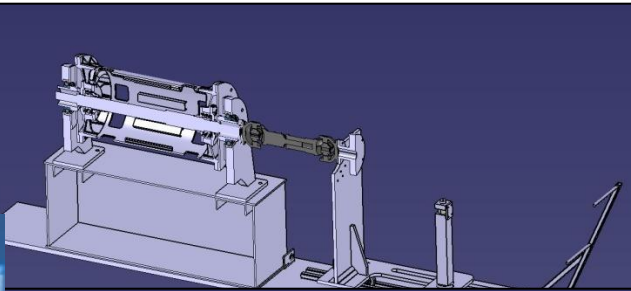
Our Corporate and Individual References 6/6



2021	Alp Havacılık – AGB Cradle Tasarım İmalat Projesi
2021	Alp Havacılık – AGB No Load Tasarım İmalat Projesi
2021	Türk Havacılık ve Uzay Sanayi Statik-Yuvarlanma Test Projesi
2021	Türk Havacılık ve uzay Sanayi Düşürme Test Projesi
2022	Türk Havacılık ve Uzay Sanayi Fren Test Projesi
2022	Türk Havacılık ve Uzay Sanayi Riha Motor Projesi
2023	Türk Havacılık ve Uzay Sanayi MGB IGB TGB Proje Çalışması
2023	Başak Traktör PTO Test Dinamometresi
2023	StarGen Anekoik Test Odaları Projesi
2024	OKAN Üniv. Motor Test Odası Eğitim / Güncelleme Projesi
2024	Almanya - Spin Test Rig Projesi

Our Dizayn Tool

- .- Catia,
- .- Solid,
- .- Autocad,
- .- Digital modeling,
- .- Isolated, protected Engineering Data Processing System,



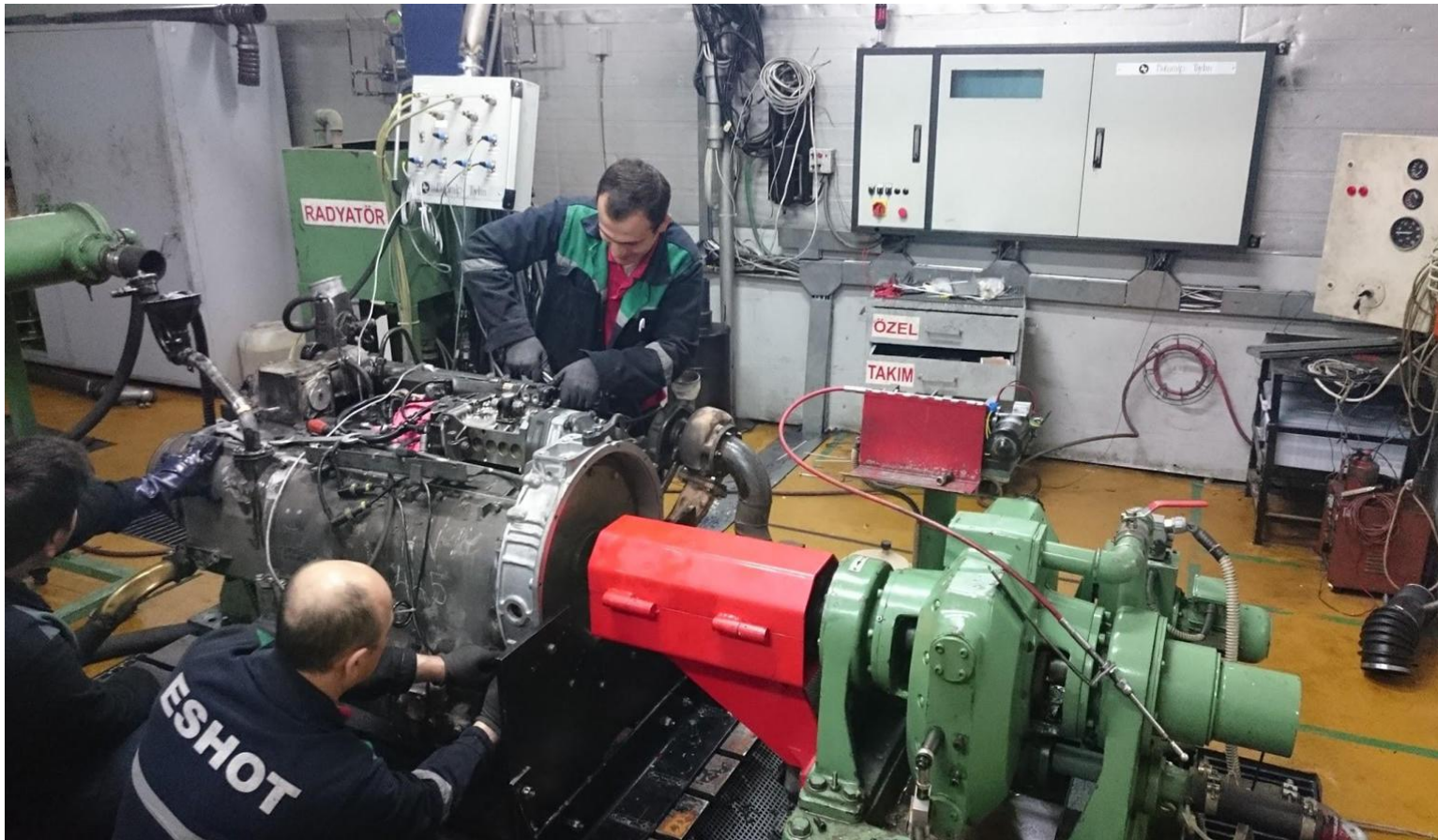
Some Example of Our Past Performance

GT GENERAL TEST



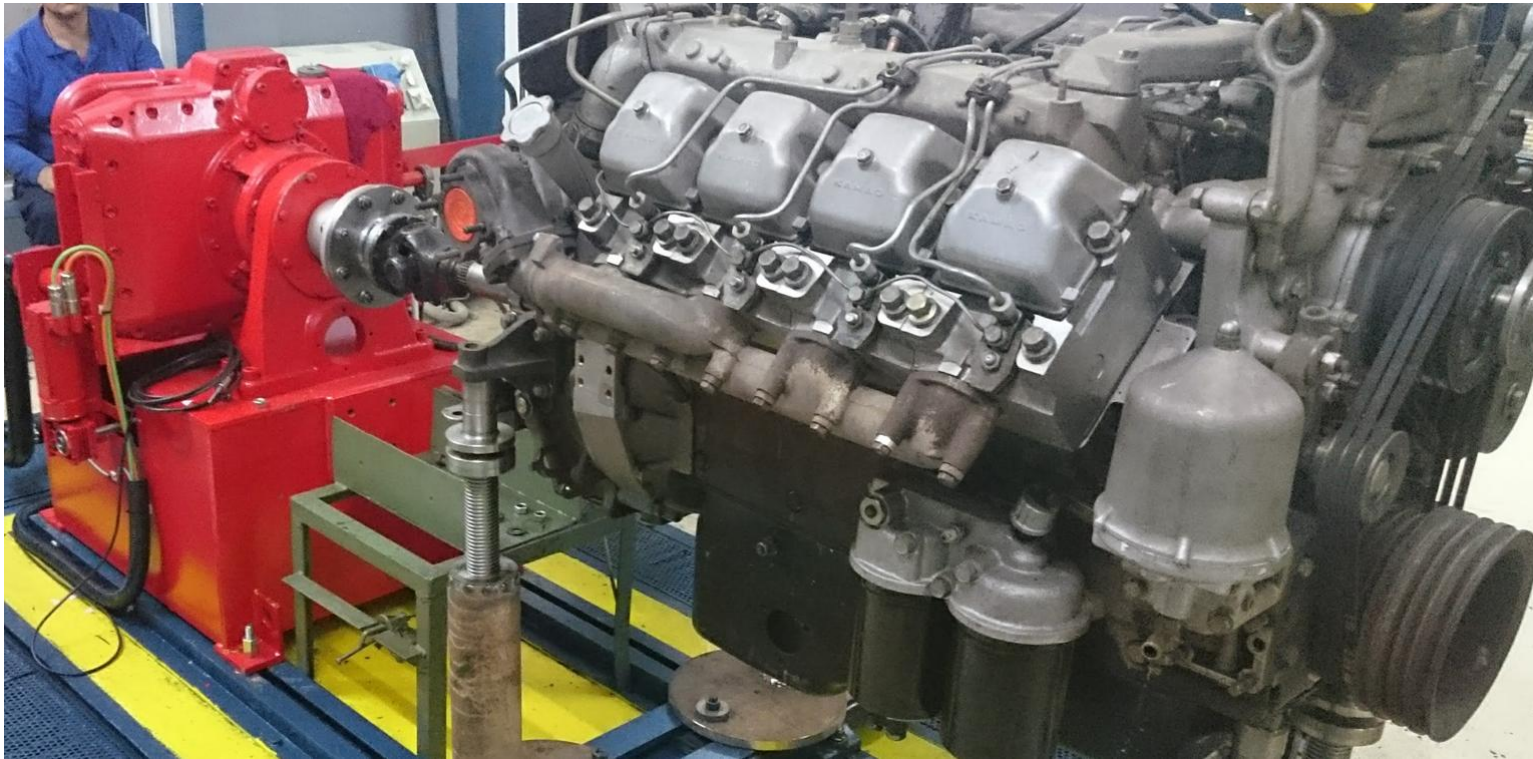
Some Example of Our Past Performance

GT GENERAL TEST

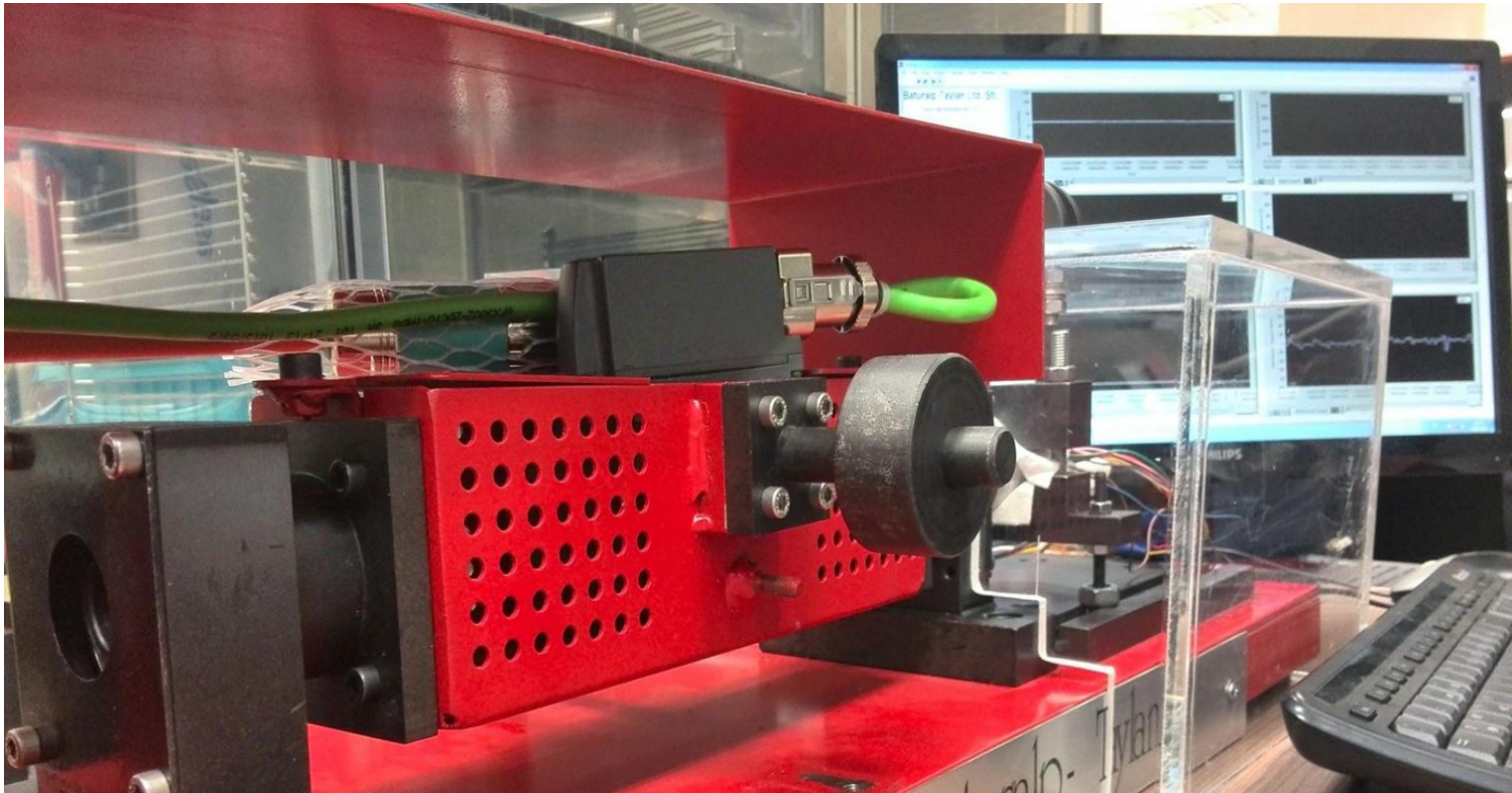


Some Example of Our Past Performance

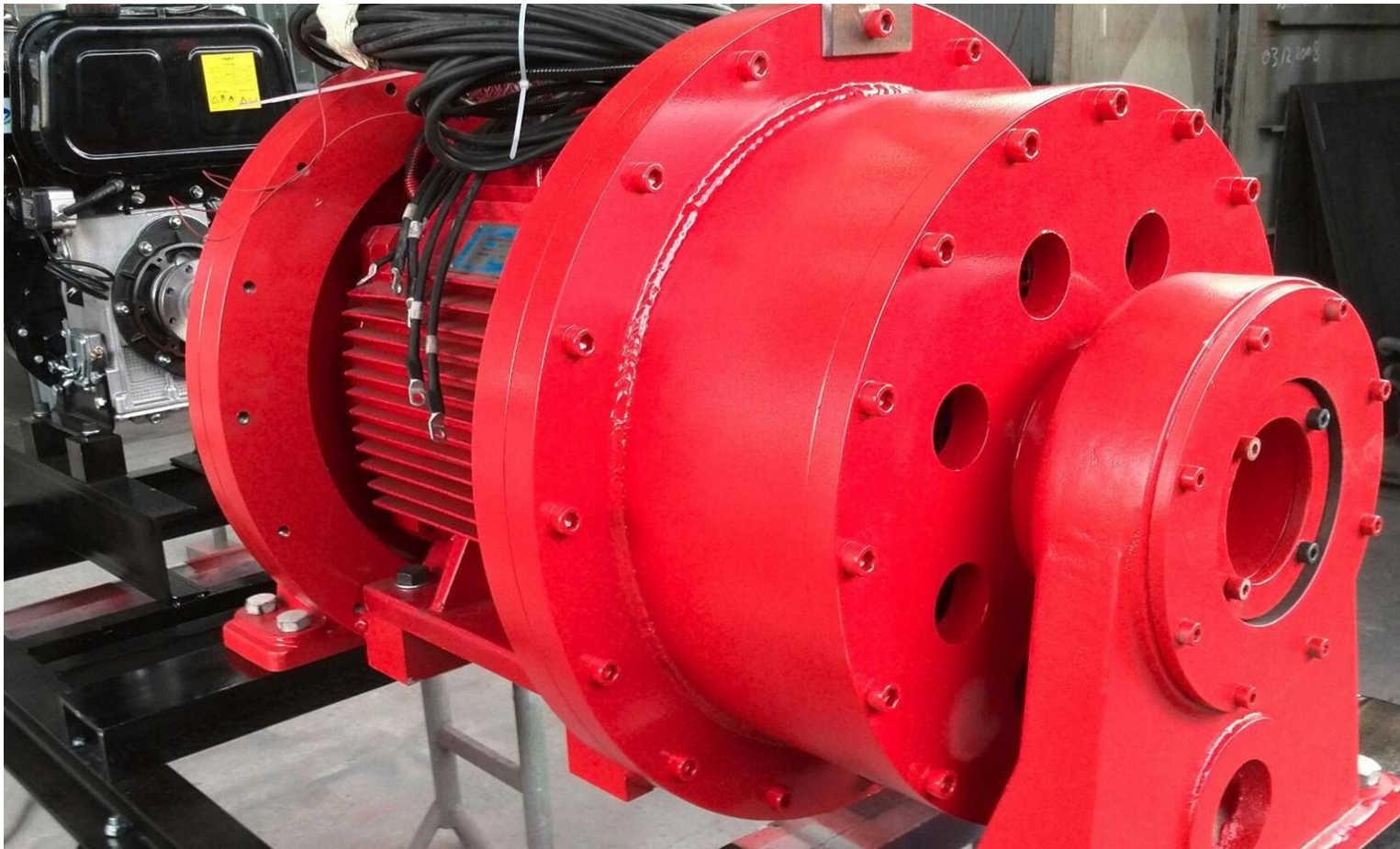
GT GENERAL TEST



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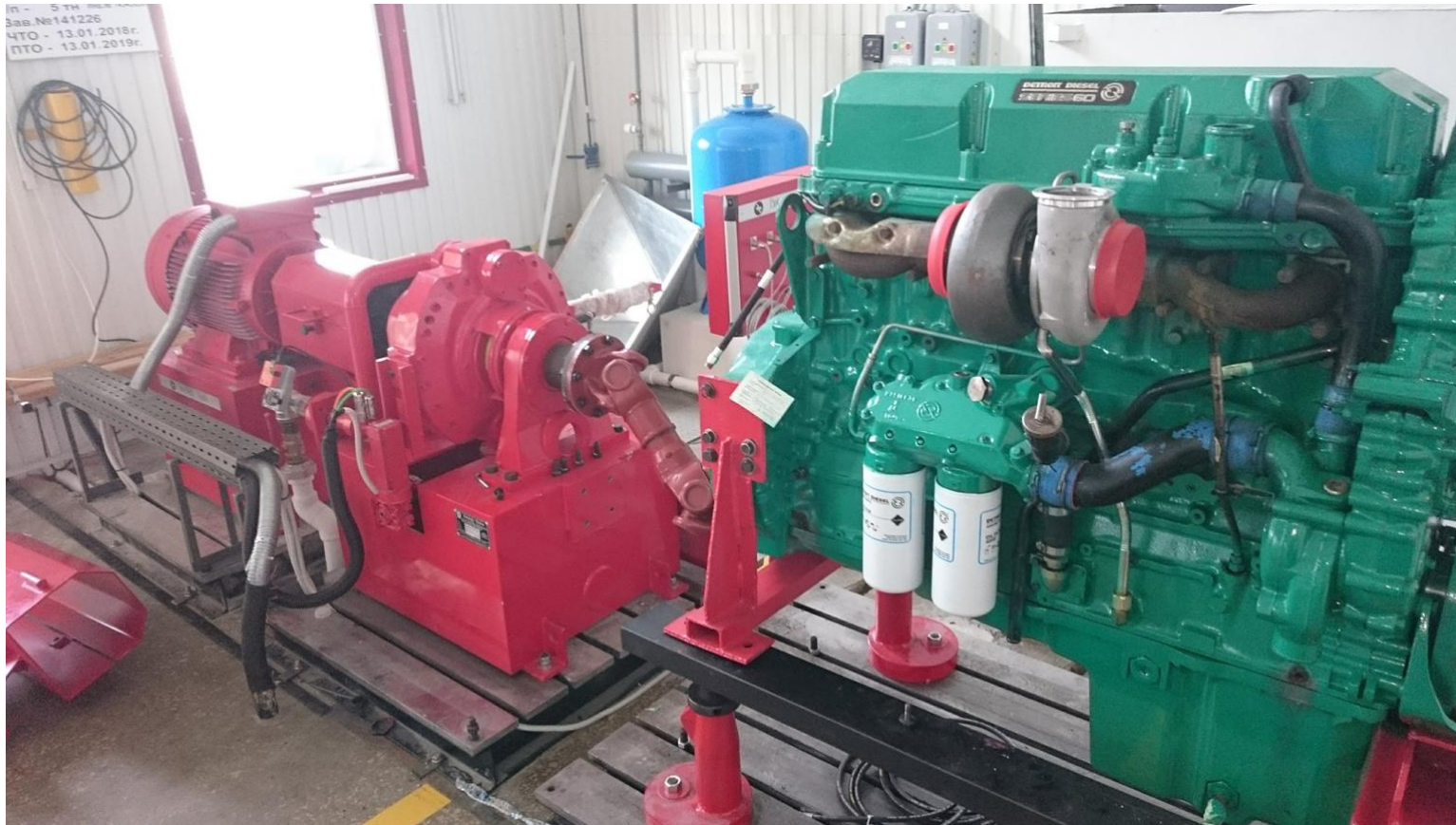


Some Example of Our Past Performance



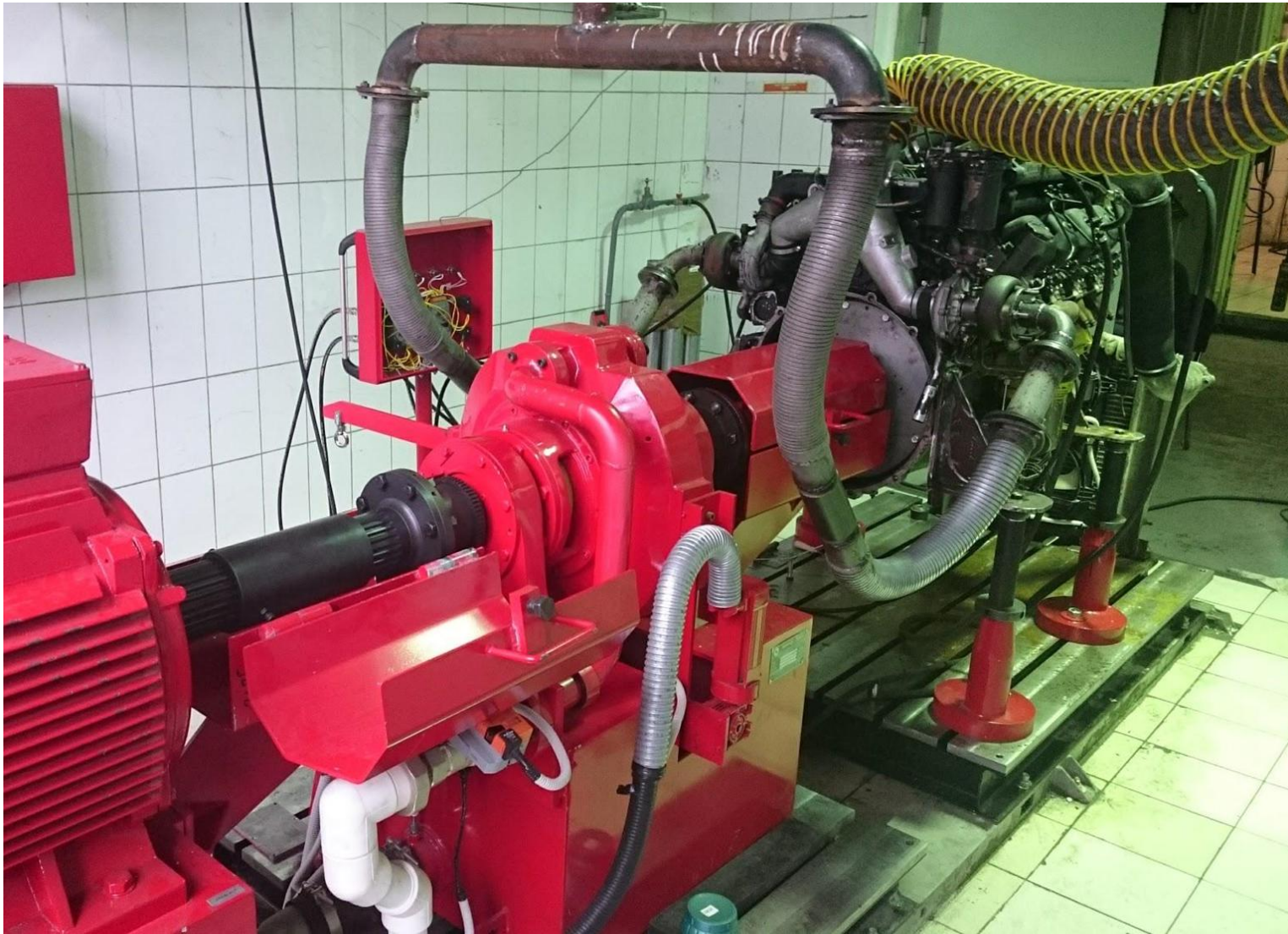
Some Example of Our Past Performance

GT GENERAL TEST



Some Example of Our Past Performance

GT GENERAL TEST



- Over 100 Test Facilities ,
- Over 200 Dynamometer and Test Instrument Solutions

For information about our other past performances,
Or for your new project

[please contact us.](#)





**THANK YOU for
your kind attention**