

**ENERGO  
TEST**

# Reference customers and system solutions

Garage equipment

Industrial use

Energy solutions



The future has already come into operation by Energotest!



Auto-Motor Club Hungary, more than 90% of the National Transport Authority's test lanes are equipped with ENERGO TEST test equipments.

Fast, flexible and precise work are crucial for them, these can be ensured by state-of-the art equipments and reliable after sale service only, that is why they decided for ENERGO TEST KFT.

**ENERGOLINE**<sup>®</sup>

Inspection test stations of the National Transport Authority have got continuous ENERGO LINE test lane software upgrading.





Research Institut in SZEGED was completely equipped by ENERGOTEST inspection systems in 2014, as a green-field investment.

The new workshop of Mr. PUSKAS in the east hungarian region won a state tender with ENERGOTEST full co-operation.







Branded and independent workshops as well, invest with pleasure in systems with fast return. Such an economical and efficient ENERGOTOM oil management system, handling 8 different kinds of liquids, was realized in the workshop of Mazda Hilz.

The workshop with 4 working stations of the Public Transport company TÜKE Busz Kft. in Pécs, was renewed with ENERGOTEST test lane equipments and USAG hand tools.



**ENERGOLINE®**



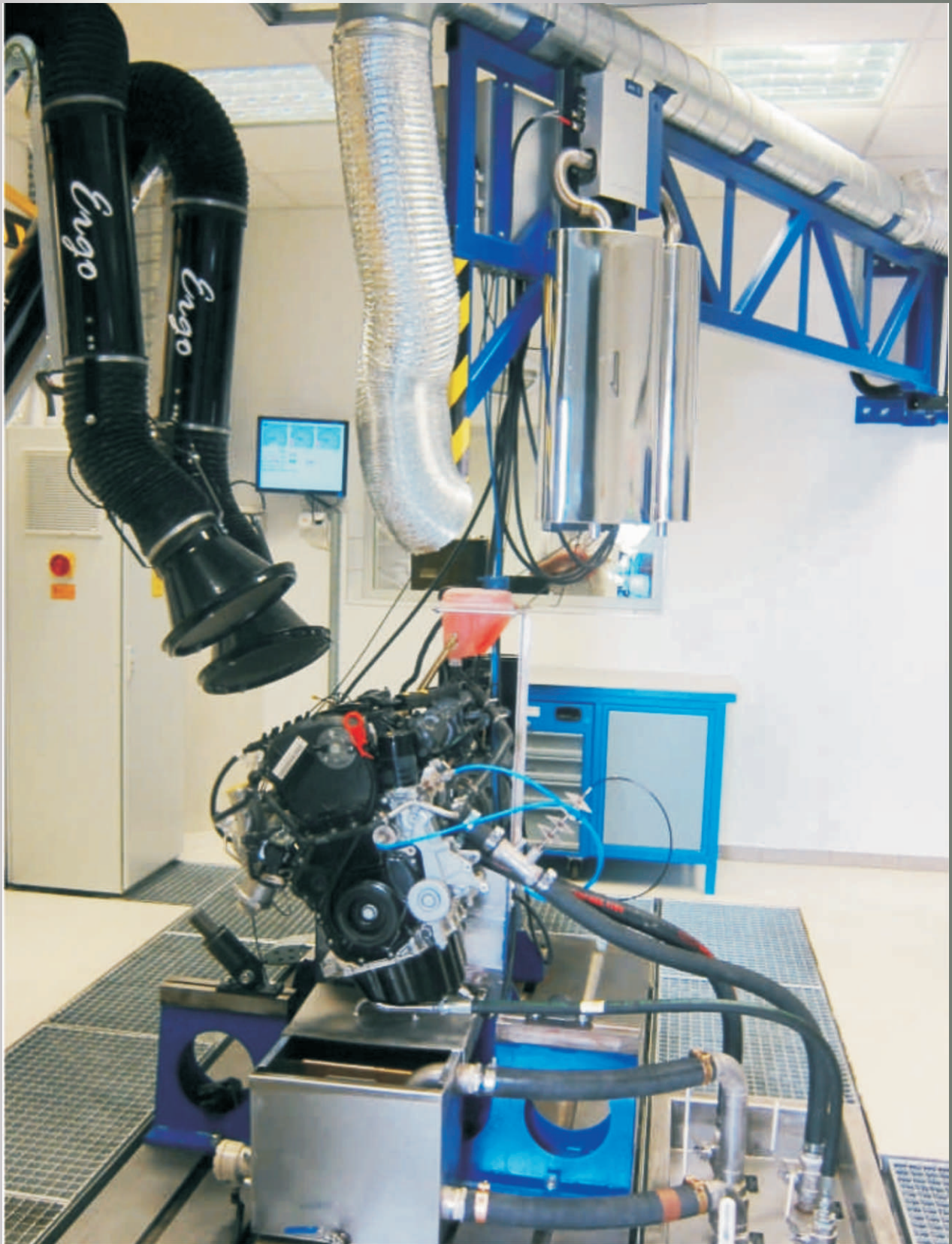


The carbody workshop of Szabadi Bt. became to indipandent full-scale truck service, completed with ENERGO TEST inspection test lane.

In the new workshop of Truck Trailer & Parts Kft.in Székesfehérvár, they work with calibrated ENERGO TEST equipments and state of the art oil management system.



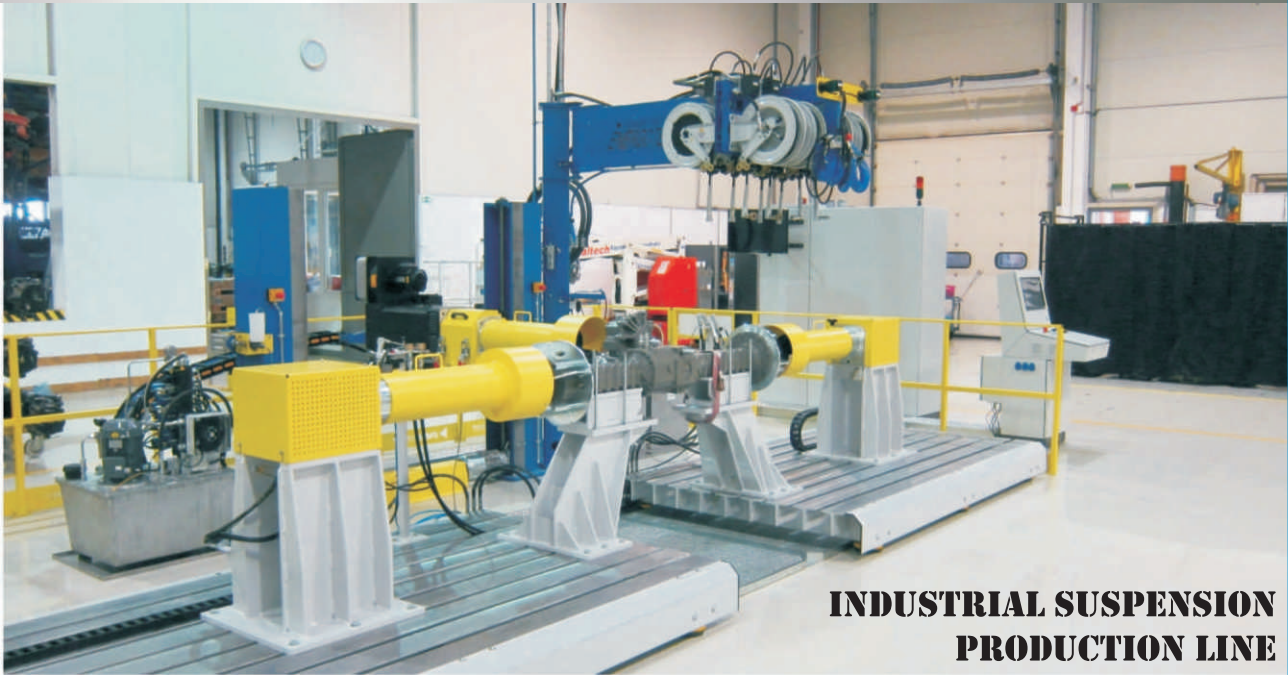




**Audi**  
HUNGARIA  
Belső Égésű Motorok Tanszék 

The University in GYŐR is equipped with a so-called cold test laboratory built by ENERGOTEST, where the dismantled vehicle engines are tested. The turn-key solution was supplied and installed as a complete test and environment system.





**INDUSTRIAL SUSPENSION  
PRODUCTION LINE**

ENERGOTEST special test equipment for suspension and transmission test, with built-in computer controlled oil management system.

The compound engine test cell in the university of Miskolc is also completely planned and built by ENERGOTEST.

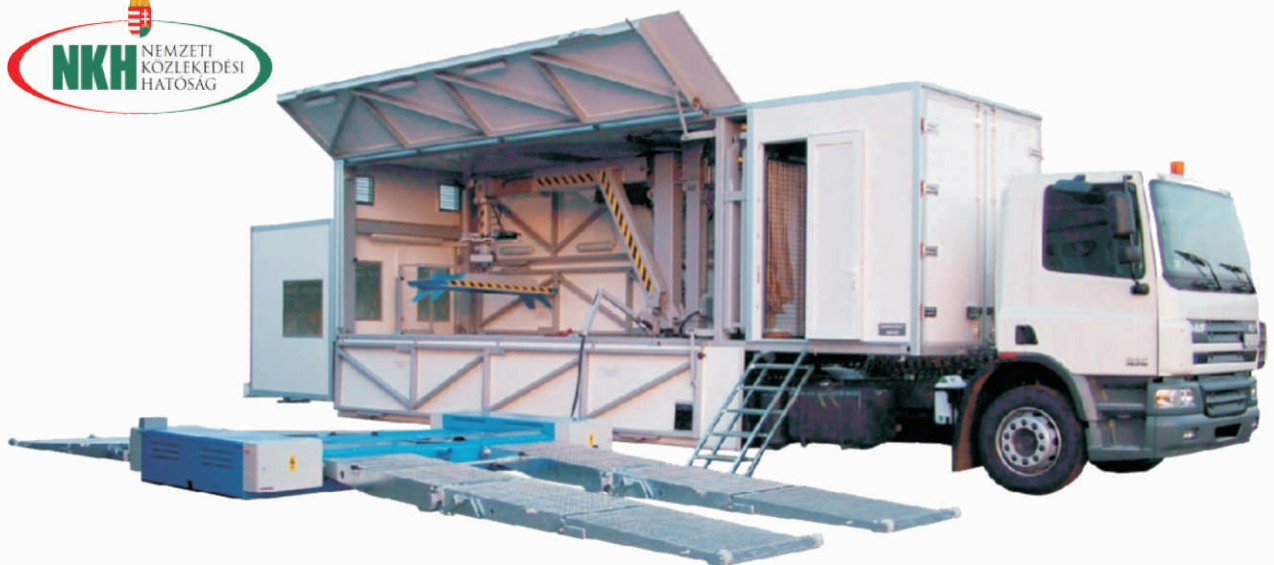




## **RUNNING GEAR TEST EQUIPMENT**

Complex ENERGOTEST developed test equipment for agricultural and heavy vehicle's driven axles and axle element's lifetime test. The ENERGOTEST controled Multidrive system produces energy management between the electric transmissions of the bench itself, generating remarkable operational energy saving.

The National Transport Authority has been effectively using the mobile test stations constructed by ENERGOTEST and in this way it contributes to ensure the safety of transport, filtering out vehicles being not in the required technical status.







Mobile engine test cell installed in container, planned and constructed completely by Energotest, ideal for industrial use, research and development purposes.

ENERGOTEST is a member in a consortium for renewable energy. ENERGOTEST constructed that special mobile test station within the framework of a development tender, which is suitable for power and driving system in the measuring of hybrid buses and commercial vehicles.





At ENERGO TEST premises in Dunaharaszti has been functioning the 90 kW heat pump system and the other one with 110 kW in the new production and development hall. These ensure the heating and cooling in winter and summer time as well of the whole building complex which consists of an assembly hall of 1800 m<sup>2</sup> and 2500 m<sup>2</sup> ground surface, storehouses and offices.



The control electronics of the heat pump systems enables the expansion of them with connection of the following optionals:

- actuation based on outside temperature sensor
- operation based on wireless connection
- operation based on remote monitoring via Internet

The data storage and analysis according to customer demand is also a strength of our system.



Control cabinet range for industrial and energy projects from 10 kW to 1 mW power with CAN-BUS control and measurement/data collection



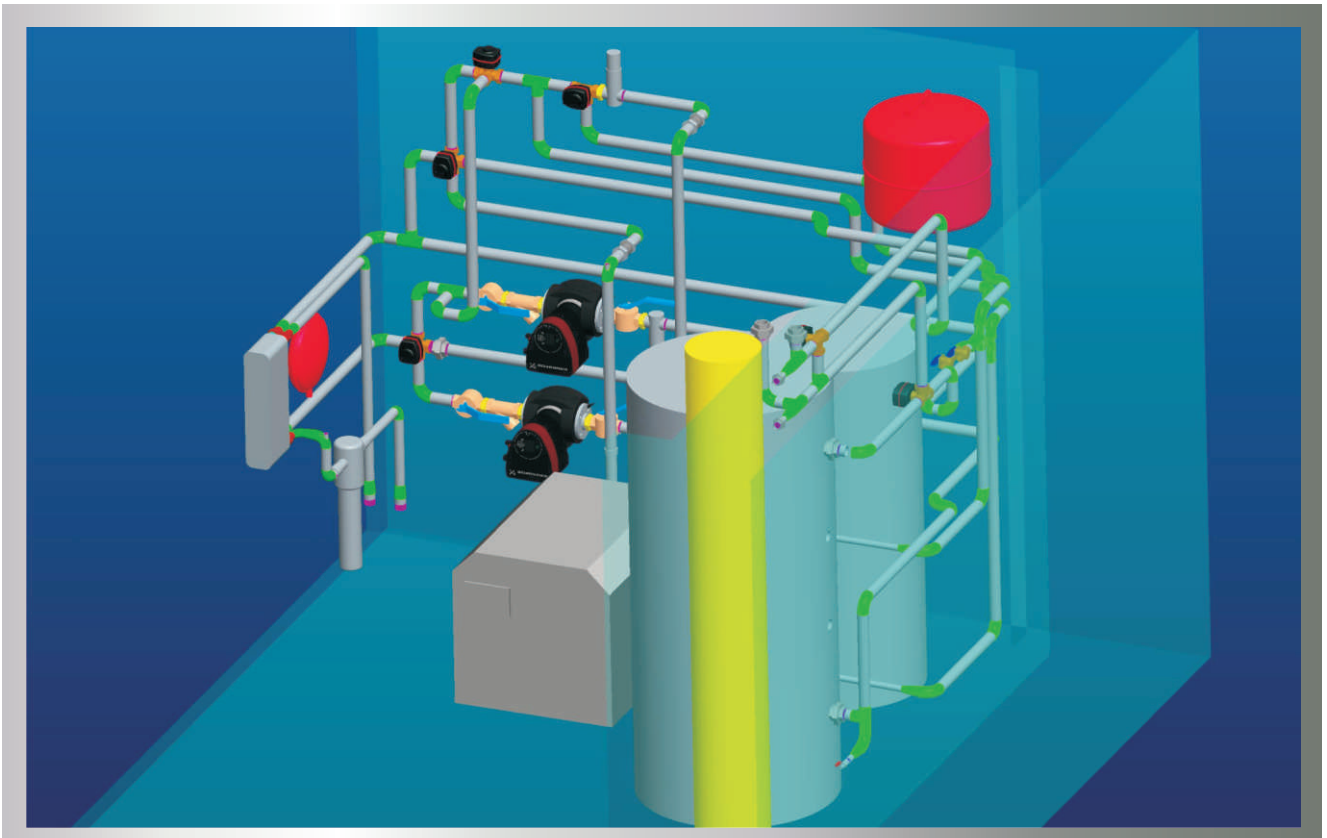


Wind generator simulator at the University in Debrecen, proper to trigger the wind turning effect on the real wind generator, furthermore to the regulable simulation of the energy production and wind force.



Since 2014 **ENERGOTEST Kft.** is member of the **ARCHENERG Cluster** for renewable energy and innovative construction industry.

Heat pump system executed completely by **ENERGOTEST**. Heating and domestic hot water production for a family house with 400m<sup>2</sup> in Dunaharaszti.







Solar system at the University Obuda in north Budapest.

Tutorial heat pump system model at the University of Debrecen, proper for educational purposes, contributes to the heating of the training room and to produce domestic hot water.



# Our strength is our professional knowledge

## Our mission:

Wir beliefern unsere Kunden mit hochwertigen Qualitätsprodukten, realisieren kundenspezifische Wünsche, und bieten einen flächendeckenden Kundendienst.

Wir sind Marktführer bei der Fahrzeugprüftechnik in Ungarn und erweitern unsere Aktivitäten laufend in neue europäische Länder. Mit 25-jähriger Erfahrung liefern wir Serienprodukte, erfüllen kundenspezifische Sonderwünsche und bauen Produktions- und Testanlagen für Fahrzeughersteller und Mineralölgesellschaften.

Fast 50 Ingenieuren arbeiten für perfekten Lösungen und Entwicklungsziele.

Unsere Zentrale befindet sich einige km entfernt vom Budapester Autobahnring MO, die logistische Mitte von Ungarn.

Unsere fünf Niederlassungen in Ungarn bieten schnellen Kundendienst in der Region.

Jeder ENERGOTEST Betrieb ist auch ein staatlich anerkanntes Kalibrierlabor.

Der gut ausgebildete Kundendienst mit komplett ausgerüsteter Fahrzeugflotte bietet schnelle Hilfe bei allen technischen Problemen landesweit.



Garage equipment

## Complete workshops with full-scale service

- Inspection test lanes with after-sales
- User-friendly test lane software package with continuous upgrading
- Planning and installation of workshops from A to Z.
- Workshop equipments for tuning
- Workshop equipments and accessories for tyre shops and services
- Vocational training centre equipments and handtools for vocational schools
- Training laboratories for higher education
- Mobile test stations for every vehicle categories
- Equipments for service vehicles with installation
- Workshop equipments for motorcycles



**Our service network provides in Hungary calibration and regular maintenance for the equipments of more than 3500 workshops.**

Our biggest Partners are for example: almost every test stations of the National Transport Authority, every test stations of the Hungarian Automobile Club, public buscompanies, every test stations of BKV (public transportcompany of Budapest), National Ambulance Service, PoliceHeadquarters of Budapest, every test stations of FKF (public maintenance company of Budapest), furthermore different services of all brands of passenger cars and commercial vehicles.

By several companies operating for and in the automotive industry, they work with our industrial equipments and systems developed and built based on special customer demands.

We cooperate closely with several educational institutions in realisation of educational and research & development laboratories, modernisation of educational equipment and materials and in the field of innovation. Our Partners among others: Szent István University at Gödöllő, Budapest University of Technology and Economics, Széchenyi István University at Győr (AUDI Chair), College of Kecskemét (MERCEDES Chair), University for Sciences at Debrecen, Szeged and Óbuda.

## Industrial use



### Customized investments

- Test and container equipments for Research and Development, for in process and final acceptance controls.
- Lubrication systems with measurement and data collection
- Solutions for ventilation and fume extraction

## Energy solutions



### Efficient and economical solutions

- Heat pump systems, heating centres, control electronics
- Utilization of kynetic and thermal energy of other equipments
- Compressor's wastage power connection into the heating system of the building
- Input air preheating of painting cabins with hot water produced by heat pump system – it reduces the gas consumption significantly



## Hungary

Over 600 test lanes for technical inspections

## Germany

Overrun braking controllers for trailers

## Austria

Play Detectors and benches for motorcycles, Decelerometers

## Finland

Benches for motorcycles, Play Detectors, Decelerometers and Calibration Instruments for Decelerometers

## Norway

Decelerometers and Calibration Instruments for Decelerometers

## Slovakia

Play Detectors and test lanes for technical inspections

## Romania

Play Detectors

## United Kingdom of Great Britain

Play Detectors and Brake testers

## Ukraine

Fully equipped test lanes for independent inspections

## Moldova

Play Detectors

## Latvia

Play Detectors, interest for oil management system Energo-TOM

## Bulgaria

Fully equipped test lanes for independent inspections

## Macedonia

Benches for motorcycles

## ENERGOTEST Kft.

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# Wide range of quality test lanes