

# History



After more than 40 years of supporting the automotive and mineral oil industry in developing drivetrains, powertrains and engine fuels, **KST** Motorenversuch GmbH & Co. KG possesses first class experience in the organization and operation of test facilities including engine and structural test benches which are especially necessary for the development of future alternative hybrid and electric drives today.

**GEVA** (GEVA Gesellschaft für Entwicklung und Versuch Adlershof mbH, Berlin-Adlershof), is experienced to develop components / subassemblies of aircraft and auto-motive structures and in that context uses test benches to analyse crack formation and crack extension on turbines and compressors for the manufacturers of aircraft engines.

KST adapts those GEVA competences to execute its own developments for the automotive industry, f. e. for manufacturers of turbochargers. The co-operation between KST and GEVA in performing analyses on in terms of pressure and temperature statically and dynamically stressed automotive and aircraft structures enables KST to extend its traditional contributions of development for lifetime and functional testing beyond its original automotive engine test facilities.

In addition to the already available information shown in the company brochures of KST ([www.kst-motorenversuch.de](http://www.kst-motorenversuch.de)) and GEVA ([www.geva-adlershof.de](http://www.geva-adlershof.de)), in the following KST-specific and common KST/GEVA development contributions in the automotive industry are described for each range of performance.

Bad Dürkheim / 2010

1967

## Company Founding

- Engine Testing Lubes and Fuels
- Lifetime Development of Engines / Components  
Emissions, Road Test
- Heavy-Duty Engines, Turbochargers, Powertrain,  
Certification for Emission-Testing, Hybrid and Electric Drive  
Extension of Test and Infrastructural Facilities by  
Expanding Plant

1999

## Company Founding

- Mechanical Endurance-Testing of Jet Engine Components / Subassemblies
- Aircraft Certifications according to AS/EN 9100, Rolls-Royce/SABRe, ISO
- Structural Analyses on Aircraft and Automotive Components/ Subassemblies