KSA-SUPERALLOYS ENGINEERING is an innovative company with top of the line solutions, founded in Thessaloniki, Greece. The company operates a fully equipped mechanical workshop and specializes in manufacturing customized industrial spare parts with protective coatings & advanced materials for every requirement.

Since 2003, KSA has focused on urgent maintenance conditions & “in-situ” machining processes and successfully managed to develop babbit bearings technology & know-how of the highest precision. Babbit bearings - standard or undersized - coated with white metal, aluminum & copper based alloys, in trimetallic or bimetallic structure, are manufactured & repaired for crankshafts. All these products are intended to be utilized in heavy duty internal combustion engines, turbines, pumps, compressors or electrical generators. Moreover the “in situ” machining activity on main journals and crankpins with company’s patented portable lathes and grinding units, constitutes an integrated custom-tailored solution. KSA provides full service support, including spare parts, under urgent conditions, any time all over the world.

Individual customer support is our No1 priority and by reducing production and maintenance cost, the operating performance is significantly increased. KSA activities in Europe and Middle East have established a high commercial and service status. This is the reason for our recognition as one of the most specialized companies in customized bearing technology and “in-situ” precise machining.

- Low maintenance cost
- High system reliability
- Significant downtime reduction
- Long life efficiency

B E N E F I T S

Manufacturing of white metal (babbit) bimetallic or/and trimetallic bearings, for marine applications and power generators.

Standard or/and undersized bearing shells in any dimension.

Plain bearings CAD design and simulation for precise manufacturing.

Manufacturing of copper based trimetallic bearings according to SAE standards.

Unique precision devices for “in situ” grinding of crankpins supported by the latest technology laser alignment device, for engine bore housings.

Dimensional regeneration of engine parts and bearing shells using advanced properties of plasma spray coatings.