

## Third Laureate Research & Development

26<sup>th</sup> Khwarizmi International Award (KIA)



- **Project Title:** Perforation Systems for Oil & Gas Wells
- **Executive Organization:** Aerospace Industries Organization,
- **Collaborator Organizations:** Many Universities, Public & Private Companies

- **Abstract:**

Perforating is a critical part in Oil & Gas well completion process and is regarded as a system for perforating the wall of Oil & Gas Wells to relate between Store and Inner Part of Casing to Extract Oil & Gas. This Foundation, Including Automated Manufacturing Lines as Regarded as one of the World's Modern Organizations That produce Perforating Shaped Charges and Provide Complete Systems Such as Wire Lines and TCP Operations for Customers.

Metallic Powder Cones are used for Producing High Penetration Perforating Shaped Charges.

These Shaped Charges Resist harsh enviroment of Oil & Gas Wells. A shaped charge consist of four parts including: 1-The outer case 2- main explosion charge 3- primer charge 4- metallic liner.

