



LSP Technologies

# LSP draws attention !

## Of Israeli Aerospace Manufacturers

- Aerospace Industry overview
- The Added Value
- Applications



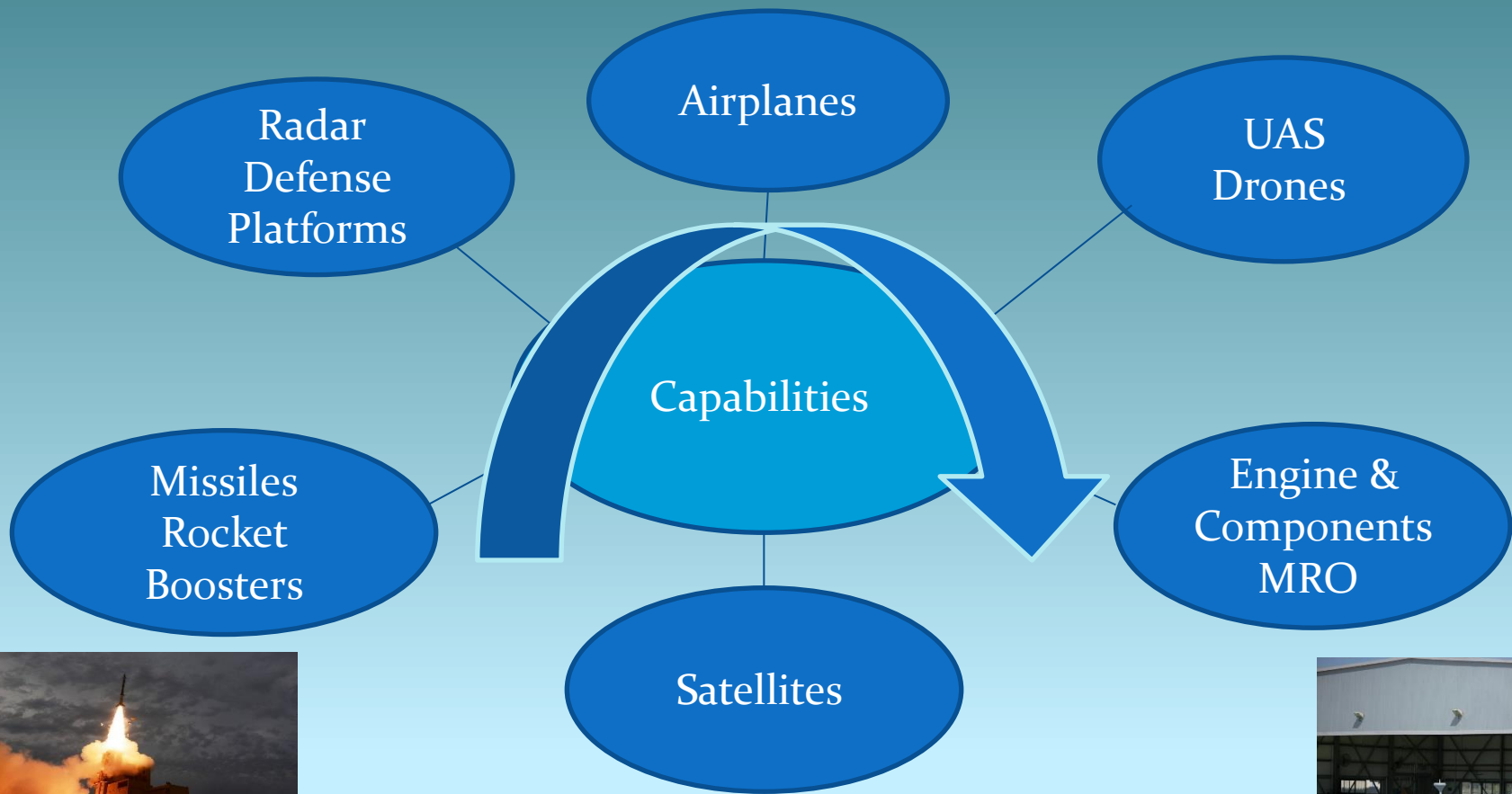
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# Aerospace Industry Overview



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# Aerospace Industry

## Overview



*Groups*

- ELTA Systems
- Aviation Group
- Military Aircraft
- Systems Missiles & Space



UAS  
Aerostructure  
Land Systems  
Electro Optic systems.....



Air \Naval & Missile Defense  
Combat Vehicles  
Developer and Manufacturer  
of Advanced Weapon Systems



Manufacturing Engine & Components  
MRO Civil  
MRO Military




Rocket Propulsion  
Technology Development  
and Manufacturing.



ENGINE SHAFTS AND ROTATING  
PARTS  
GEARBOXES, TRANSMISSIONS  
AND GEAR-BASED PRODUCTSS  
LANDING GEAR COMPONENTS...



A Blades Technology Company



BAZ Airborne Components & Assemblies




Part of Bet-Shemesh Engines Group

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## LSP Added Value Vs. Shot Peening

- **Better performances**
  - **Process reputability**
  - **Better fatigue results**
  - **Process control**
  - **Free masking labor**
  - **Elimination of post processing**
  - **High location control**
  - **Deeper ( CRS )** comprehensive residual stress
  - **Better Retention Of CRS at TEMP.**



## **LSP Added Value Vs. Shot Peening**

- **Better safety**
  - **No FOD contamination**
- **Cost reduction**
  - **Low down time**
  - **Utility cost**
  - **No masking labor**
  - **Low consumable cost**
  - **No Media required**



## LSP Added Value Vs. Shot Peening Israeli Aerospace Market

### ➤ Example (IAI )

- failure is occurred in areas with highest stress concentration, LSP solve the problem





## **Interest In Israeli Aerospace Market**

### **➤ Potential Applications**

- **Critical parts fatigue improve by replacement of shot peening – IAI \ ASHOT**
- **Engine components process improve ( discs & blades ) – BSEL**
- **Wing Skin panels laser forming – IAI**
- **Machined Parts straightening – IAI \ ELBIT**
- **MRO improvement - IAI**
- **Rocket Boosters LSPF**
- **Developing - LSP on ceramics**
- **Improving Additive manufacturing parts - IAI**