

# ASELSAN; An Engineering Company



**R&D Cooperation with  
more than  
20 Universities**



**Industry Cooperation  
400 Subcontractors**



**Exports to 47 Countries**

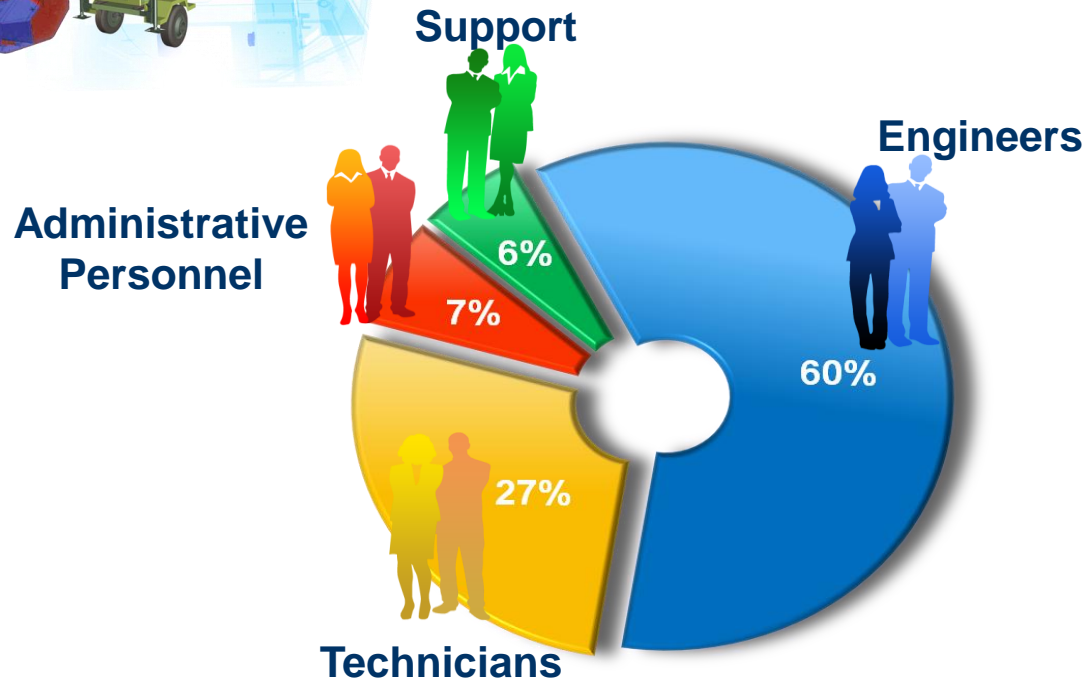


**aselsan**

**Average 7% of Yearly Turnover**

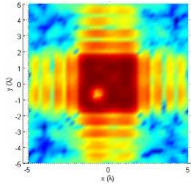


**Total Employee : 4626**  
**Engineers : 2719**  
**R&D Engineers : 2241**

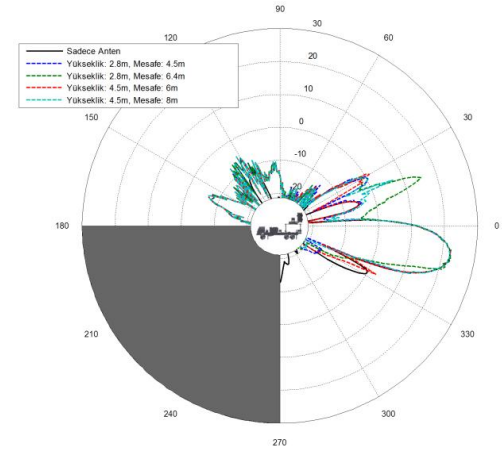
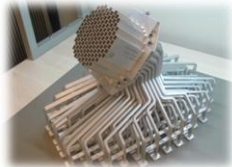
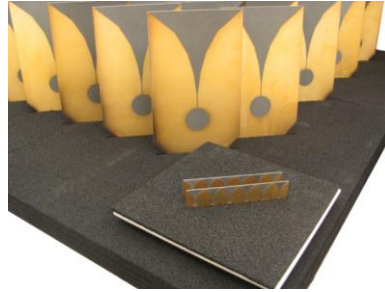
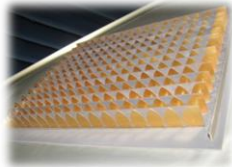
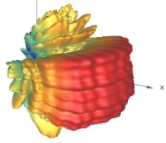


# Some of Our Capabilities

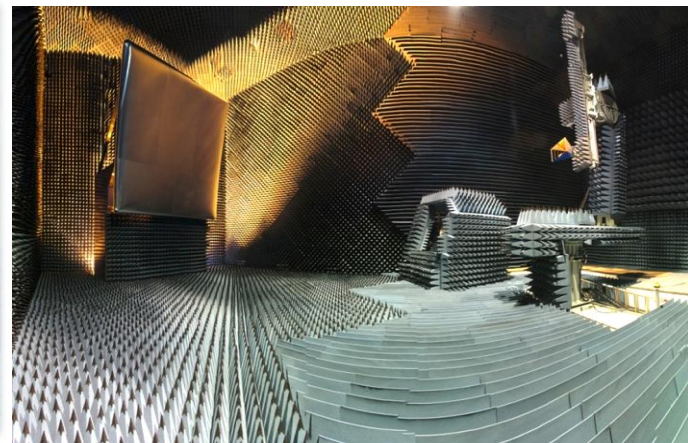
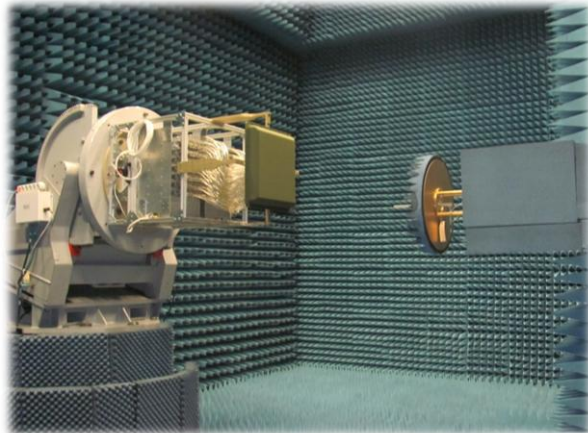
## Antenna Design, Production



EM Simulations

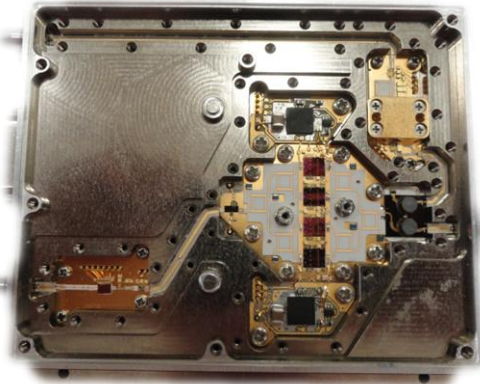


## Near and Far field test

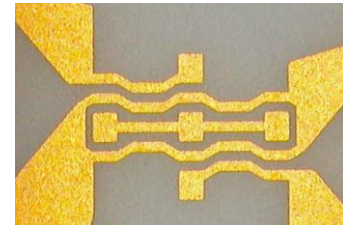
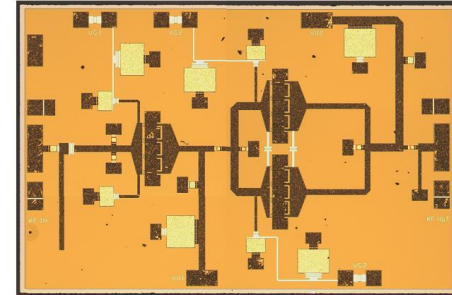


# Some more capabilities..

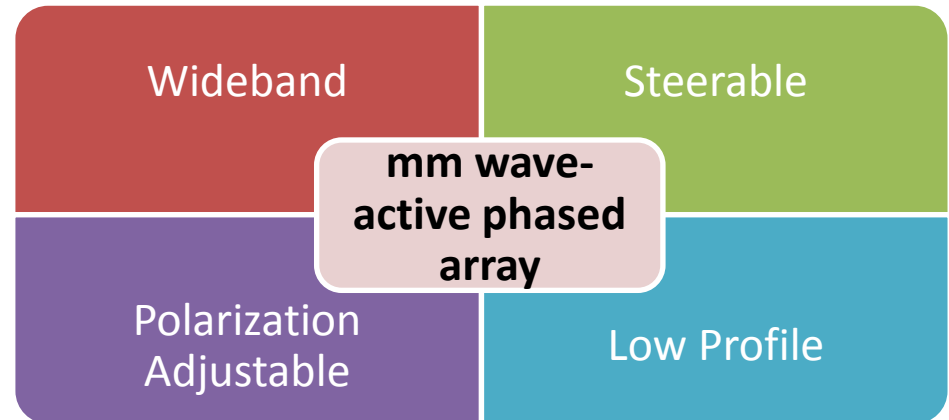
## Microwave Design and Production



## MMIC Design, Thin Film Design



## 5G projects;



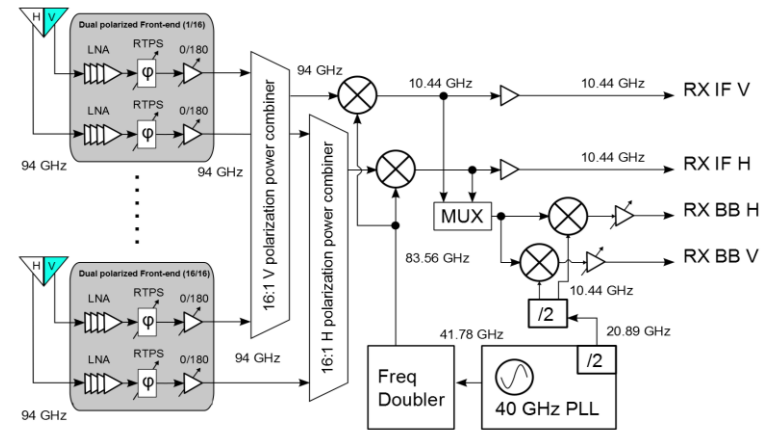
# Ongoing 5G related projects and collaboration opportunities

On going projects:

## 28/94 GHz Phased Array Antenna Systems

- Massive MIMO Antenna system
- Multi-channel multi-functional SiGe chip
- Multifunctional GaAs PA MMIC,
- Millimeter Wave modules integrating antennae and chips
- Digital control circuitry for beam steering
- Digital data input

## 16 Channel, 94 GHz Receiver and Transmitter MMICs



Looking for collaboration opportunities w/ capabilities in :

- Phased array antenna for base stations and backhaul links at 28 GHz
- Phased array antenna for backhaul links at 94 GHz
- Phased array antenna for short range data transmission at 94 GHz