# **Small GEO Satellite Workshop**

29-30 June 2006

# Saab Ericsson Space Group

# Bengt Mörtberg, CEO





## Saab Ericsson Space Group The Independent Space Equipment Supplier



#### 2005

2

Sales: Orders received: No of employees: 673 MSEK [ 90 MUSD / 72 M€] 555 MSEK [ 74 MUSD / 60 M€] 527

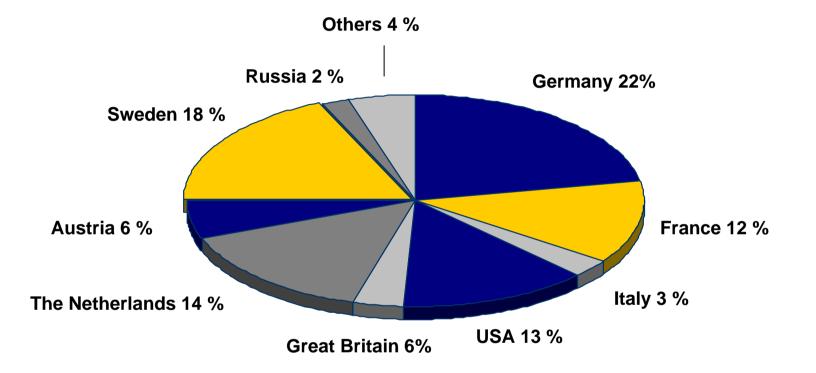




Total sales 2005 Saab Ericsson Space Group: 673 MSEK [90 MUSD / 72 M€]



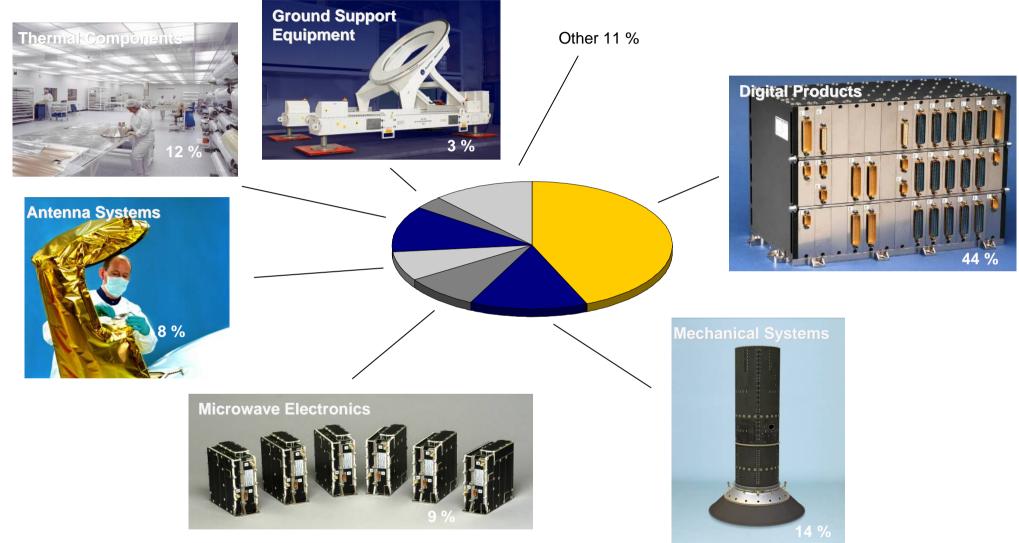
### **Orders received 2005 - Countries**



Total orders recived 2005 Saab Ericsson Space Group: 555 MSEK [74 MUSD / 60 M€]



## Sales 2005 - Product Areas



Total sales 2005 Saab Ericsson Space Group: 673 MSEK [90 MUSD / 72 M€]



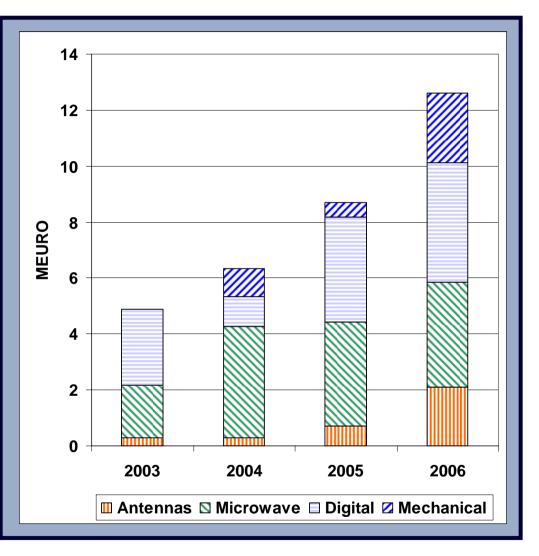
### Customers



### **Technology & Product Development**

### <u>Continuous product development</u> to:

- Reduce cost
- Shorten lead time
- Avoid ITAR components
- Handle new services
- Respond to end customer need





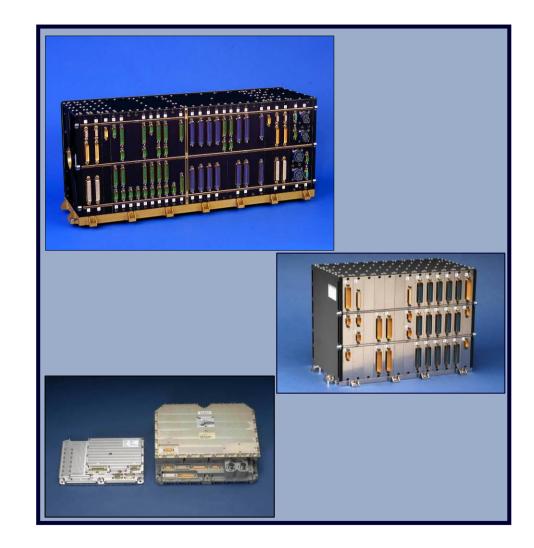
# **Digital Electronics**

### **Command and Data Handling Systems**

- to more than 80 satellites in telecom, science and earth observation:
  - StarOne
  - PanAmSat
  - Eutelsat
  - Pleiades
  - Galileosat
  - and more...

#### • New computer core offers:

- 30% reduction in # of boards Higher Processor performance Higher memory capacity Flexible building blocks
- New I/O module concept will offer: 30 – 50% reduction in # of boards
  - 50% lower power consumption



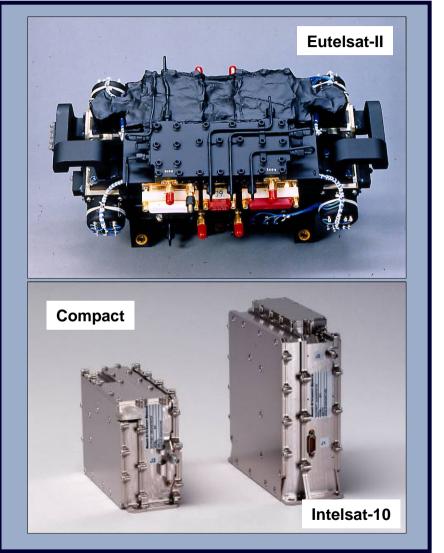


### **Microwave Electronics**

### **Receivers/Converters**

- Bent-Pipe payloads
  - Ku-band and C-band (more than 200) Ka-band (more than 300)
- On-Board Processing Ku/C/S/IF bands (more than 200)

 New compact design offers: 40% less mass 20% lower price 2 months shorter delivery time





### Antennas

### **Reflector Antennas**

 Gregorian earth deck antennas to Sirius
Eutelsat
AMC

StarOne

 Simple generic design offers: Very low mass
Competitive price
Short delivery time





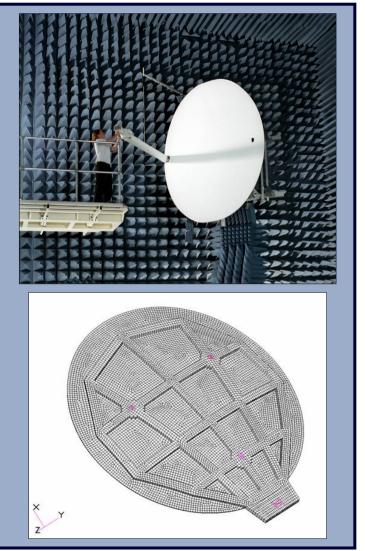
### Antennas

#### **Reflector Antennas**

 Large fixed or deployable to SAR Lupe Cryosat Rosetta

and more...

- New patented mfg method will bring: Surface accuracy & stability for Ka-band 30% lower mass 30% lower price
  - 3 months shorter delivery time





## Antennas

#### **Array Antennas**

 Arrays for mobile services to ICO Thuraya Artemis EMS several thousands delivered

 New development will give: 50% reduction in # of elements (Tx + Rx) Dual polarization in each element Increased power handling capability

