AEROSPACE AND MANUFACTURING

CENTER FOR AEROSPACE SCIENCE TECHNOLOGY

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Overview

State Contract	$ 490,000
Matching Funds	$1,412,381
Benefitting companies	59
Industry jobs created	59
Fac/Staff/Grad Stud/Doc	11

Technologies

- Small satellite design including such features as
  - +particle detectors
  - +color cameras
  - +light detection for ozone mapping
  - +magnitometers
  - +microcomputers
  - +packet radio
- Developing sun angle detector

Status

- Webersat satellite scheduled for launch in Jan. '90
- 50% probability of AMSAT satellite contract for $1.5 MM
- High probability of designing and building first satellite for Korea
- Working with Intraspace on satellite to read power meters

Economic Impact

- Magnitometer developed by center has been licensed by Orchid Engineering of Huntsville, Utah
- Helped move new company here, Intraspace with 60 jobs and $6 million in contracts
- Designed sun sensor used on Navy satellite
- Direct funding of small satellites is growing
- Satellite to read power meters could be multi-million dollar royalty opportunity.