CENTER FOR ADVANCED MATERIALS AND MICROELECTRONICS

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Overview

State Contract	$ 649,780
Matching Funds	$10,764,967
Benefitting companies	146
Industry jobs created	2
Fac/Staff/Grad Stud/Doc	36.5

Technologies

- Multiple layer epitaxy
- Microprocessor design
- III/V compound chip design
- Ceramics as solid electrolytes
- Composite materials

Status

- Focus on III/V compounds, composites & cermamics estb.
- Advanced material for infrared detection in 8-12 micron range designed & disclosed to patent office
- Advanced material to facilitate yellow solid state laser designed
- Leading edge research in bismuth oxide fuel cells
- Close collaboration with local composites manufacturers

Economic Impact

- Option on infrared detection chip license taken by Space Eng. Inc., Logan, Utah
- Bonneville Microelectronics start-up to commercialize products from center research
- Center heavily involved helping move a branch of IBM, Philips or Hewlett Packard to Utah
- Ceramatec, Beta Power Inc. and Edo Western are successful small high tech ceramics firms spun-out from ceramics research at U of U