

The Arizona Research Institute for Solar Energy

<http://www.azrise.org>

The Energy Challenge

Sustainable energy strategy must address key environmental and economic issues!

The Arizona Research Institute for Solar Energy (AzRISE)
An Integrated Approach is Required

Arizona is Uniquely Positioned for Solar Energy Leadership

Geography and Technological Innovation and Development

*Renewable energy generation
energy storage
distribution and smart grid
solar desalination*

*Solar energy and architecture
sustainable living ,
performance arts , classics,
history and culture,
human perception*

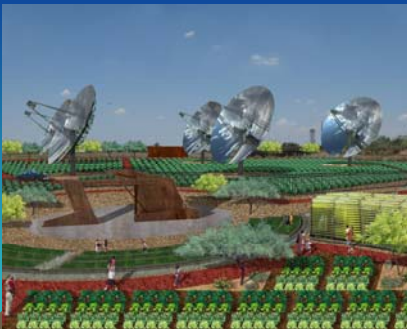
*Renewable Energy
Curriculum development
Education and Outreach
Workforce Training in
alliance with University of
Phoenix*

*Research and development
in science and technology,
in systems designs ,
in economic analysis ,
in policy analysis and
development*

*Human perception
Consumer attitudes
Social dynamics
Policy development*

AZRISE

Demonstration Projects in Phoenix and Tucson



Student Projects

- Solar Decathlon: <http://www.solardecathlon.org/>
 - 20 schools (international) compete on the DC Mall to operate a house on solar energy for 2 weeks
 - UA team was selected to compete in 2009
 - Southwestern solar house design
 - Innovative designs for heating/cooling
- Solar Race Car: <http://www.solarcar.arizona.edu/>
 - North American Solar Challenge
 - Arizona Solar Car Rally



AZRISE

The University of Arizona
in alliance with
University of Phoenix

