

Mission:

- *to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense...*
- The only federal agency whose mission includes support for **all** fields of fundamental science and engineering.

National
Science
Foundation



NSF by the Numbers



Research, Education, Partnerships



- **POWER**: Providing Opportunities for Women in Energy Related Careers – ISU ‘15
- **ENERGY**: ENgaging Educators in Renewable EnerGY – GSU ‘16
- **CREAM**: Center for Renewable Energy and Advanced Materials - NSU ‘16 - CREST
- Paths to Sustainable FEWS in Resource-Limited Communities – UI ‘16 - **INFEWS**
- **ENSURE** - ENgineered Solutions for rUral Resilience – U N ‘19 –ERC
- **AWARE** :Advancing Women And underRepresented Entrepreneurs | ACCelerating Entrepreneurial succeSS (**ACCESS**): Building Innovation Capacity through Diversity ‘16



Fundamental Research

Fuel Cells

Waste to Energy systems

PV, Energy Storage, EV, Smart Grid.....

Programs

Catalysis, Energy, Electrochemical Systems,

Environmental Sustainability, Power, Control,
and Networks.....





America's
SEED FUND
SBIR.STTR

WE INVEST UP TO
\$1.75 MILLION IN
SEED FUNDING.

**AND TAKE ZERO
EQUITY.**

High-risk, high-impact
\$200 million

Technologies that promote
the social good.

400 Start-ups every year





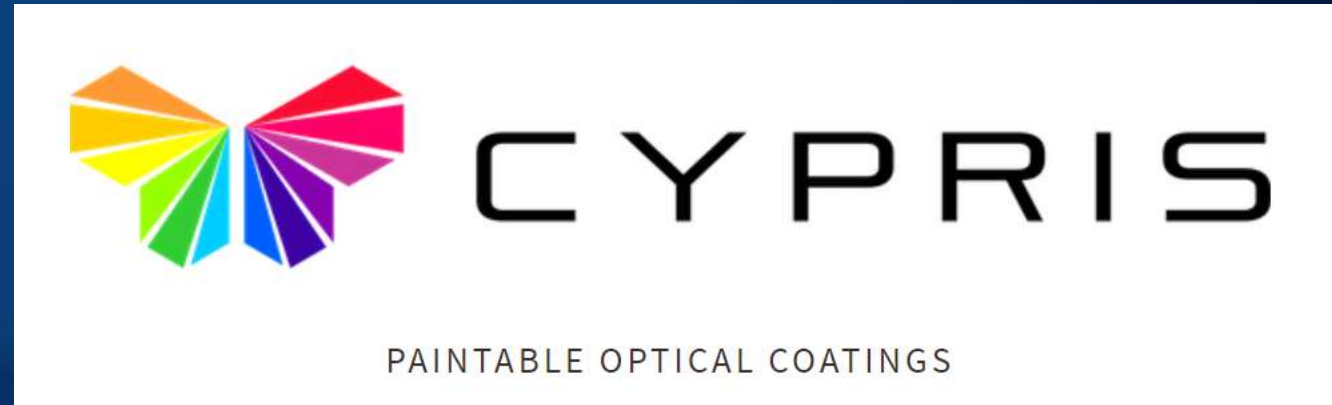
Solar Concentrator Unit

Low-cost metal AM

Welding | Sanitizing | waste to Feedstocks



Hydrokinetic power
from shallow streams



Structural colors
Cooling of roofs

