

Photovoltaic Testing Laboratory (ASU-PTL)

Mani Tamizh-Mani

ASU-PTL

Strategy

Mission

1. Ensure reliable and safe commercial photovoltaic products enter the marketplace
2. Generate business-ready students for the industry

Vision

1. Create a sustainable (self-supporting) testing and certification laboratory for reliability and safety
2. Integrate the testing laboratory with academic and research activities

Accomplished

- ❑ 1992: ASU-PTL established (only accredited design qualification lab in the United States)
- ❑ Self-supporting with 33 staff
- ❑ Served more than 160 manufacturers worldwide
- ❑ Participates standards development committees
- ❑ More than 280 certificates issued
- ❑ More than 3000 PV modules tested
- ❑ DOE Funding: Four large projects in 2007-2008
- ❑ BS & MS programs on “Alternative Energy Technologies” – Catalyzed by PTL

Future

- ❑ Reliability Research: Predict lifetime of PV modules
- ❑ Materials testing: Pre-qualification of supply-chain components of PV modules

