

# Solar Research Lab

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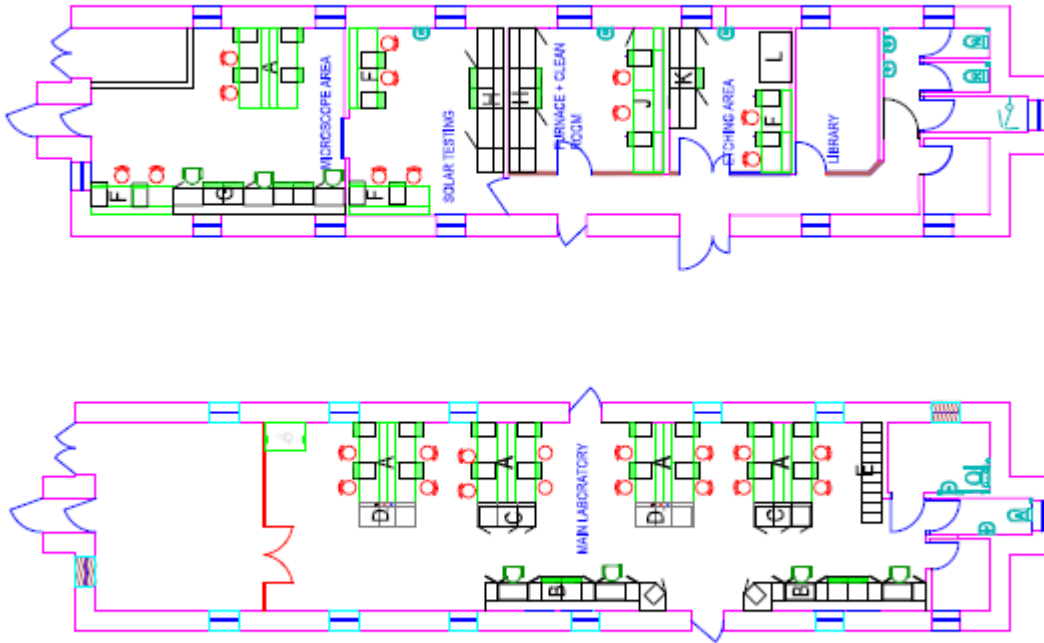
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Outstanding Past  
Bright Future

# Solar Research Lab

- primarily focused on defects in materials.



Institute for Sustainable Energy  
University of Malta

# Capability

- ▶ Equipment is currently being purchased (by tender)
- ▶ Laser scattering tomography
- ▶ Photoluminescence
- ▶ Lifetime
- ▶ SPV
- ▶ Raman
- ▶ High Resolution IR Imaging
- ▶ FTIR
- ▶ 4 point probe
- ▶ Microscopes
- ▶ AFM
- ▶ Sample Prep equipment
- ▶ Spectroscopic Reflectometer
- ▶ Ellipsometer
- ▶ Furnaces
- ▶ Flash tester – panels and cells
- ▶ PECVD
- ▶ Sputter coater
- ▶ Silk screen printing
- ▶ Etching facility
- ▶ Etc...
- ▶ Initially adding 3 people
- ▶ + students + visiting students/researchers
- ▶ Strong collaboration with industry.



# SolAqua – Photovoltaics on water

- ▶ Motivation – scarcity and expense of land.
- ▶ Launching 1<sup>st</sup> prototype next month
- ▶ Project running until 2016

