

Center of Research Excellence in Renewable Energy

المملكة العربية السعودية
وزارة التعليم العالي
MINISTRY OF HIGHER EDUCATION

Dr. Habib Ibrahim Abualhamayel

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Scientific Equipment Obtained

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The following is the list of equipment we've obtained thus far to equip our laboratories at the Center of Research Excellence in Renewable Energy (CoRE-RE):

CoRE-RE has obtained the following scientific equipment:

Equipments Obtained for CoRE-RE Labs
✓ Plasma enhanced chemical vapor deposition tool
✓ Electro spinning machine
✓ Spin Cortex
✓ Hall effect measurement
✓ Ellipsometer
✓ Microwave photoconductive decay



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- ✓ *Semi Conductor Characterization System*
- ✓ *Accelerated weathering tester*
- ✓ *IV measurement system*
- ✓ *Weathering Station*
- ✓ *Solar thermal systems*
- ✓ *Electron Beam Induced Current*
- ✓ *Vacuum gauge*
- ✓ *Oscilloscope*
- ✓ *Biologic Fuel Cell Test Station (FCT-50)*
- ✓ *Arbin Fuel Cell Test Station*
- ✓ *Electrochemical Reactor System (ECRS) for Solid state CO₂ conversion to hydrocarbon*
- ✓ *VMP3 Biologic Multichannel Workstation*
- ✓ *Autolab PGSTAT100 with Current buster and EQCM*
- ✓ *Agilent's 7890A Gas Chromatography*
- ✓ *Carbolite STF Tube Furnace*
- ✓ *Bench top Muffle Furnace*
- ✓ *LABOMED double beam UV-VIS Spectrophotometer*
- ✓ *Milli-Q Advance A10*
- ✓ *Thermo Scientific Lindberg/Blue M Deluxe*
- ✓ *Thermo Scientific Hi-Tem Vacuum Oven*