

INTRODUCTION

Energy Storage can mitigate the negative effects of power outage, assist to improve national grid stability and enable South Africa to tap into its vast renewable energy potential, specifically from wind and solar sources.

Expertise on advanced battery development, manufacturing and validation has merged at the University of the Western Cape to form the Energy Storage Innovation Laboratory (ESIL).

This facility's main aim is to create an interface between energy storage technology development projects (such as our unique ultra low cost battery development for national grid stability), innovation partners and potential industrial customers in need of advanced energy storage solutions, to cross the "Innovation Chasm".



PRODUCTION LINES



OUR STRENGTHS

- ◆ Development, Validation & Localization of wide range energy storage systems for South African industry and community
- ◆ Production of pouch (15-20 Ah) and cylindrical cells (2Ah) suitable for energy storage applications including Solar & Wind
- ◆ Development of low cost thermal cells for Grid Scale stabilization and energy storage
- ◆ Battery Management Systems and Power Packs development and manufacturing
- ◆ Extensive network with Energy Storage Developers, Manufacturers and System Integrators from South Africa, China, India, USA, Germany and other counties