

The SIREN Toolkit development team

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The SIREN Toolkit development team is a multidisciplinary group with direct experience in the renewable energy industry. Our core members are university qualified engineers, scientists, educators and business professionals, with over 140 combined years of industry experience in fields such as software development; power, mechanical, electrical and systems engineering; technical writing; business management and education. The members of the Review and Promotion Teams add even more to the core team experience, with qualifications and experience in geology, finance, agriculture, environmental science and policy development in both government and private sectors.

SIREN Developer	Angus King
Powerbalance Programming and Research	Ben Rose; Len Bunn
Technical and Engineering Support	Steve Gates; Craig Carter
Review Team	Amanda Berry; Sam Begg; Shane Overington; Shahan Jerejian; Chris Johansen
Promotions	Gilda Davies; Cameron Power; Chris Johansen

Angus King BSc(Hons) (UWA); BAppScEnergyStudies (Murdoch); MBA (UWA)

Angus has over forty years' experience in information technology, predominantly in software development. His passion for renewable energy technologies over the last twenty years has led him to tertiary studies in the field and to being one of the first people to install a grid-connect PV system in Western Australia.

Ben Rose BScEnvStudies (Murdoch); GradDipEd (Curtin)

An energy and emissions and analyst and carbon sequestration assessor for five years, Ben was a founder of Carbon Neutral in WA. He worked for 13 years for the WA Department of Agriculture in natural resource management and for two years as a secondary science teacher. Over the last 15 years he has written several technical publications on sustainable agriculture and carbon sequestration: his 'Personal Carbon Emissions Calculator' can be downloaded from ghgenergycalc.com.au.

Len Bunn BEngElect (UWA)

Len is a Principal Systems engineer and co-founder of Plexal Group, a multidisciplinary engineering services company with operations across Australia and South East Asia. Len has 25 years experience in the international oil and gas industry, including business case development and concept design through to detailed engineering, construction and commissioning. In the past ten years Len's focus has moved to sustainability across all aspects of society, with a particular application on renewable energy systems.

Steve Gates BScMech&EnvirEng (UC Santa Barbara, California)

Steve a mechanical engineering consultant with further studies in Mechatronics. He has 35 years R&D engineering experience in the offshore oil and gas, defence, agriculture and manufacturing industries.

Craig Carter BScPhysics (UNSW); BEngElect (Hons); MBA (UWA)

Since 2013, Craig has held the position of Adjunct Professor, Murdoch University School of Engineering and IT, where he lectures and supervises thesis students on renewable energy. He is researching PV integration in diesel networks and solar forecasting and also co-supervises Masters and PhD students in this area. Prior to this, Craig worked for Western Power/Verve Energy for 17 years designing wind and diesel systems at Denham, Esperance,

Hopetoun, Bremer Bay, Rottnest Island and Coral Bay; wind farms near Albany, Kalbarri and Geraldton; and a 10MW solar farm.

REVIEW TEAM

Amanda Berry - 2015 SEN Policy Lead. CertNatSc (Open); DipBusMgmt (TAFE); DipQualAuditing (SAI Global); GradCertBus (Curtin).

Amanda has over ten years' experience in business facilitation and systemic improvement, in both government trading enterprises and the private sector.

Sam Begg- 2015 Vice-chair of SEN. BScMath/Physics; BEngMech(Hons) (UWA)
Currently pursuing further studies in mathematics.

Shane Overington BEngElect(Hons)(Curtin); PhDEnergyMgmt/Hybrid Vehicles; IEEE

Shahan Jerejian BEngMech (Curtin); MEngMgmt (Curtin)

Shahan is an engineering professional with over 14 years' experience in the water, mining and oil & gas sectors. Shahan's passion for renewable energy inspired him to carry out a case study on a Western Australian utility company, for his Master's research project, where he investigated the innovation opportunities in solar roof-top technologies.

Chris Johansen – SEN Events Coordinator. PhDAgric (UWA)

Career in international agricultural research and development for over 40 years.

PROMOTIONS TEAM

Cameron Power - 2015 Chair of SEN. BEngMech(Hons) (UWA)

Currently undertaking a Masters in Communication Management.

Gilda Davies – SEN Outreach Coordinator

MBA plus qualifications in International Business, Environmental Science, Governance and more. Manager, Training and Development, Volunteering WA.

Chris Johansen – SEN Events Coordinator