

PROVIDING A SUSTAINABLE SUPPLY OF QUALITY POWER ENGINEERING GRADUATES TO ENERGY INDUSTRY

INITIATIVES	IMMEDIATE ACTIONS 2017/18	MEDIUM TERM ACTIONS (2-4 years)
1. Actively promoting engineering in schools	<ul style="list-style-type: none"> Continued support of STELR Project in high schools and API Bursary Students Speaking at STELR Solar Car Challenge Schools Coordination of bursary students to participating solar car challenge schools to be organised centrally by API Pilot / Launch concept of Day in the Life Program targeting primary school (In conjunction with STELR) 	<ul style="list-style-type: none"> Investigate further industry support of ATSE STELR Program to promote power engineering to school students
2. Delivering a successful bursary program to promote and market API and power engineering	<ul style="list-style-type: none"> Continued provision of API Bursaries for up to 20 in 2017 Facilitate placement of API Bursary holders with member organisations for summer vacation placement through interview workshops in each State in September each year API State coordinating groups (industry members and universities) actively supporting API Bursary Program Link API Vacation Placement suggested skills and competency development document with API Bursary Vacation Employment Supervisor feedback 	<ul style="list-style-type: none"> Increase opportunities for bursary students to undertake vacation employment in renewable energy companies.
3. Coordinating networking between industry, students and universities	<ul style="list-style-type: none"> API to arrange state by state informal networking events between students recent graduates within industry and academics – 1 per year per state API bursary awards to be interactive and engaging between bursary students and recent industry graduates Implement an API web page for API Bursary students to “post” their final year projects/thesis in a poster format for all API members to access. Continue facilitation of CIGRE NGN with API 3rd Year Bursary Students to provide coaching and guidance Facilitate API student participation in local industry conferences (e.g. Australian Solar Council & Energy Storage Conference, EECON, & AUPEC) 	<ul style="list-style-type: none"> Survey members to collect information on provision of industry projects for final year students to undertake and assess if facilitation of this by API would be a value adding member service
4. Increasing inclusion and diversity in power engineering	<ul style="list-style-type: none"> Continued support of women early career academics Leverage support of UQ Women in Engineering sponsorship to disseminate marketing processes and materials to other universities Assist STELR Project with Government Grant to encourage girls into STEM subjects Explore opportunities for indigenous and South Sea Islander Scholarships 	<ul style="list-style-type: none"> Conduct another Workforce Perceptions Survey to gauge the current inclusion and diversity perceptions

FACILITATING A STRONG POWER ENGINEERING EDUCATION PLATFORM FOR UNDERGRADUATE STUDENTS & EXISTING INDUSTRY PROFESSIONALS

INITIATIVES	IMMEDIATE ACTIONS 2017/18	MEDIUM-LONG TERM ACTIONS (2-4 years)
<p>1. Aligning power engineering curriculum to position graduates for future career success and industry benefit</p>	<ul style="list-style-type: none"> • Work with academics to identify and develop new modules for access by all Australian Universities • Facilitate universities to share entrepreneurial and SME startup approaches and resources in their engineering programs • Undertake annual survey of University teaching, learning and curriculum. 	<ul style="list-style-type: none"> • Develop two new power engineering undergraduate modules based on renewable energy and storage
<p>2. Bridging industry and universities to align common understanding of industry skills and priorities</p>	<ul style="list-style-type: none"> • Develop framework for cooperatively determining industry needs and university capability in power engineering education • Develop appropriate arrangements for continued support from Professor Simon Bartlett to assist API Innovation Project initiation and delivery 	<ul style="list-style-type: none"> • Facilitate University adoption of entrepreneurship in undergraduate courses
<p>3.. Offering a suite of professional development training courses relevant to industry</p>	<ul style="list-style-type: none"> • Promote and organise The API PowerChem conference May 2018 • Organise API power engineering Summer School (Feb 2018) in Melbourne • Develop webinar Master Class series • Work with Australasian Transformer innovation Centre as Platinum Sponsor to provide industry value adding education (including syndicate at API future Summer Schools) 	
<p>4. Supporting industry events/conferences and related forums</p>	<ul style="list-style-type: none"> • Sponsorship of TechCon, and Energy Storage Summit/Conference • Promote and participate in CIGRE, Electric Energy Society, and Energy Network Australia forums & conferences 	

COORDINATING INDUSTRY AND UNIVERSITY INNOVATION INITIATIVES

INITIATIVES	IMMEDIATE ACTIONS 2017/18	MEDIUM-LONG TERM ACTIONS (2-4 years)
<p>1. Implementing a r2D framework in collaboration with the energy networks association</p>	<ul style="list-style-type: none"> • Provide secretariat function for Innovation Steering Group established to manage framework, process, funding, and project recommendations to API Board and ENA Asset Management Committee. • Communication of r2D Initiative to key stakeholders (Industry, Government, Universities) 	<ul style="list-style-type: none"> • Support Industry efforts for regulatory innovation factor similar to UK RIO regime.
<p>2. Accessing university and industry partners capability to enable r2D framework</p>	<ul style="list-style-type: none"> • Conduct annual review of University and/or research organisation capabilities. • Develop appropriate arrangements for continued support from Professor Simon Bartlett to assist API Innovation Project initiation and delivery 	
<p>3. Delivering agreed innovation priority projects</p>	<ul style="list-style-type: none"> • Facilitate delivery of six identified innovation priority issues and topics in 2017. • Support for Innovation Steering Group to prioritise projects, develop business cases, report and monitor approved projects. • Communicate innovation project successes and seek new projects from Industry. 	

EXPANDING MEMBERSHIP & PROVIDING VALUE FOR MEMBERS

INITIATIVES	IMMEDIATE ACTIONS 2017/18	MEDIUM-LONG TERM ACTIONS (2-4 years)
<p>1. Expand API membership aligned to the transformation of the energy industry</p>	<ul style="list-style-type: none"> • Continue to Promote the Bursary Sponsorship offer to Australian Solar Council & Energy Storage Council members • Continue to Research Renewables companies to identify engineering managers to target as potential API members • Develop most effective mechanism to engage renewable organisations to determine the value propositions from API which would interest them to become API members. 	<ul style="list-style-type: none"> • Engage with Clean Energy Council to identify potential API members
<p>2. Demonstrating API as value for members by delivering on API's strategic plan objectives</p>	<ul style="list-style-type: none"> • Increasing communications and developing closer relationships between member company CEOs • Maintain LinkedIn page to communicate current achievements and initiatives • Increase contacts within communication database with members and non-members • Maintain communication with monthly newsletters (Vision6) • Undertake Workforce Planning Report 2017 and API Member representative API value survey 	
<p>3. Extending reach of training into the Asia Pacific region</p>	<ul style="list-style-type: none"> • Expand our contacts within Asia Pacific region • Promote API initiative & offerings in Asia Pacific region 	<ul style="list-style-type: none"> • Consider development of Asia Pacific focused continuing professional development program. E.g. webinars, master classes, work exchanges, Summer School attendance.