WHO ARE WE?

- 35 Academic Staff (19 Professors)
- 44 research Staff
- Over 130 PhD Students
- Over 450 Undergraduate Students
## RESEARCH STRENGTHS

<table>
<thead>
<tr>
<th>Energy</th>
<th>Chem Eng Science</th>
<th>Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metallurgy and Minerals Processing</td>
<td>Materials</td>
<td>Bioengineering</td>
</tr>
</tbody>
</table>
RESEARCH EXCELLENCE

• UQ Chem Eng was ranked in the top 16 world wide in the 2012 QS subject rankings for Chemical Engineering and was the top ranking School in Australia.

• In the recent ERA study, UQ Chemical Engineering was given the highest score awarded for chemical engineering in Australia.

• Research Income ~$11M p.a. (~$5M from industry)

• 3 ARC Future Fellows, 1 ARC Professorial Fellow, 5 Industry Funded Chairs (BMA, XSTRATA, Theiss, DOW and CCSG)

• 2 Industry Funded Lecturers (IWC & IEC)

• 3 Industry Funded Research Fellows (Bao Steel, Fangyuan, Rio Tinto)

• ‘Spinoff’ Chem Eng related activities:

• 2 recent Spinoff Companies:
INDUSTRY FUNDING BY SECTOR (2009-2012)

- Environment: 4%
- Agriculture: 7%
- Bioengineering: 1%
- Other: 13%
- Energy: 26%
- Metallurgy & Minerals: 28%
- Materials: 21%
RESEARCH – INDUSTRY PARTNERS
RESEARCH – INDUSTRY PARTNERS

CRC for Polymers
Pepsico
BHP Billiton Limited
Agrichem - Liquid Fertiliser Pty Ltd
Aramco Overseas Company B.V.
Shandong Fangyuan Nonferrous Metals Group
Baoshan Iron and Steel Co Ltd
Australian Coal Research Limited
CRC for Greenhouse Gas Technologies
Origin Energy Resources Limited
AnoxKaldnes AB
Carbon Synergy Pty Ltd
Eden Energy Ltd
Queensland Alumina Limited
Rio Tinto Alcan Technology Pty Ltd
The Parker CRC for Integrated Hydrometallurgy Solutions
Origin Energy Ltd

BHP Billiton Worsley Alumina Pty Ltd
RSL Care
Xstrata Copper
Water Services Association of Australia Limited
Stanwell Corporation Ltd
NewCrest Mining Limited
BP Refinery (Bulwer Island) Ltd
BlueScope Steel Ltd
Pfizer Pty Ltd
Fluorsid S.p.A
Hamersley Iron Pty Limited
SNF FloMin Inc
Unilever UK Central Resources Limited
DOW
BMA
Xstrata Coal
## A history and culture of innovation and leadership in engineering education

<table>
<thead>
<tr>
<th>Year</th>
<th>Milestone</th>
</tr>
</thead>
<tbody>
<tr>
<td>1980’s</td>
<td>Resource based education</td>
</tr>
<tr>
<td>1990’s</td>
<td>Project centred curriculum (PCC) developed</td>
</tr>
<tr>
<td>2000’s</td>
<td>National/international recognition of PCC</td>
</tr>
<tr>
<td></td>
<td>4 national teaching awards, 2 national fellowships, international secondments &amp; consulting</td>
</tr>
<tr>
<td></td>
<td>International student pathways established</td>
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<tr>
<td>2011</td>
<td>Integrated 5 years BE/ME introduced</td>
</tr>
<tr>
<td></td>
<td>Internationalisation - 1st Australian - French double degree in engineering</td>
</tr>
</tbody>
</table>
National CEQ - Good Teaching Scale (GTS)
Chemical Engineering
LEADERSHIP IN TEACHING & LEARNING

- BE/ME in disciplines of chemical, biological, environmental, materials and, metallurgical engineering
- Postgraduate programs including integrated water management, energy studies and, petroleum engineering
- New and innovative Integrated Bachelor of Engineering and Master of Engineering (BE/ME) program.
PCC chosen in Royal Academy of Engineering & MIT study as 1 of 6 global exemplars in leading engineering education