

MAKE THE WORLD

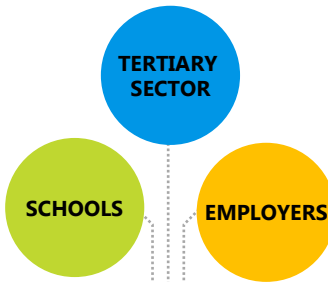
DISCUSSION DOCUMENT
FEB 2015



HOW DOES THE E2E PROJECT SUPPORT THE COMBINED EFFORT TO ACHIEVE THE GOAL OF INCREASING ENGINEERING GRADUATES BY 500+ PER ANNUM BY 2017?

1 INFLUENCE THE INFLUENCERS

It's a collaborative, cross-sector effort. Three connected groups together form the pathway to engineering study:



Patching the pipeline:

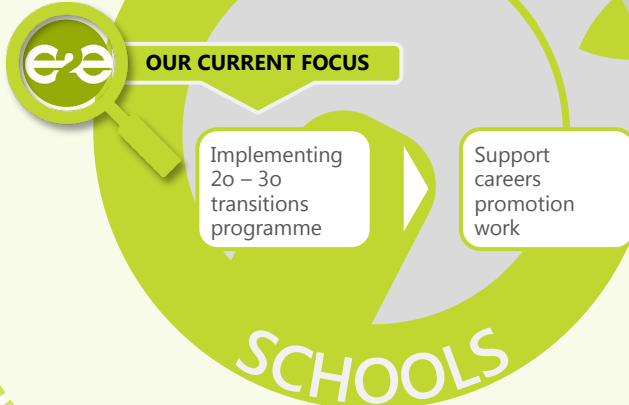
It's important we build a clear line of sight, with identified areas to apply effort and resource.



2 MAKE ENGINEERING AS A CAREER BETTER UNDERSTOOD

AIM: Signal and support early

Lift the profile of engineering options and help shape the learning that leads to them.



3 PROMOTE A COORDINATED EFFORT BY ENGINEERING EDUCATORS

AIM: A connected, coherent resolve

Better links with industry to improve course content and delivery and employment outcomes for graduates, and a more cross-sector approach.

TERTIARY SECTOR

OUR CURRENT FOCUS

Establish mixed mode delivery

Create a network of engineering educators

Preparation for engineering study

More options for course delivery

Our diversity challenge:

Only 13% of engineers are women and Māori / Pasifika are underrepresented.

ALL TOGETHER

The E2E steering group's goal: to contribute to achieving the New Zealand Government's target of an additional 500 engineering graduates each year from 2017, by:

- Developing and implementing a collaborative marketing campaign.
- Giving effect to programme goals and work streams, through engagement with their individual part of the sector.
- Forming effective industry – education provider partnerships.

4 SUPPORT FLEXIBLE PATHWAYS TO AND THROUGH WORK

AIM: Employer participation

To improve and communicate pathways into and through engineering.

OUR CURRENT FOCUS

"Leadership gap" solutions

Share and support good practice

Consultation to determine understanding and need

E2E's research to date has shown:

We need to:

- raise public awareness of engineering and the opportunities it offers.
- highlight the alternative pathways to engineering.

There is significant potential benefit to engineering educators working together.

We need to target bridging courses as a means of supporting entry into qualifications.

Employer contribution to public awareness of engineering is critical.

Employers will benefit from improving recruitment and retention practices.

500+
more engineering graduates per annum by 2017.

EMPLOYERS

OUR SHARED AMBITION:
A skilled New Zealand advantage.

