

Overview of Manchester Undergraduate Design Challenge, December 2010

Design Challenge

The Fourth Annual Institution of Mechanical Engineers design challenge for Universities in the Northwest. 8 December 2010

Organised by the North Western Region –

Institution of
**MECHANICAL
ENGINEERS**

Greater Manchester Area committee.



Manchester
Metropolitan
University

The Challenge:

Compete against other University teams to design and build a pumping device to fill a cylinder.

Race your pumping Device against other teams.

Key features:

Total prize fund £1200

IMechE Trophy for the winning team's university

Grand final at the Manchester Metropolitan University on 8 December 2010.



VENUE:
11am-5pm

John Dalton Building,

Manchester Metropolitan
University,
Faculty of Science and
Engineering,

*Oxford Road
Manchester M1 5GD*

www.mmu.ac.uk

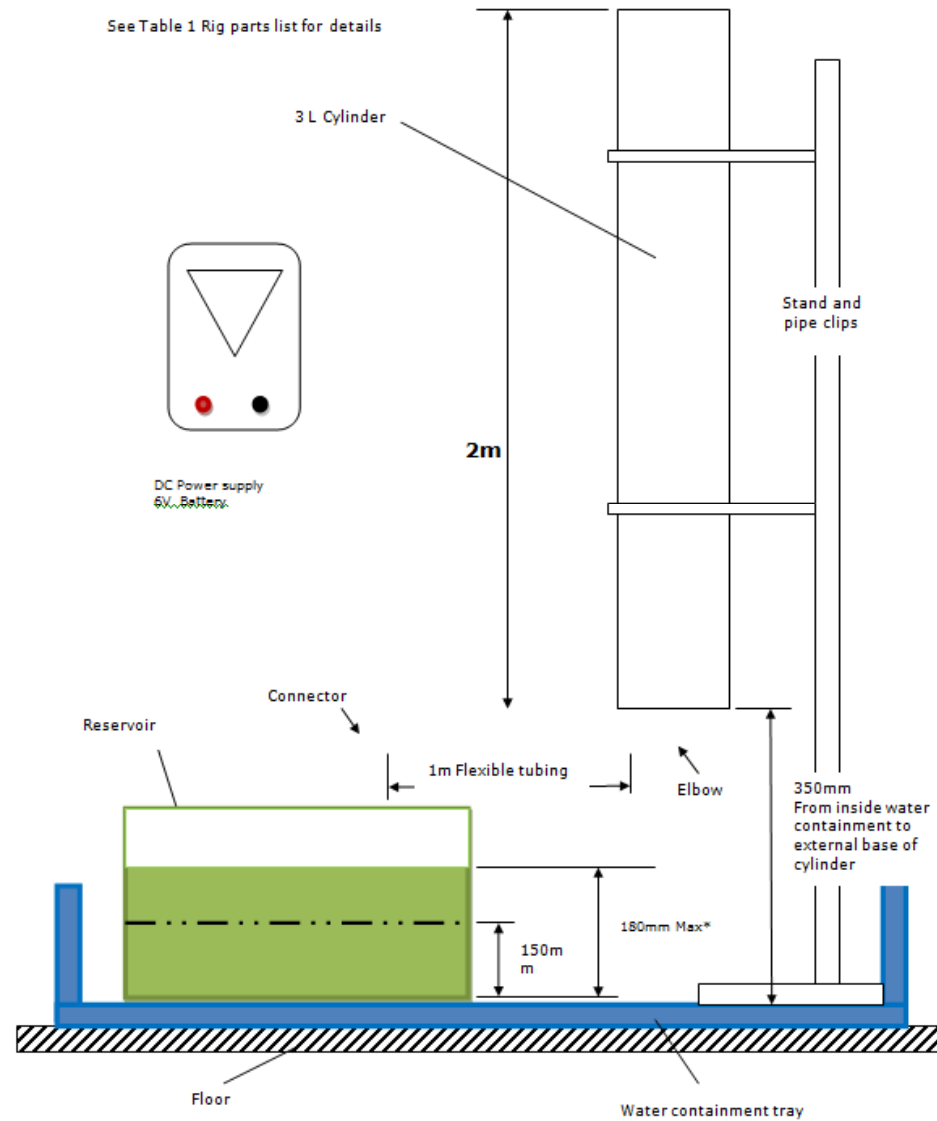
Tel: +44 (0)161 275 6260
Glasgow May 2010 + Tornado Engine 033.jpg
e.mail: d.nolan@mmu.ac.uk
or s.d.iwnicki@mmu.ac.uk



Sample Timetable taken from MMU on 8 December 2010

- 12:00 - Assemble in "The Street" at MMU
- 12:00 – 12.30 - Set-up posters and show pumps to judges.
- 12:30 13:15 - Lunch
- 13:15 - Lecture theatre assembly
- 13:15 – 13:30 - Welcome by Dean of Faculty Prof Pete Dunleavy and Head of School of Engineering Prof Ken Hurst
- 13:30 – 13:45 - Keynote speaker: Dr Colin Brown IMechE Director of Engineering
- 13:45 – 14.45 - Presentations
- 15:00 - Drinks made available
- 15:00 – 16:00 - The Challenge Race: 6 teams at a time – 2 heats, followed by the final
- 16:00 – 16:15 - Intermission – Short video
- 16:15 – 16:30 - Trophy ceremony and prize giving
- 16:30 – 16:45 - Final word and close

Rig Sectional Diagrammatic View



Competition rig at the Dec 2010 competition

