



Novel Solvents for CO₂ Capture

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CEO Carbon Clean Solution Limited

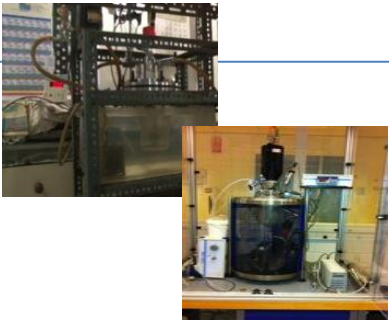
**APGTF Workshop
London, 21st February 2013**

About: Carbon Clean Solutions

2009

Established in India

Extensive R&D on CO₂ capture solvents



2011

Partnership with TNO

Lab scale testing



TNO

2012

UKTI: Top 5 cleantech

DECC grant: £3.6m

Partners: IC, UoL, Pse



Imperial College London

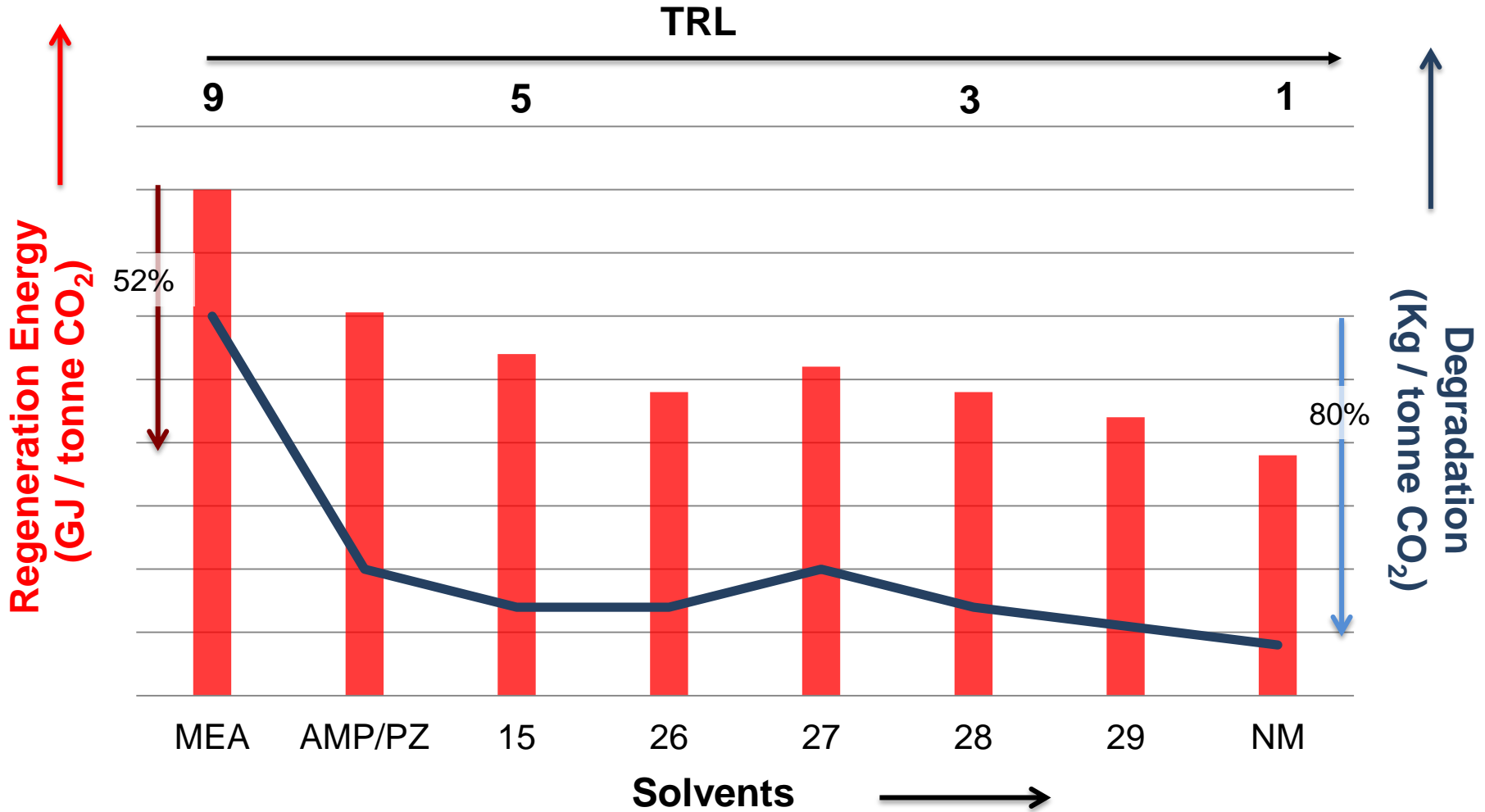
2013

Signup suppliers: equipment, chemicals

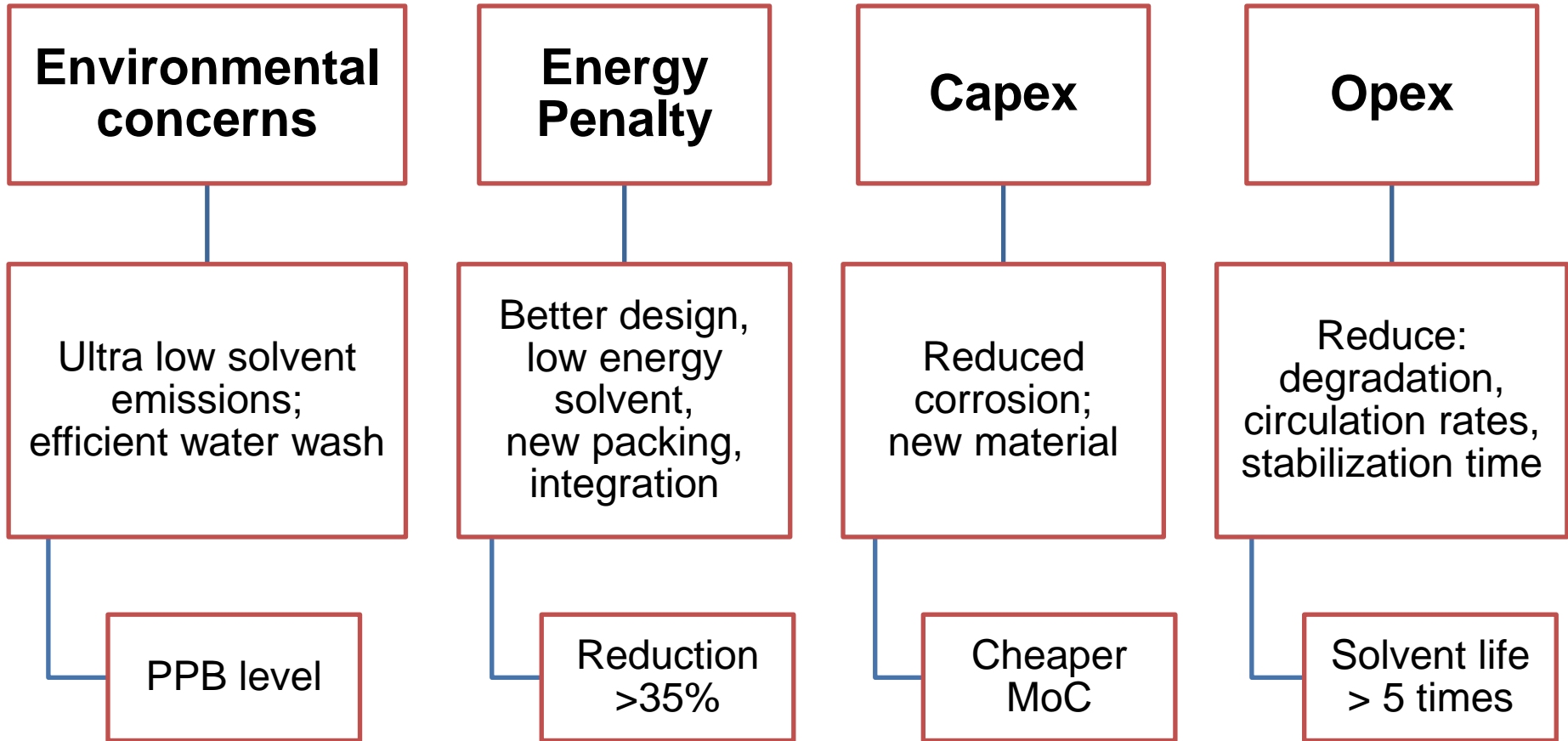
Build team in UK



Performance: Energy & Solvent Loss

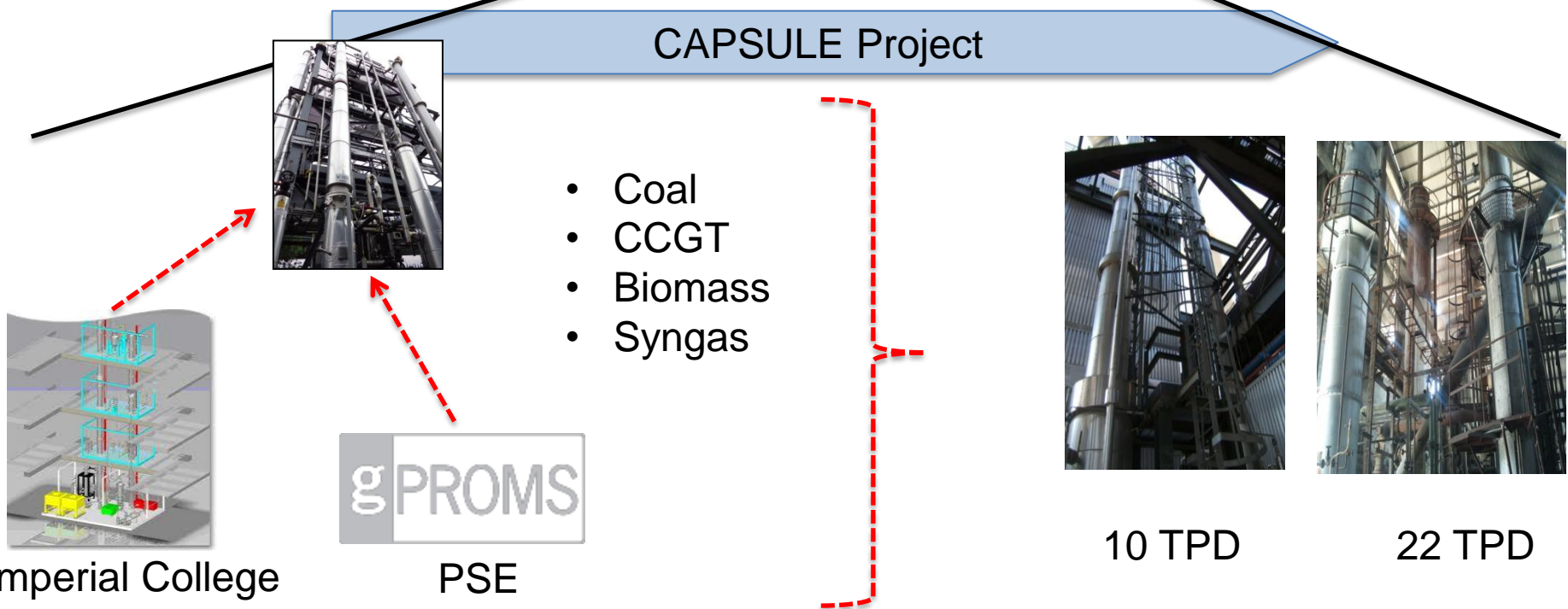


CCS Technology Focus



DECC Grant: Future development

TRL	1	2	3	4	5	6	7	8	9
Work	>30 solvents screened			Detailed data, demo & pre-commercial scale pilots			Commercial scale pilots		
Status	Completed			Started			Planned		





Power –
CO₂ Capture from
coal / gas fired
power plants

Steel –
TGR. CO₂ capture
to reduce
coke/LNG
consumption

Fertilizer & Chemicals –
CDR (CO₂ recovery) for
reusing CO₂ in
fertilizer/chemical
plants

Biogas upgrade
to CNG

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