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FOR CORNWALL

Building new frameworks

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FALMOUTH MARINE SCHOOL

Duchy College

FALMOUTH MARINE SCHOOL

Two years ago…

- Traditional Boat Building
  - Start with heap of timber
  - Beautiful boats at end of year
  - Staff intensive – financially opaque
  - Learners progressing to other activities
- Lecturers disengaged from employers
- Employers disengaged from lecturers!

Now

- 15 Apprentices and increasing weekly
- Increasing geographical spread
- Immediately useful employees - referrals
  - Cornish Crabbers
- Staff and employer engagement
- 26/28 straight into employment last summer
- 2 into HE

Innovation – new materials research – expertise - ktp

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Marine Innovation Service sharing staff with neighbours

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What did we do?

- Visited local businesses - painful
- Talked to networks - - painful
- Visited the disgruntled!
- Looked at the Fal
  - Not many wooden boats
  - Lots of fibreglass boats
  - Lots of steel and a few aluminium boats
- Developed team expertise

Traditional skills still needed
- now embedding composites

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Skills identification

- Employers – typically smaller boat yards
- New course - Yacht fit-out
  - Incorporates composites, electrics, wood etc.
- Mylor Yacht Harbour
- Engineering – incorporates wood, composites, electrics etc.

Realistic training
Employer approved…

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Donated Beta Marine engines in background are plumbed in and sabotaged

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The framework

- Surprisingly easy to negotiate through BMF and SEMTA
- Shared with employers and networks
  - Employers interested
  - Seasonal variation
  - Return of block – travel distance and season
- Wide variety of evidence used
- Keeping EVs happy

Gear box assessment in a realistically cold environment…

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The Detail

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	C&G 2451 Technical Certificate Level 2									NVQ2 Work Based Learning								
	Mandatory Units			All learners at Level 2						UPK Questions						Work Place Assessment		
	Unit 013	Unit 014	Unit 015	Unit 003	Unit 006	Unit 007	Unit 010			Unit 001	Unit 002	Unit 003	Specialist Units As Required			Units As Required		
	Developing self and working safely in a marine environment	Boat Building and repair materials and technology	Marine construction and components	Boatbuilding Planning and Assembly	Composite Planning and Manufacture	Engine servicing and maintenance	Electrical Systems Design and Installation	Surface Preparation and Coating (short course) Not formally assessed		Complying With Statutory Regulations And Organisational Safety Requirements	Using And Interpreting Engineering Data And Documentation	Working Efficiently And Effectively In Engineering						
				Boat building		Engineering		Painting		All learners								
Cohort 1 Year 1	X		X	X		X		X		X	X		X	X	X	X	X	X
Cohort 1 Year 2	X	X			X		X		X	X		X	X	X	X	X	X	X
Cohort 2 Year 1	X	X			X		X		X	X		X	X	X	X	X	X	X
Cohort 2 Year 2	X		X	X		X		X		X	X		X	X	X	X	X	X

John Cruse and Matt Ormond

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Courtesy of Falmouth Harbour Commissioners

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The right people

- Falmouth Harbour Commissioners
- Apprentices
  - John Cruse 18
  - Matt Ormond 26
- Assessor – Martin Peart
- Liaison Officer – Vaughan Curnow

Prop shaft alignment
- fiendishly difficult

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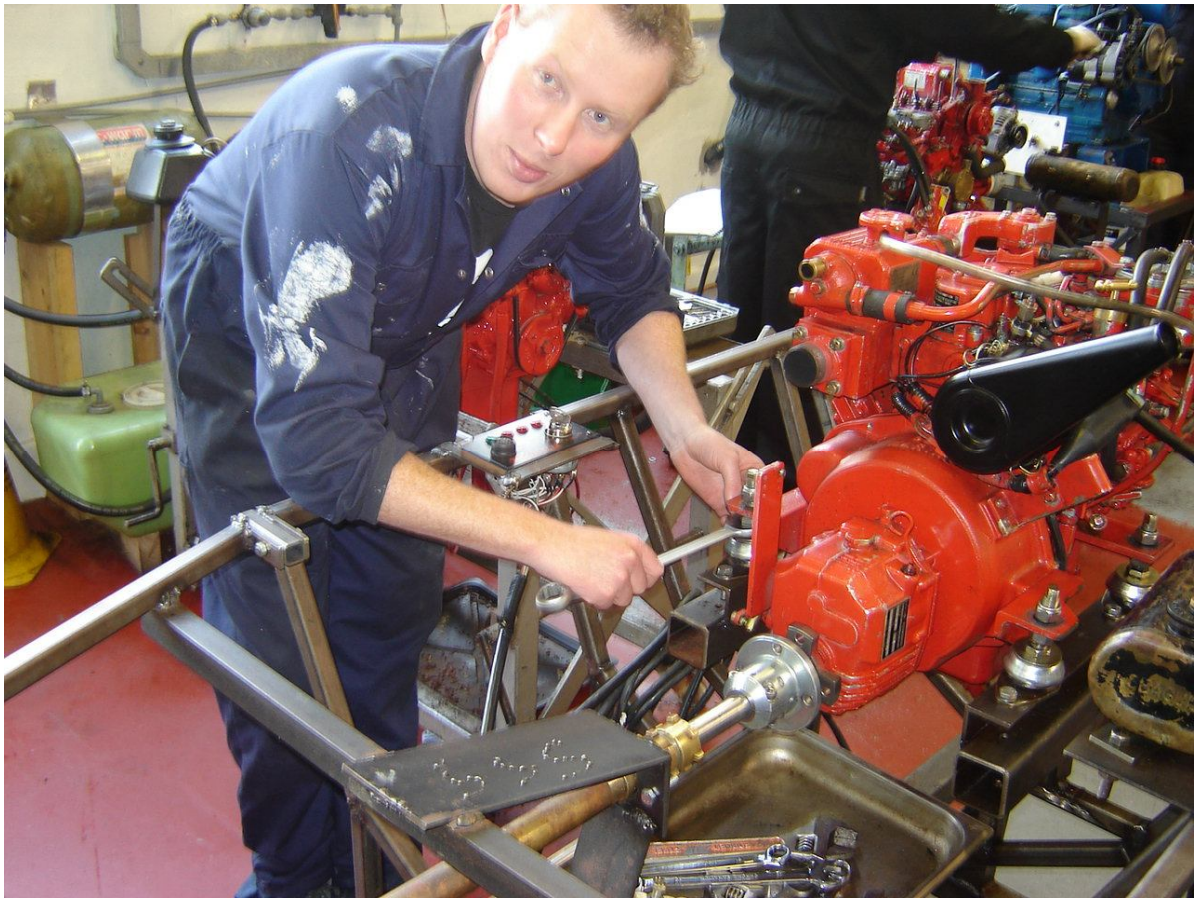

Heating
system
in background

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What next?

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- Higher level apprenticeships – MOD
  - Other HE suppliers?
- Functional Skills – out of context
- Need to provide broad technical training at L2
  - SSCs – problems – Summit Skills
  - BIS vs YPLA – sort it out
- Young Apprenticeships? – shame its going

Politics matters!
Sarah Newton MP and Ken Whitney

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New electrical bay
In background

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Thank you

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- Questions