DRIVING NECESSARY CHANGE IN THE TRAINING ARENA (UK)

Geoff Rhodes FIMMM
Geoff Rhodes Associates
ABOUT

- **Geoff Rhodes Associates**

Operating since September 2011

Southend on Sea, United Kingdom

GRA is a specialist forest products and international trade consultancy.

Providing independent in-depth assessment of markets and market potential for wood-based panel products with a particular specialisation, linked to educational requirements within the UK.

Author of Wood Based Panels International Global MDF annual survey since 2013.
ABOUT

Marketing & Business Development Director
Coillte Panel Products

European Sales & Marketing Director
Weyerhaeuser

European Sales & Marketing Director
Willamette Europe

European Sales & Marketing Director
Medit Europe

Institute of Carpenters

Timber Trade Federation
growing the use of wood

EPF

Edinburgh Napier University

GRA

Lifetime achievement
CONSUMPTION OF WOOD PRODUCTS IN UK 2016

- Volume of wood products consumed in excess of 16 Million M³

- Imported consumption 9.8 million m³ and 6.3 million m³ UK was produced.

- Combined value £3.46 billion.

- Rise in consumption was attributed to growth in construction activity since 2013.
  - Growth in housing ↑ 25%
  - Growth in non housing ↑ 9%

- Europe and UK production/supply continue to dominate UK consumption.
CONSTRUCTION INDUSTRY TODAY

▶ Ongoing construction industry boom
  ▶ infrastructure projects
    ▶ Crossrail
    ▶ Heathrow expansion
    ▶ HS2
▶ New build Housing shortfall
  ▶ Government target 300,000 a year
▶ massive refurbishment
▶ renewal programmes
▶ Heritage restorations
CONSTRUCTION INDUSTRY OUTLOOK TO 2021/22

CONSTRUCTION OUTPUT WILL GROW BY 1.3% A YEAR

158,000 CONSTRUCTION JOBS WILL BE CREATED
## Construction Output UK - £ Million

<table>
<thead>
<tr>
<th></th>
<th>Estimate</th>
<th>Forecast annual % Change</th>
<th>Annual average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Housing</td>
<td>4,298</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>Private Housing</td>
<td>26,745</td>
<td>3%</td>
<td>2%</td>
</tr>
<tr>
<td>Infrastructure</td>
<td>18,739</td>
<td>5%</td>
<td>5%</td>
</tr>
<tr>
<td>Public Non-Housing</td>
<td>10,278</td>
<td>2%</td>
<td>2%</td>
</tr>
<tr>
<td>Industrial</td>
<td>4,053</td>
<td>-5%</td>
<td>-3%</td>
</tr>
<tr>
<td>Commercial</td>
<td>25,059</td>
<td>-1%</td>
<td>2%</td>
</tr>
<tr>
<td>New Work</td>
<td>89,173</td>
<td>2%</td>
<td>2%</td>
</tr>
<tr>
<td>Housing R&amp;M</td>
<td>24,429</td>
<td>-2%</td>
<td>0%</td>
</tr>
<tr>
<td>Non-Housing R&amp;M</td>
<td>23,513</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>R&amp;M</td>
<td>47,942</td>
<td>0%</td>
<td>1%</td>
</tr>
<tr>
<td>Total Work</td>
<td>137,115</td>
<td>1%</td>
<td>2%</td>
</tr>
</tbody>
</table>

NUMBER OF NEW RECRUITS REQUIRED ANNUALLY 2017 - 2021

UK Total: 35,740

- 3,940, South East
- 3,970, East of England
- 3,870, Greater London
- 2,800, West Midlands
- 1,770, East Midlands
- 1,860, Yorkshire & Humber
- 1,270, North East
- 2,340, Scotland
- 5,140, North West
- 3,890, Wales
- 4,180, South West
- 710, NI

Grafics by Geoff Rhodes Associates
TOTAL CONSTRUCTION EMPLOYMENT GROWTH – 2017 - 2021

Scotland: -5%, N. West: 0%, Wales: 15%, S. West: 5%, N. East: 0%, York. & Humber: 0%, East Midlands: 0%, W. Midlands: 0%, East of England: 0%, Greater London: 0%, S. East: 0%
How does the timber industry respond?

How can the timber industry participate appropriately to benefit from these dynamics?
INITIATIVES WE MUST TAKE:

- Highlight the ‘Timber Proposition’ at graduate level (university) from an architectural and engineering perspective.

- Train and encourage people to come into the commercial timber industry with all its varied job opportunities.

- Train up craftsmen in wood (carpenters and joiners and fine woodworking apprentices) something that hasn’t been done adequately for the last 30 years.
THE ‘TIMBER PROPOSITION’ FROM AN ARCHITECTURAL AND ENGINEERING PERSPECTIVE

- 120 universities in the UK, 60 of them teaching Architectural and Civil and Structural Engineering.
  - Very little historically linked to the Timber sector and relevance to the construction industry.
- At ENU helped to develop a ‘pilot’ industry funded & supported master’s MSc programme in Timber Engineering.
- Initiative has helped and led the University to develop now a wider industry linked proposition called Built Environment Exchange (beX). Dedicated to building strong industry partnerships to collectively tackle the skills deficit and diversification challenges within the sector.
- Scholarships and bursaries can easily become part of companies Corporate Social Responsibility (CSR) programmes.
Now also a brand-new Timber Architectural and Design Technology MSc is being launched, starting in 2019 - a significant step forward in the UK.

Reading University has a new Architecture course heavily focussed on timber. Liverpool have a renewed interest in both engineer and Architecture.

Other universities such as Bath, Bristol, Cambridge, Coventry, Hertfordshire, Sheffield, Suffolk, Newcastle, Northumbia are starting to recognise better the role that timber has in the construction sector with its renewable and sustainable credentials, along with brilliant and interesting new product developments such as CLT and Modified wood products.

TRADA is officially calling for entrants to their TRADA University Challenge 2019 in which students will be challenged to design exemplary Student Accommodation predominantly from timber. #tomorrowstimbertalent
Train and encourage people to come into the commercial timber industry

- Attracting graduates and potentially new school leavers as apprentices with company support into the UK Timber industry
- Job opportunities – Forestry, Manufacturing, Business administration, Marketing, Sustainability, Renewables, Carbon Economy, Trade logistics, Finance, Accountancy, Certification
TRAIN UP CRAFTSMEN IN WOOD

➢ Through the new Government scheme on Apprenticeships: Fresh approach for school leavers in 2019 – at age 17 – 2 routes - either a technical college industry linked apprenticeship or a University route which can also have an apprenticeship structure

➢ More than 40 technical colleges in UK need to be helped to provide both the facilities and the staff to deliver the more than 4000 apprentices a year, that's more than 20,000 craftsman out to 2022.

➢ Institute of Carpenters (IOC) are playing a supportive part offering free student membership whilst the students are at College and into the first year beyond that, allowing young people to gain employment and then join the professional organisation as a member for the rest of their career.

➢ Experienced members can provide mentoring, links with industry and networking opportunities, with best practice shared using social media and new visual technology tools such as a dedicated YouTube channel.

➢ The British Royal Family (Prince Charles) also encouraging a strong development Craft skills. “With Heritage Craft appearing in the midst of a Renaissance, the Princes Foundation is exploring why working with your hands is an increasingly important endeavour”
The Macallan Distillery & Visitor Experience
Fallahogey Studio
Storey’s Field Centre & Eddington Nursery
City of London Freemen’s School Swimming Pool
Woodland Classrooms Belvue School
Kudhva
THE MESSAGE

Someone designed it.
Someone supplied it.
Someone made it.
THANK YOU
CREDITS

- TRADA - https://www.trada.co.uk/
- TTF - https://ttf.co.uk/
- CIBT - https://www.citb.co.uk/
- Edinburgh Napier University - https://www.napier.ac.uk/
- Institute for Apprenticeships – www.instituteforapprenticeships.org
- Institute of Structural Engineers - https://www.istructe.org/
- Institute of Civil Engineers - https://www.ice.org.uk/
- RIBA - https://www.architecture.com/
- Institute of Carpenters - https://www.instituteofcarpenters.com/
CONTACT

Geoff Rhodes Associates
37 Wansfell Gardens
Thorpe Bay
Essex SS1 3ST
United Kingdom

M: +44 (0) 7802 225232
T: +44 (0) 1702 588249
E: geoffrhodes.associates@gmail.com