





### **CECA Q1 '22 WORKLOAD TREND SURVEY**

- 83% OF FIRMS REPORTING HIGHER WORKLOAD
- 38% OF FIRMS REPORTING ORDER INCREASES

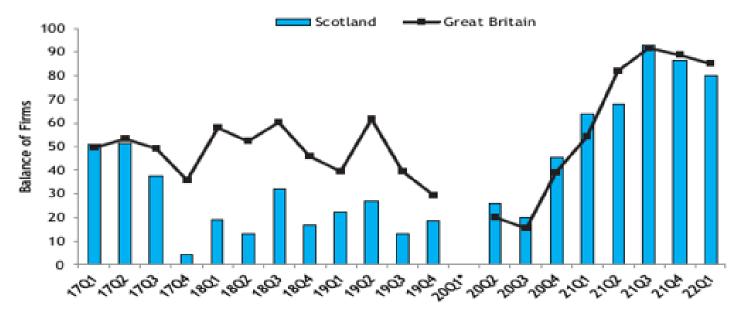




## **CECA WORKLOAD TREND SURVEY Q1 '22**

### 80% OF FIRMS REPORTING TENDER PRICES INCREASES

### Tender Prices of New Work

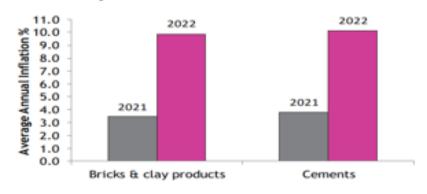


<sup>\*</sup>The survey was not run in 2020 Q1 due to COVID-19

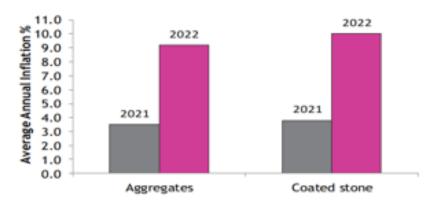


### MATERIAL PRICE INCREASES

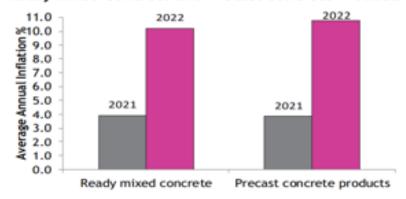
### **Bricks & Clay Products and Cements**



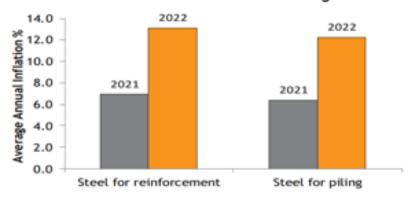
### Aggregates and Coated Stone



#### Ready Mixed Concrete and Precast Concrete Products



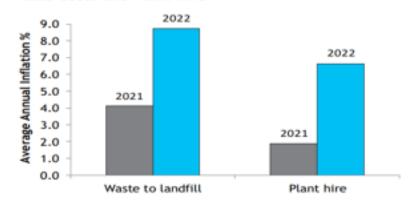
### Steel for Reinforcement and Steel for Piling



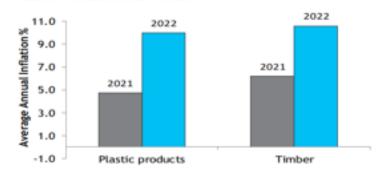


## OTHER COST INCREASES

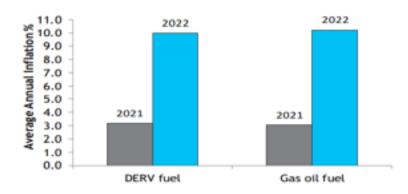
#### Waste Costs and Plant Hire



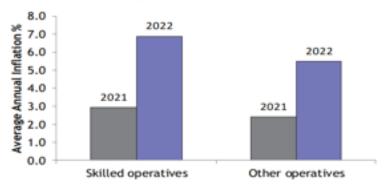
### Plastic Products and Timber



#### **DERV Fuel and Gas Oil Fuel**



### Skilled and Other Operative Staff





### INDUSTRY WORKLOAD

- Very Busy. Decade ahead of growth and sustainable workload?
- Decarbonisation of the rail network in Scotland by 2035. £3b forecasted investment.
- Procurement for the dualling of A9 rumoured to be PPP model. Estimated cost £2.5b?
- Renewables:

Corrie Glas: £1b

Berwick Bank: £1b

Scotwind (Round 1) - 17 successful bidders. 25 GW capacity created with an estimated average of £1bn investment in Scotland per gigawatt of capacity built



## SG Capital Spending Review - Spending Allocations for 2023-24 to 2025-26

Net Zero & Transport	21/22 budget	22/23 budget	23/24 budget	24/25 budget	25/26 budget	5 - year total
Peatland & Flooding	30.7	39.8	59.8	60.2	71.2	261.7
Scottish Water - Total	600.0	600.0	650.0	675.0	700.0	3,225.0
Maj. <u>Transp</u> Projects	173.0	247.0	238.9	397.6	273.9	1,330.4
Rail Infrastructure	501.0	427.0	442.0	411.0	492.0	2.273.0
Scottish canals	12.2	12.2	12.2	12.2	12.2	61.0
Active Travel	239.9	292.4	374.5	392.0	432.1	1,732.0
M/ways & T Roads (total)	409.4	411.0	337.1	379.2	376.7	1,913.4
Structural repairs	100.0	119.0	98.7	96.7	93.1	507.5
Vessels & Piers	63.1	74.5	170.0	117.1	81.4	506.1



# **CECA Scotland Board Priority**

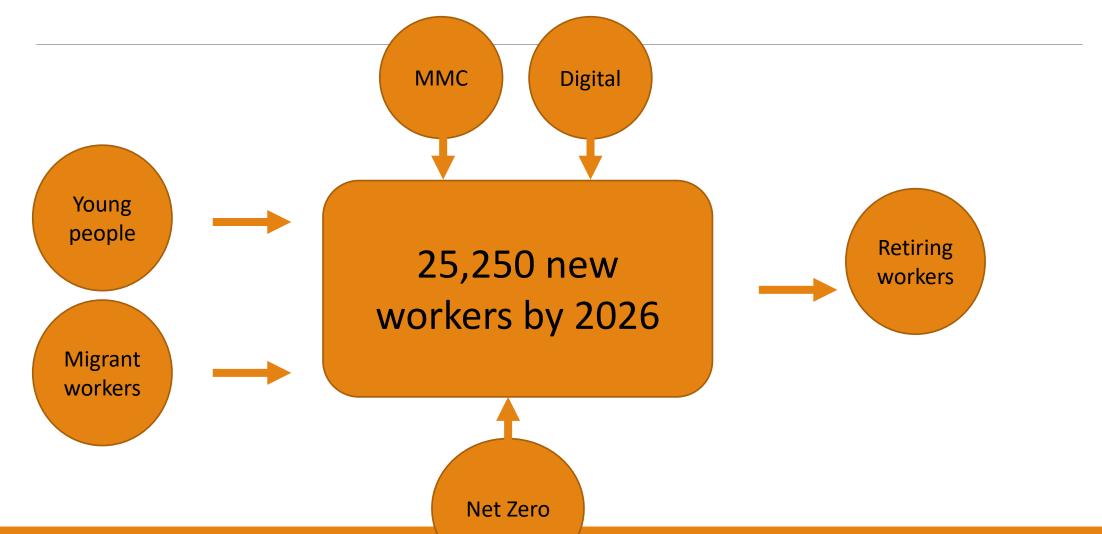
# Attracting, Securing & Training a Diverse, World Class Workforce

- Work with others to assist members to access a programme of school engagement to promote the civil engineering sector as the career choice for school leavers

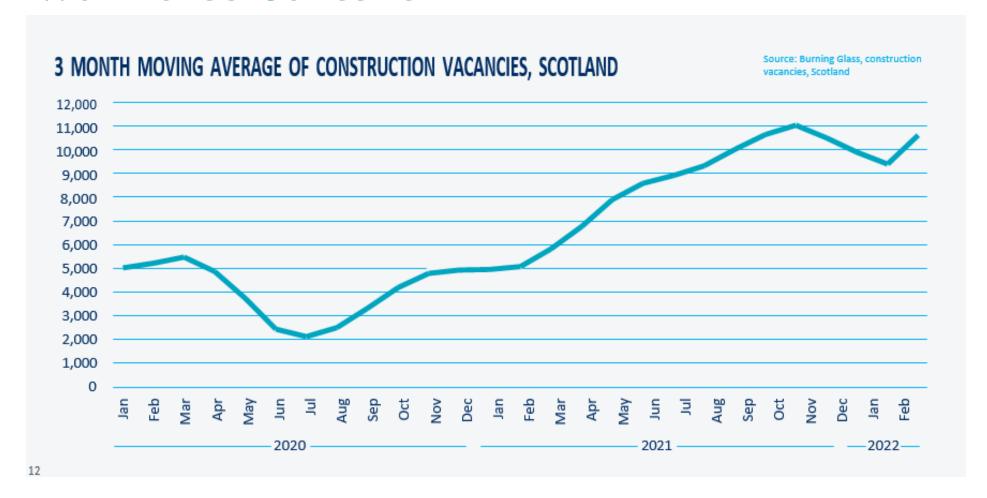
However, now a pressing need to attract and encourage new entrants to our sector to fill the range of skilled roles that we need to deliver a rising workload.



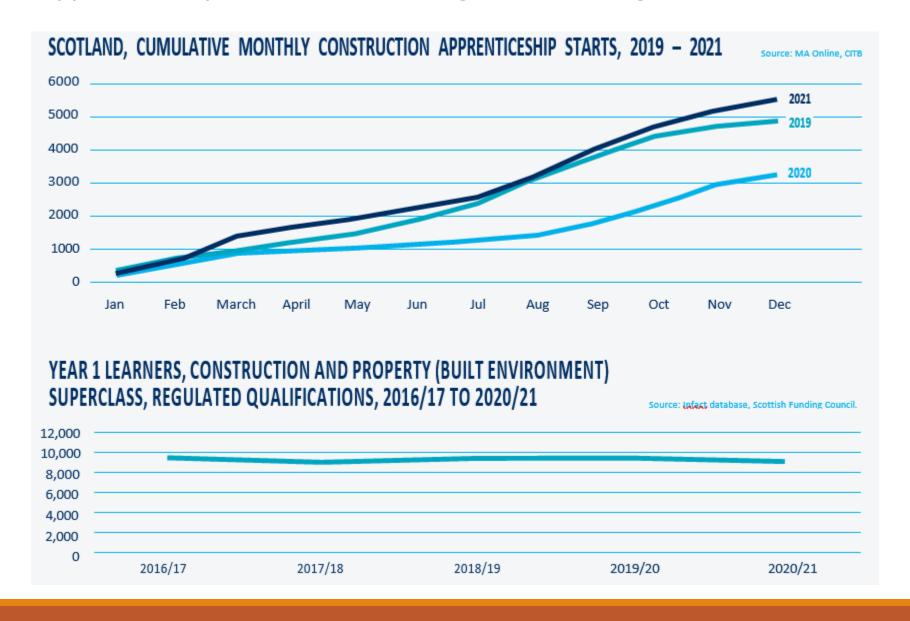
# In a nutshell....



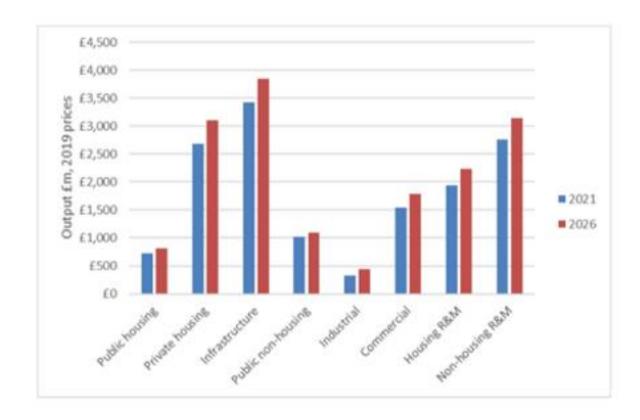
## **Workforce Content**



## Apprenticeship starts are increasing, but need to grow further



## Sector forecast – output values



Blue columns – output in 2021

Red columns – forecast output value

for 2026

Main gains in output from:

- Private housing
- Infrastructure
- Non-housing R&M



# Challenges of an ageing workforce

- Large proportion of workers expected to retire within a short time-frame
   significant and rapid loss of skills and experience from the sector. How do we pass these skills on to the next generation?
- Despite value of their experience, older workers also report that they feel excluded from training opportunities as they get closer to retirement age.
- Over 50s in construction more likely to leave industry before state pension age.
- Need to offer more flexibility construction workers in Scotland are more likely to ask their employers for reduced working hours than their peers in England and Wales.

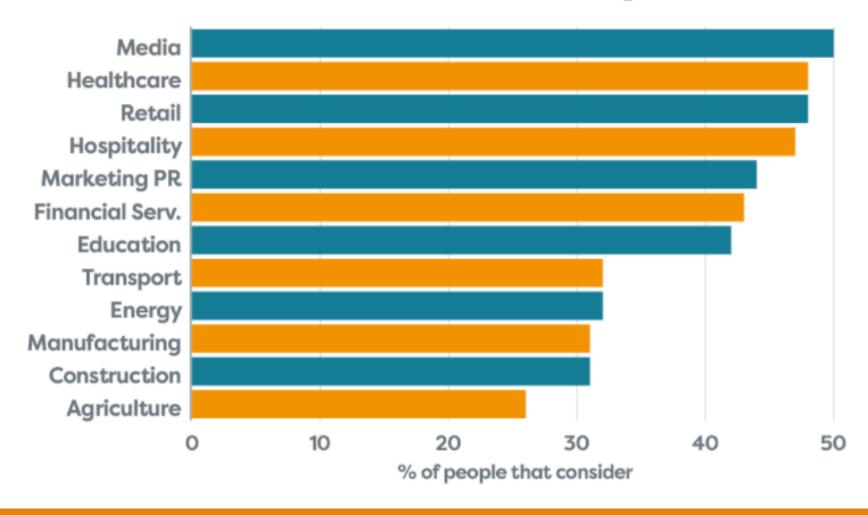


# The Gen-Z problem

- Younger people tend to be mission-driven and are not motivated by profit without purpose. Careers must be aligned with their values.
- Morgan Sindall, Gleeds and HBD launched a joint initiative to engage with Gen-Z. Six of their recent graduates took part in a year-long programme of engagement to identify ways to attract Gen-Z and help businesses understand what young people want from their careers.
- Survey of 16 24 year olds showed how young people perceived the industry:
  - 20% believe that construction jobs are poorly paid
  - Less than a third think of construction as a career
  - Only 31% think construction is a sector in which they can use and develop their digital skills
  - Three most common words associated with construction: Dangerous, Cold and Dirty



# Consideration of industry sectors





# What does this mean in the future?

- 5 years Decline in new apprentices will result in further shortages of skilled workers
- 10 years Based on current demographics the workforce will shrink by 25% within a decade.
- 20 years Ageing UK population puts further pressure on smaller cohort of young people



## **Scotland's Colleges Opportunity**

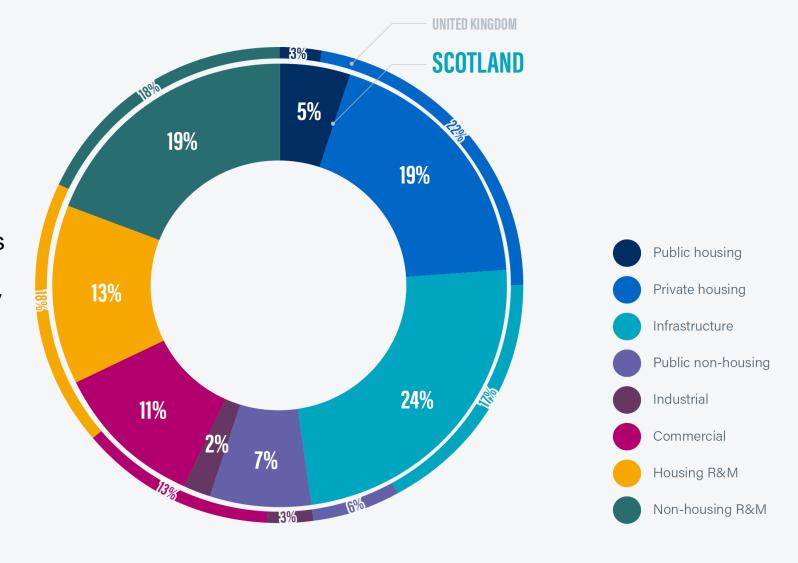
Expected job output over next 10 years £8.5 billion in civil engineering including railways, highways and renewables

### **Purpose of pilot**

- CECA have identified a need to recruit new workers into their sector of the construction industry
- Action is required to ensure an aging workforce within this sector is replenished
- Agree a sustainable training programme with accredited qualifications with various pathways
- A CECA training Academy would highlight investment in their workforce



To better understand the skills pipeline requirement for the civils sector to create a "CECA Academy" of work ready young people.



**CONSTRUCTION INDUSTRY STRUCTURE 2021** 

SCOTLAND VS UK



# Scotland's Regional Colleges



Aberdeen & Aberdeenshire	1- NESCol (Inc. Fraserburgh)			
Ayrshire	2- Ayrshire College			
Borders	3- Borders College			
Dumfries & Galloway	4- Dumfries & Galloway College			
Edinburgh & Lothians	5- Edinburgh College			
Fife	6- Fife College			
Forth Valley	7- Forth Valley College			
	8- City Of Glasgow College			
Glasgow	9- Glasgow Clyde College			
	10- Glasgow Kelvin College			
	11- Argyll College UHI			
	12- Inverness College UHI			
	13- Lewis Castle UHI			
	14- Moray College UHI			
Highlands & Islands	15- North Highland College UHI			
	16- Orkney College UHI			
	17- Perth College UHI			
	18- Shetland College UHI			
	19- West Highland College UHI			
	20- New College Lanarkshire			
Lanarkshire	21- South Lanarkshire College			
Tayside	22- Dundee & Angus College			
West	23- West College Scotland			
West Lothian	24- West Lothian College			





### **Next steps**

- CECA work with ESP to identify the regional needs for their sector
- ESP to identify suitable college(s) for pilot programme
- Identify employers to work on pilot
- Establish a SLWG to develop the programme with
  - CECA / industry
  - Colleges
  - CECA training and Development Forum
- Agree timeline

Lifelong Career Opportunities & Progression Exist