15 - 16 November, Wembley Stadium, UK

Find out more here:

Project Controls EXPO London,UK

Let's Digitize to Decarbonize

Alex Jones Rapid-DCS

Introducing RapidDCS & Sterling

RAPID DCS

CONSULTANTS
DIGITAL TRANSITION EXPERTS

Helping companies invest & benefit from digital progress in the built environment sector

STERLING

SOLUTION
SALES & SERVICES

The next generation web-based all-in-one sustainable estimating solution

Helping carbon conscious professionals to **PROVE & IMPROVE** their carbon footprint.

<u>Means..</u>

- Transparency
- Granularity
- Accountability
- Usability

German officials raid Deutsche Bank's DWS over 'greenwashing' claims

Reuters

CONSTRUCTION MANAGEMENT
Brought to you by CIOB

Sign in

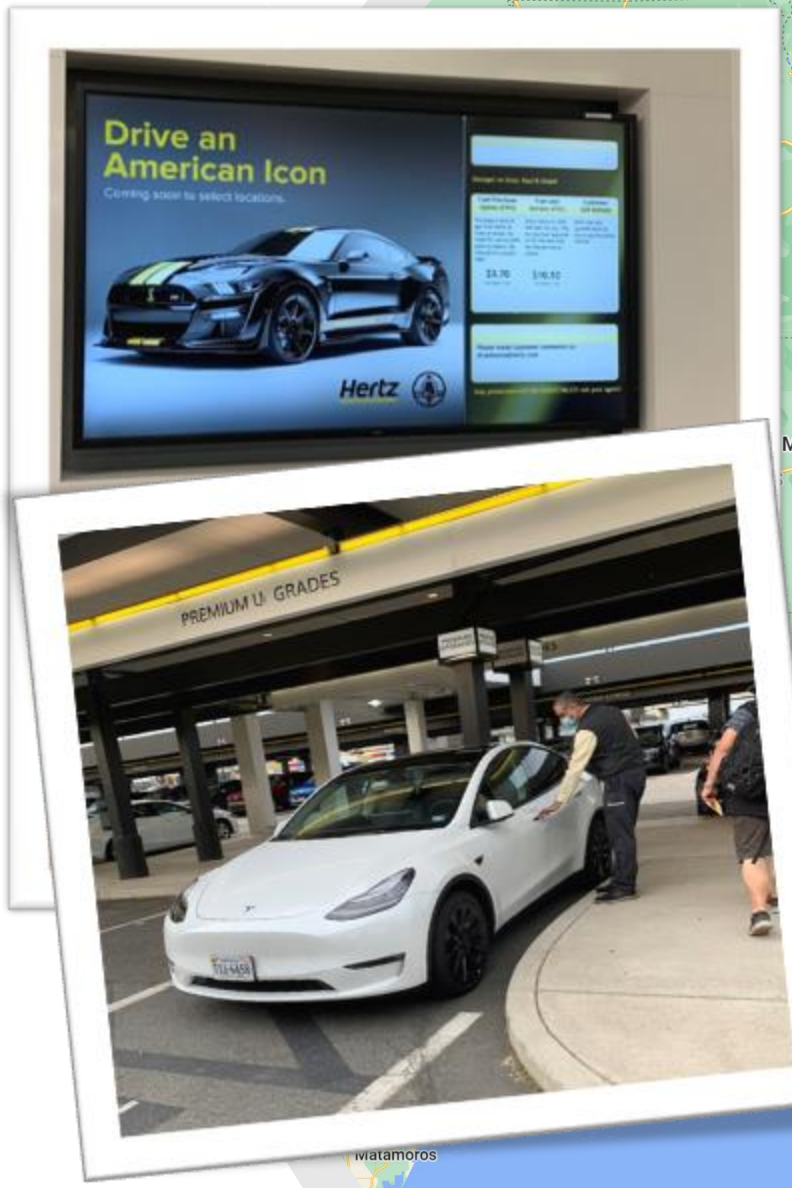
NEWS JOBS CPD MORE

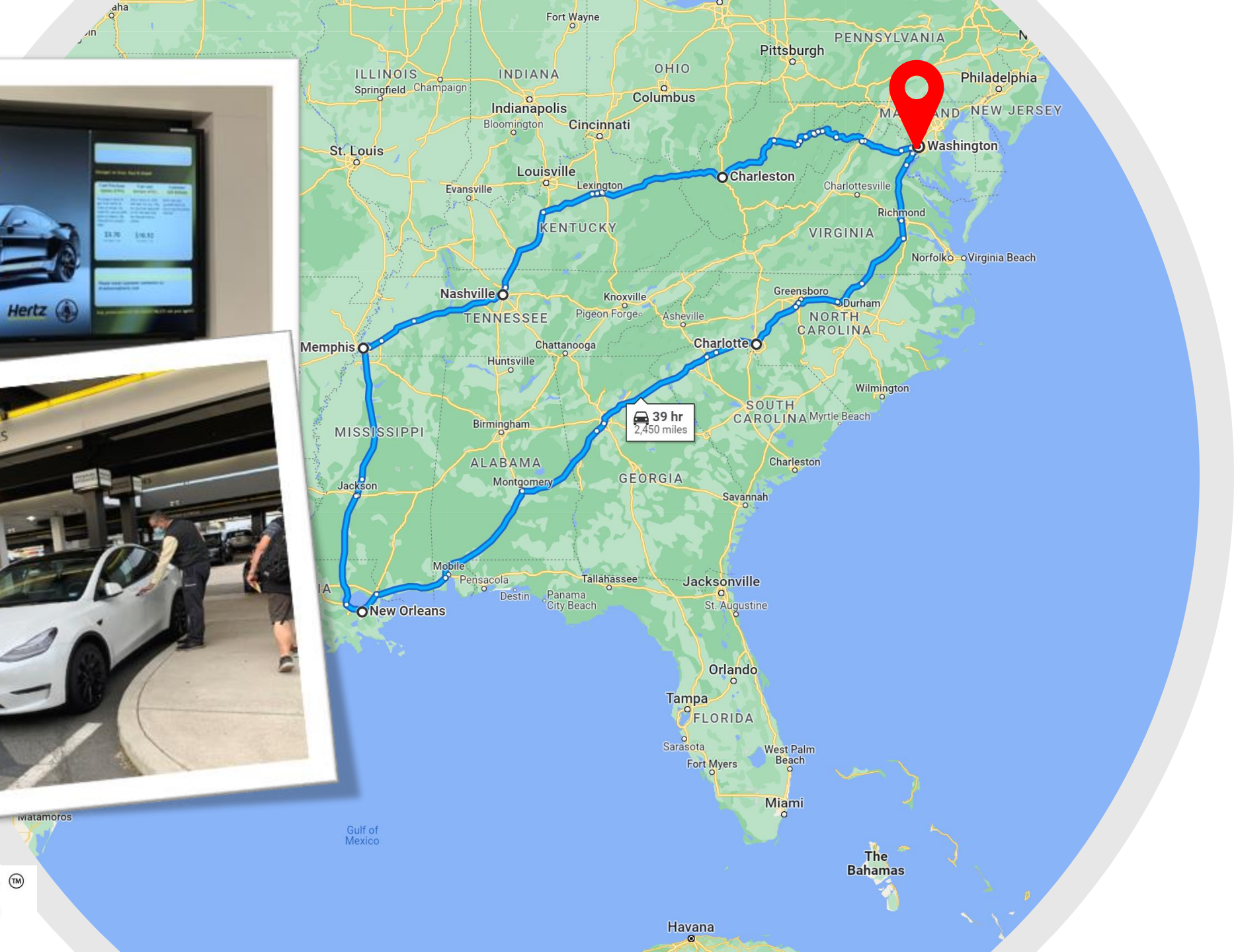
News

BAM speeds up carbon reduction targets

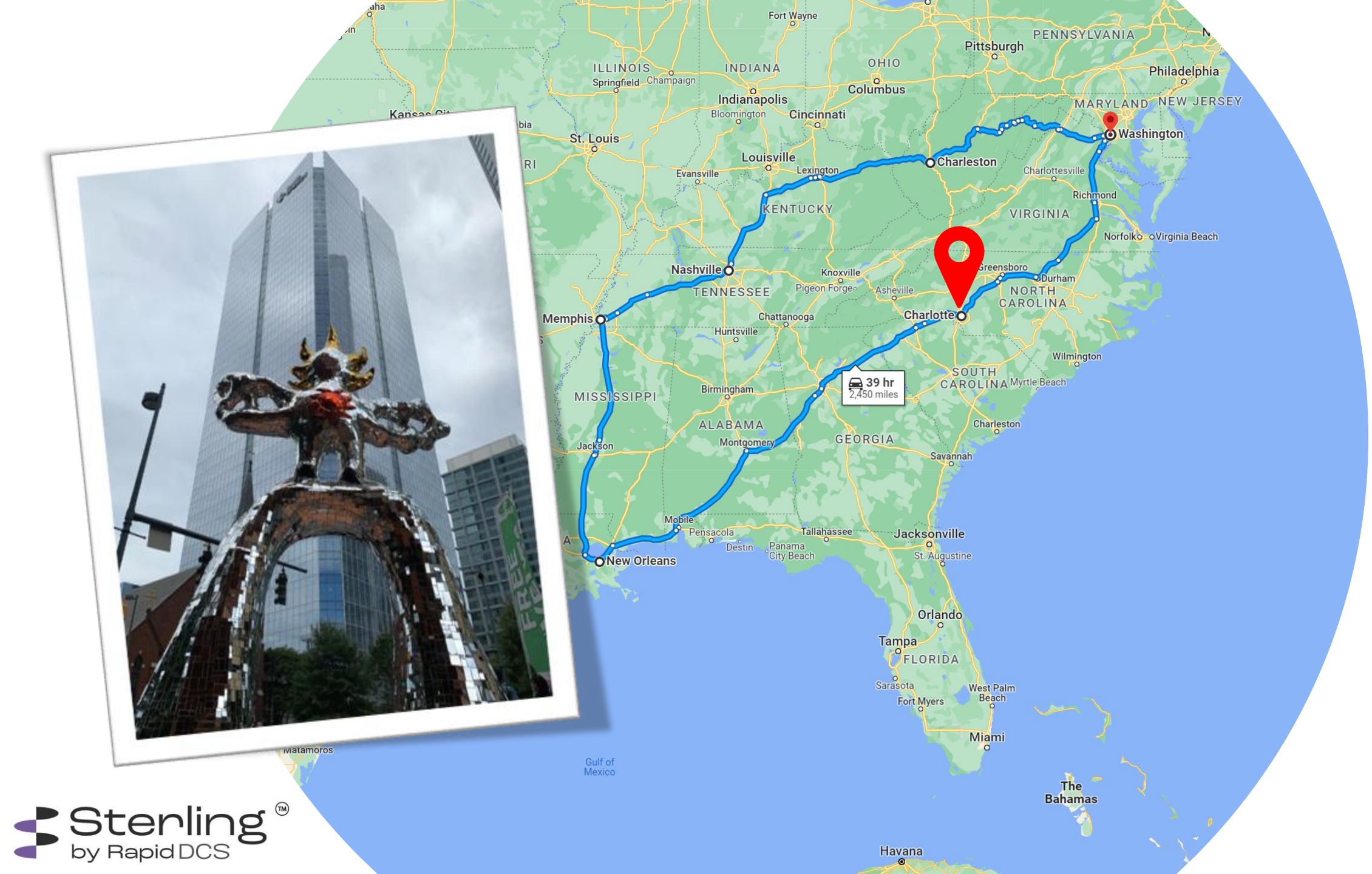
CM Staff
03.10.22

"There is no room for, or advantage in disguising or hiding performance. Vague data is useless, so science based, transparent information and a healthy dose of honesty are part of the medicine.

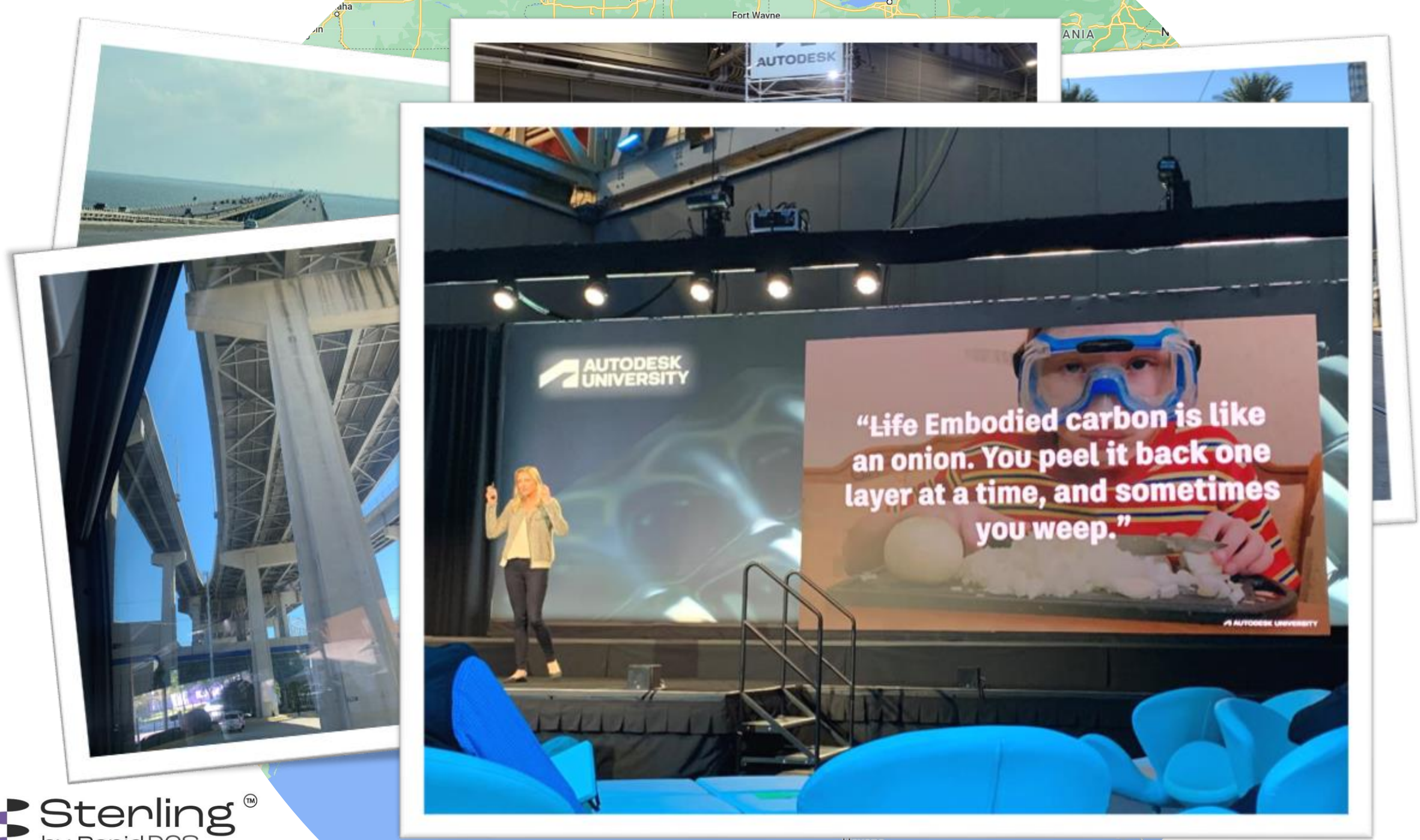




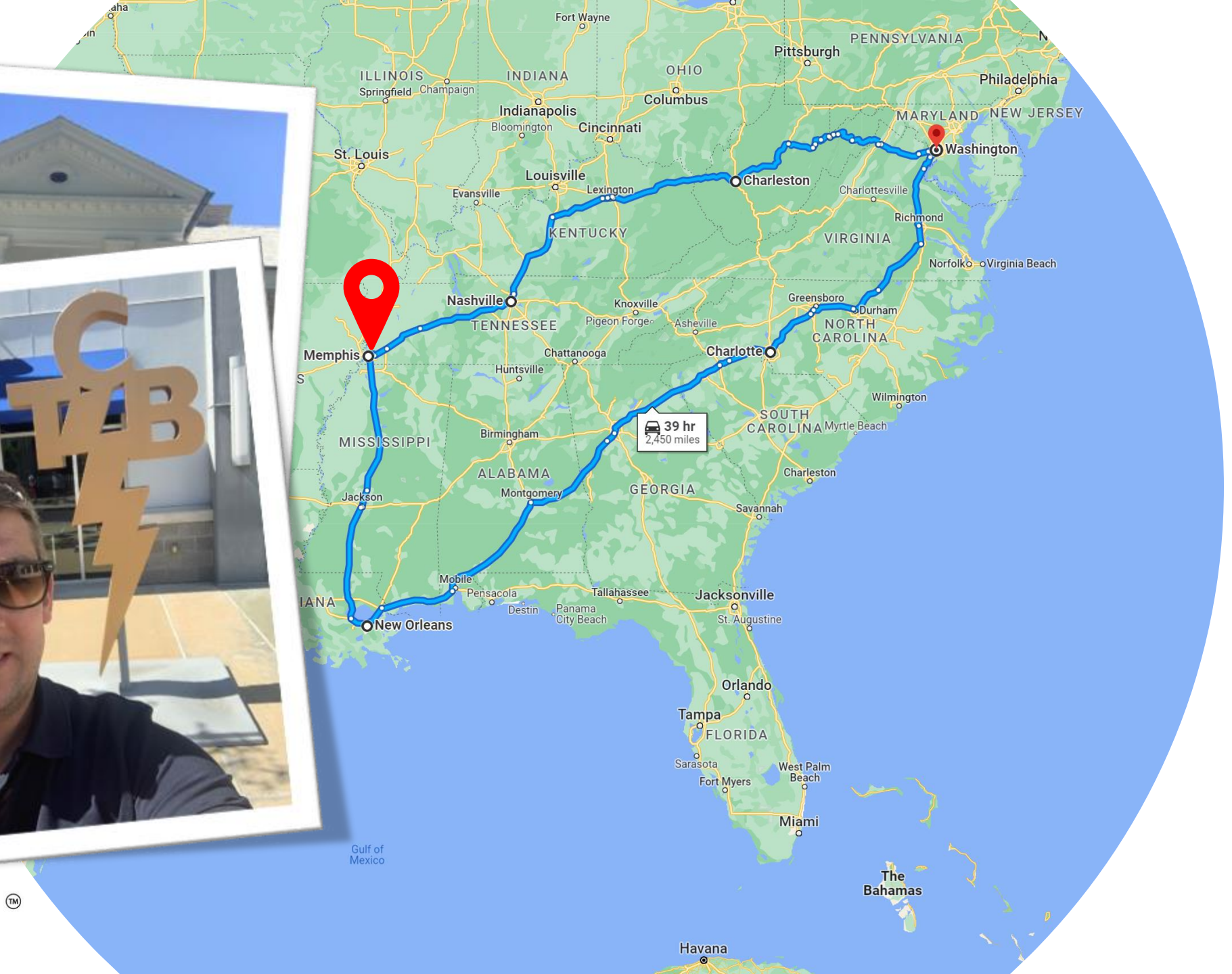
Sterling by Rapid DCS



Sterling by Rapid DCS



Sterling™ by Rapid DCS



Sterling™ by Rapid DCS

39 hr
2,450 miles

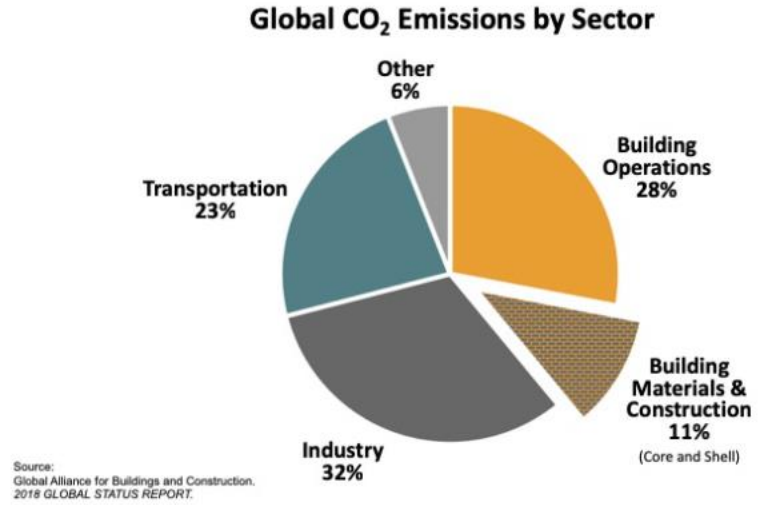
Nashville
Memphis
New Orleans
Charleston
Washington
Charlotte

Sterling by Rapid DCS

Sterling by Rapid DCS

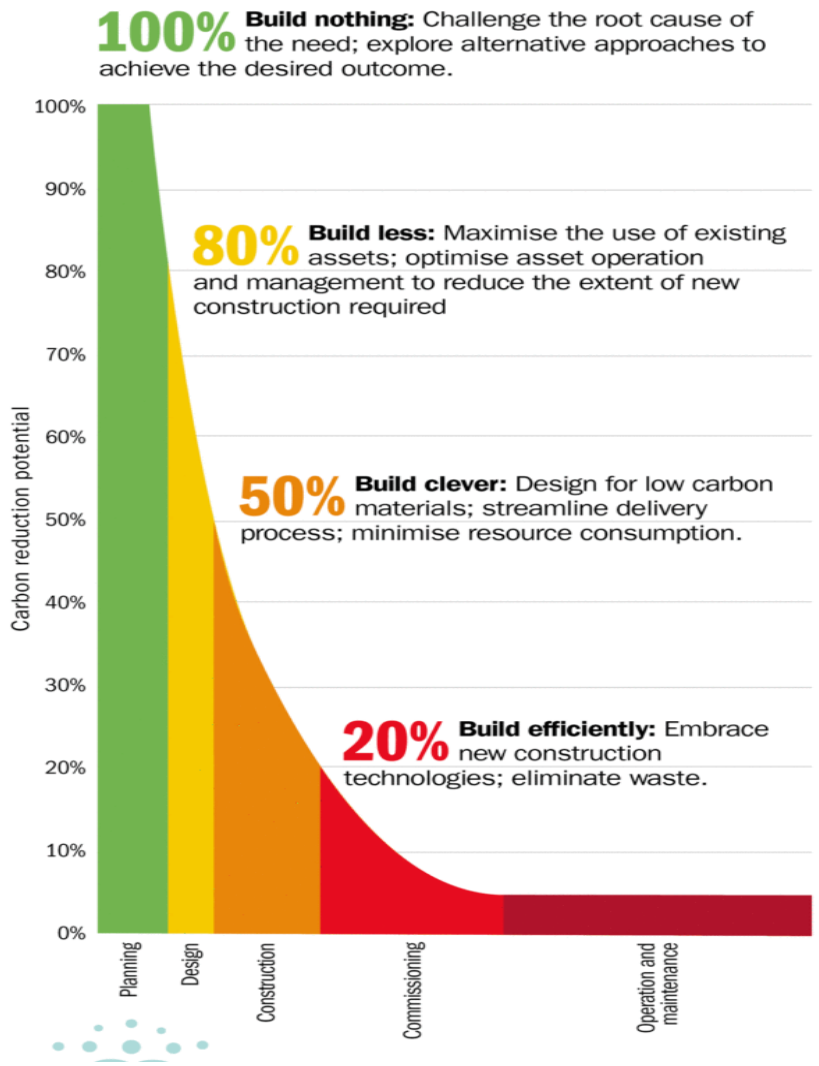
Buildings generate nearly 40%

of annual global GHG emissions.

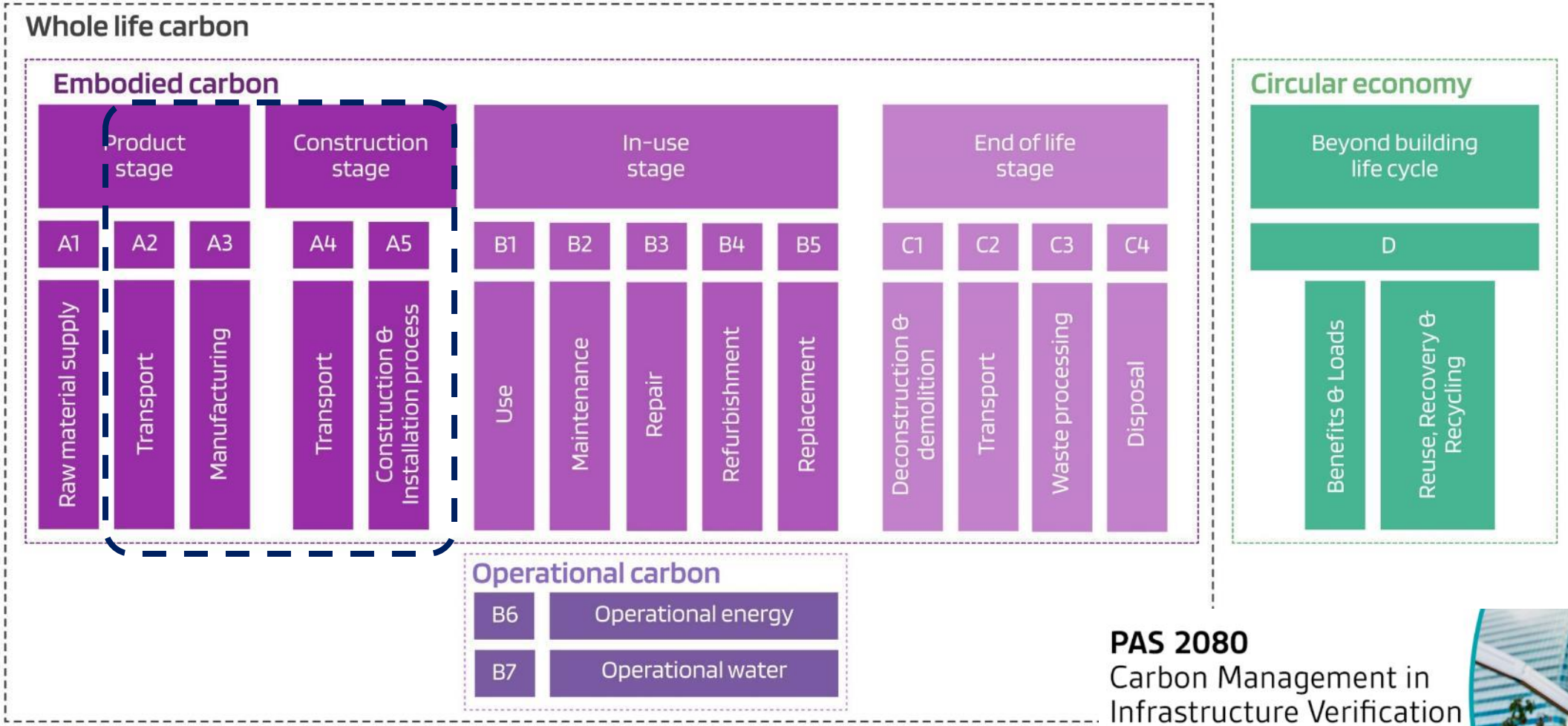


How are you dealing with Carbon?

HTTPS://ARCHITECTURE2030.ORG/BUILDINGS_PROBLEM_WHY/



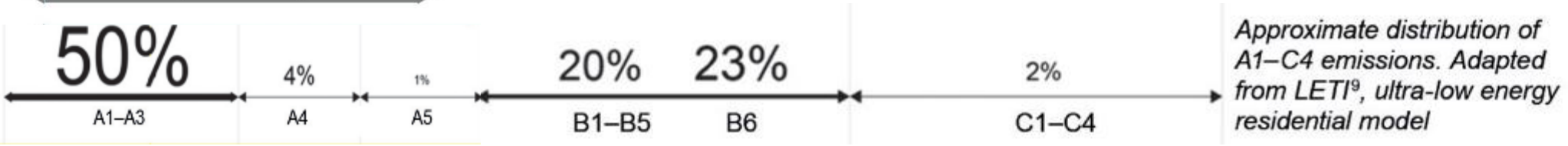
Sustainable Estimating



PAS 2080
Carbon Management in Infrastructure Verification

Cradle to gate

Cradle to practical completion



Approximate distribution of A1–C4 emissions. Adapted from LETI[9], ultra-low energy residential model

Setting Carbon Targets - Let's Peel That Onion

- Corporate
- Scope 1,2,3
- Lifecycle Cost & Carbon

- Portfolio
- Project
- Asset
- Sub Assets / Components
- Line Items
- Activities
- Resources

- **Unit Rates (£$, CO2e)**
- **EPDs**

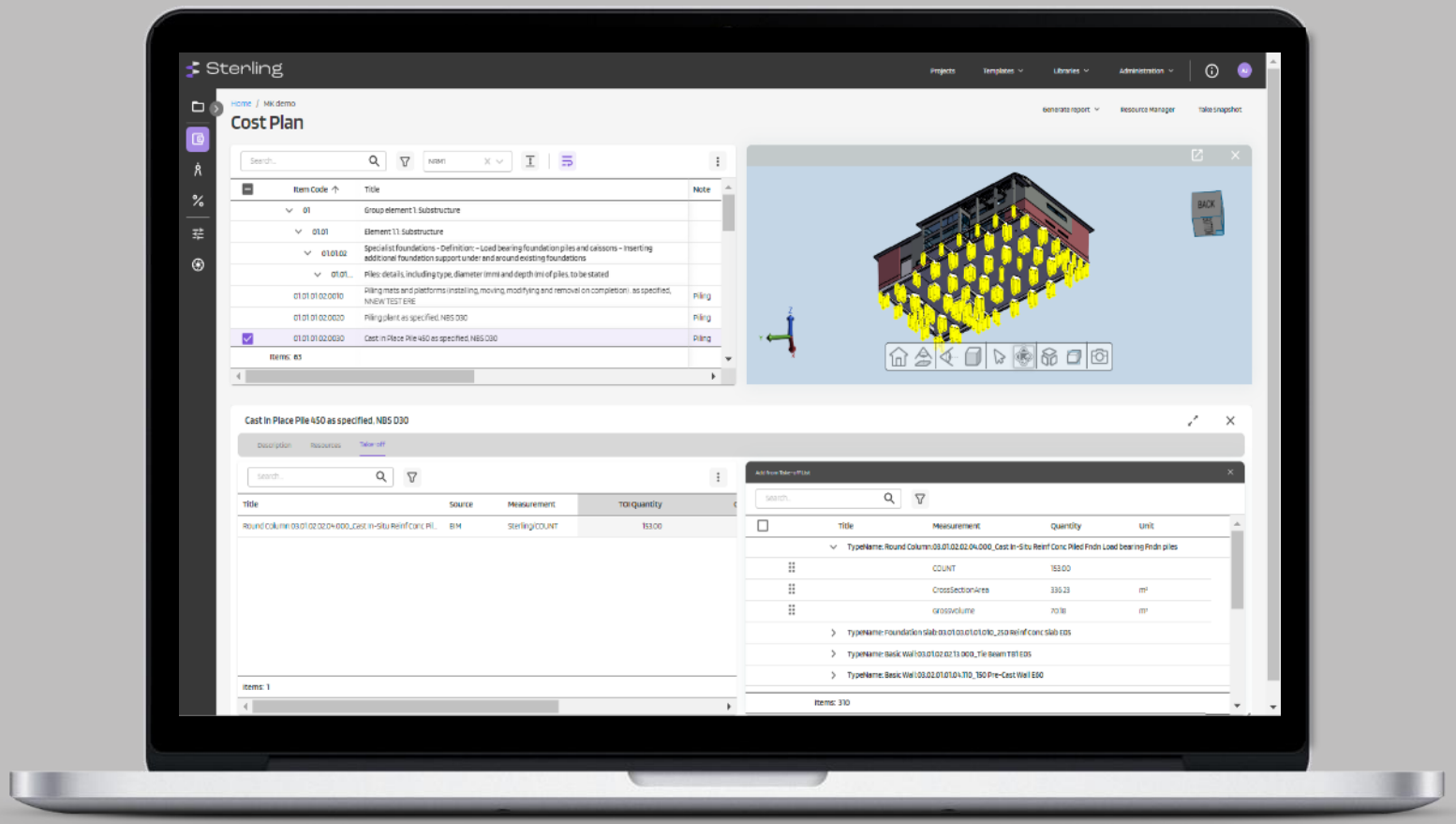
- **Auditing & Project Controls**
  - Applications for payment
    - Application for Carbon
    - Out turn Cost & Carbon
    - EVA & ECA
    - Lessons Learned

The Challenge…

- This is placing new demands on estimators and delivery teams.
- Really testing/exposing the limits of aging toolsets.
- Leading to multiple siloed solutions to play the game..
  - ? Cost Planning
  - ? Resource Level Estimates
  - ? Portfolio Benchmarking
  - ? Multiple Libraries
  - ? Flexible Structures
  - ? Package Management
  - ? Bid Management
  - ? True Carbon Transparency
  - ? 2D Take Off
  - ? BIM & 3D Take Off
  - ? Open API
  - ? Secure Regional Hosting
  - ? Full SAAS
  - ? Data Ownership

So we decided to build Sterling…

Sterling by Rapid DCS



Cost | Carbon | BIM

Integrated

#PowerfullySimple

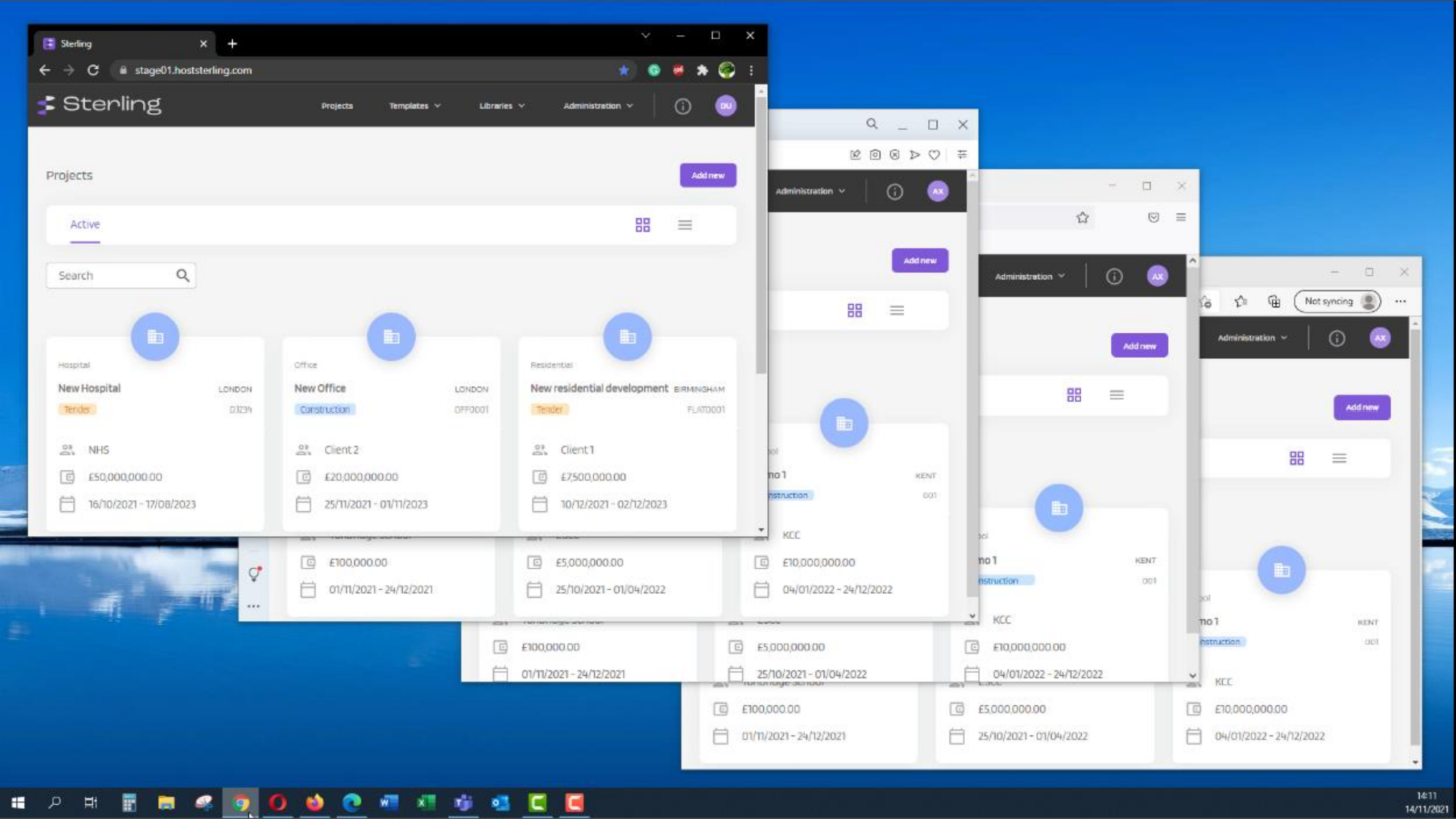
www.rapid-sterling.com

Sterling Principles – What we set out to achieve..

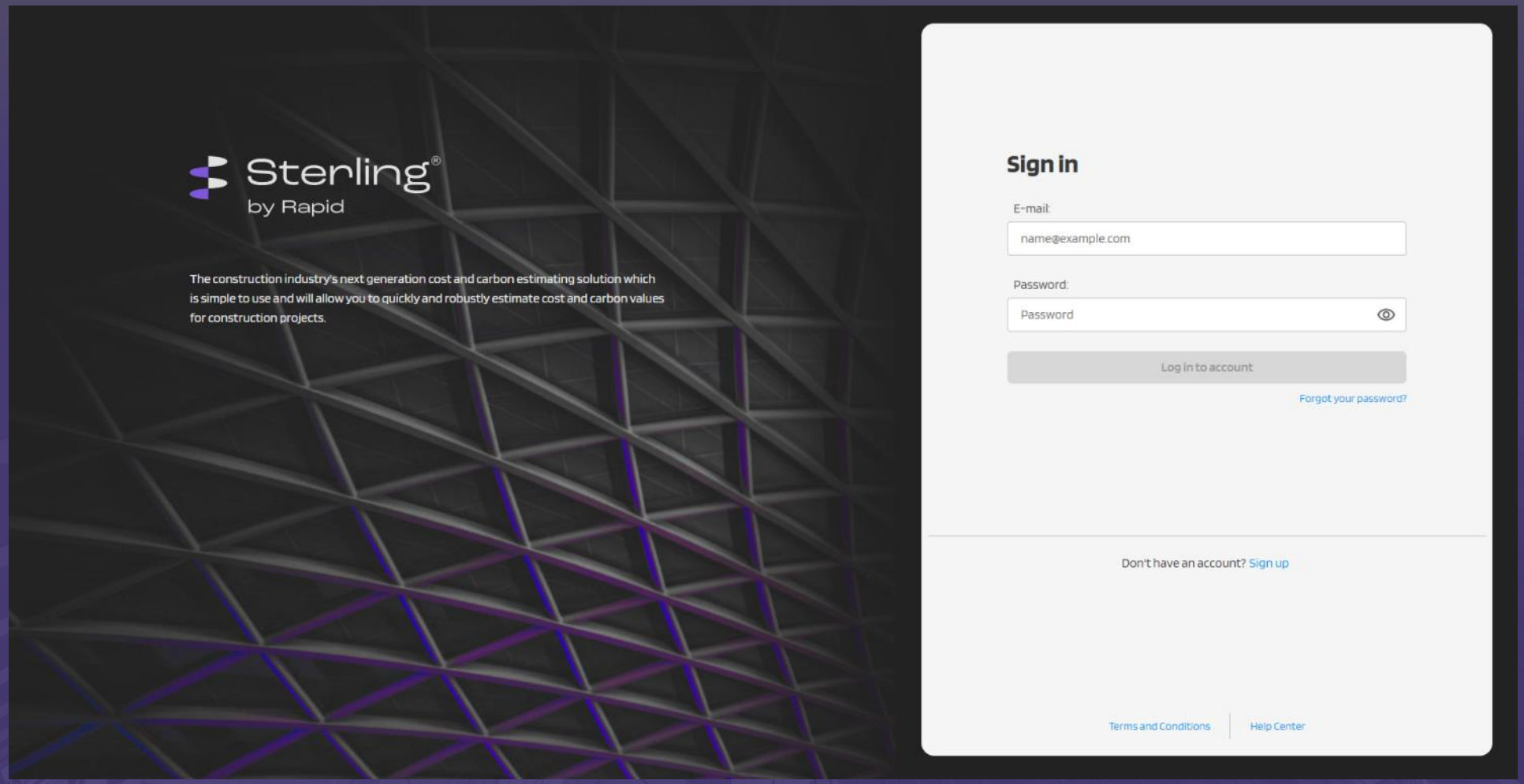
- A new estimating platform that is purpose built & practical to use
- That treats cost & carbon equally
- That is future proof AND traditional proof
- Has a clean and modern UI
- Purpose built on a modern technology stack
- Offers flexible reporting
- Plays nicely with others through API
- Safe & Secure Cloud Solution
- The data is yours

Sterling™ by Rapid DCS

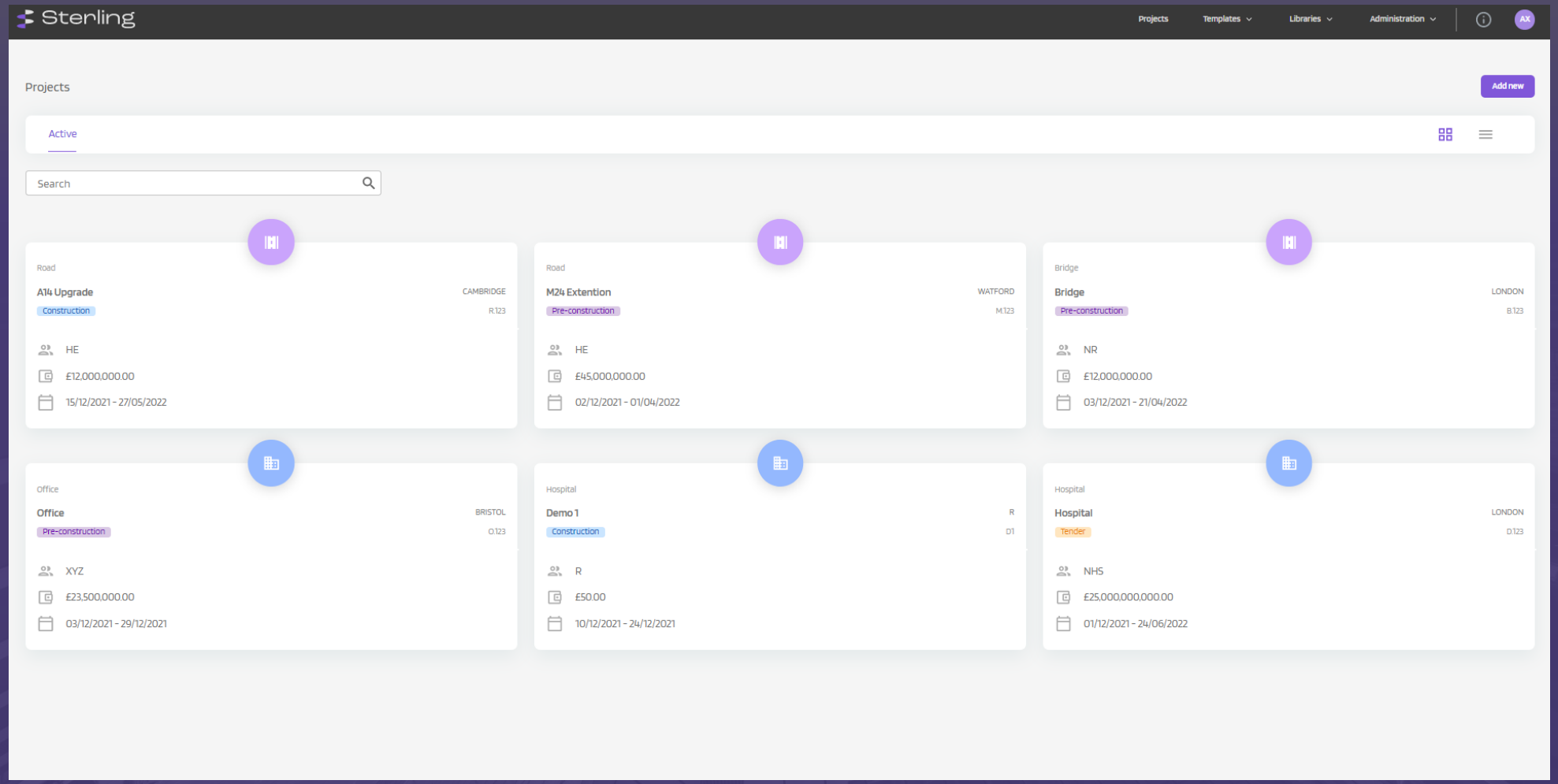
Project Controls EXPO Washington, DC - USA


Sterling
stage01.hoststerling.com
Sterling
Projects
Templates
Libraries
Administration
DU
Projects
Add new
Active
Search
Hospital
New Hospital
LONDON
Tender
D1234
NHS
£50,000,000.00
16/10/2021 - 17/08/2023
Office
New Office
LONDON
Construction
OFF0001
Client 2
£20,000,000.00
25/11/2021 - 01/11/2023
Residential
New residential development
BIRMINGHAM
Tender
FLAT0001
Client 1
£7,500,000.00
10/12/2021 - 02/12/2023
Administration
AX
Add new
KENT
KCC
£10,000,000.00
04/01/2022 - 24/12/2022
£100,000.00
01/11/2021 - 24/12/2021
£5,000,000.00
25/10/2021 - 01/04/2022
Not syncing
14:11
14/11/2021

Login


Sterling®
by Rapid
The construction industry's next generation cost and carbon estimating solution which is simple to use and will allow you to quickly and robustly estimate cost and carbon values for construction projects.
Sign in
E-mail:
name@example.com
Password:
Password
Log in to account
Forgot your password?
Don't have an account? Sign up
Terms and Conditions
Help Center

Portfolio view



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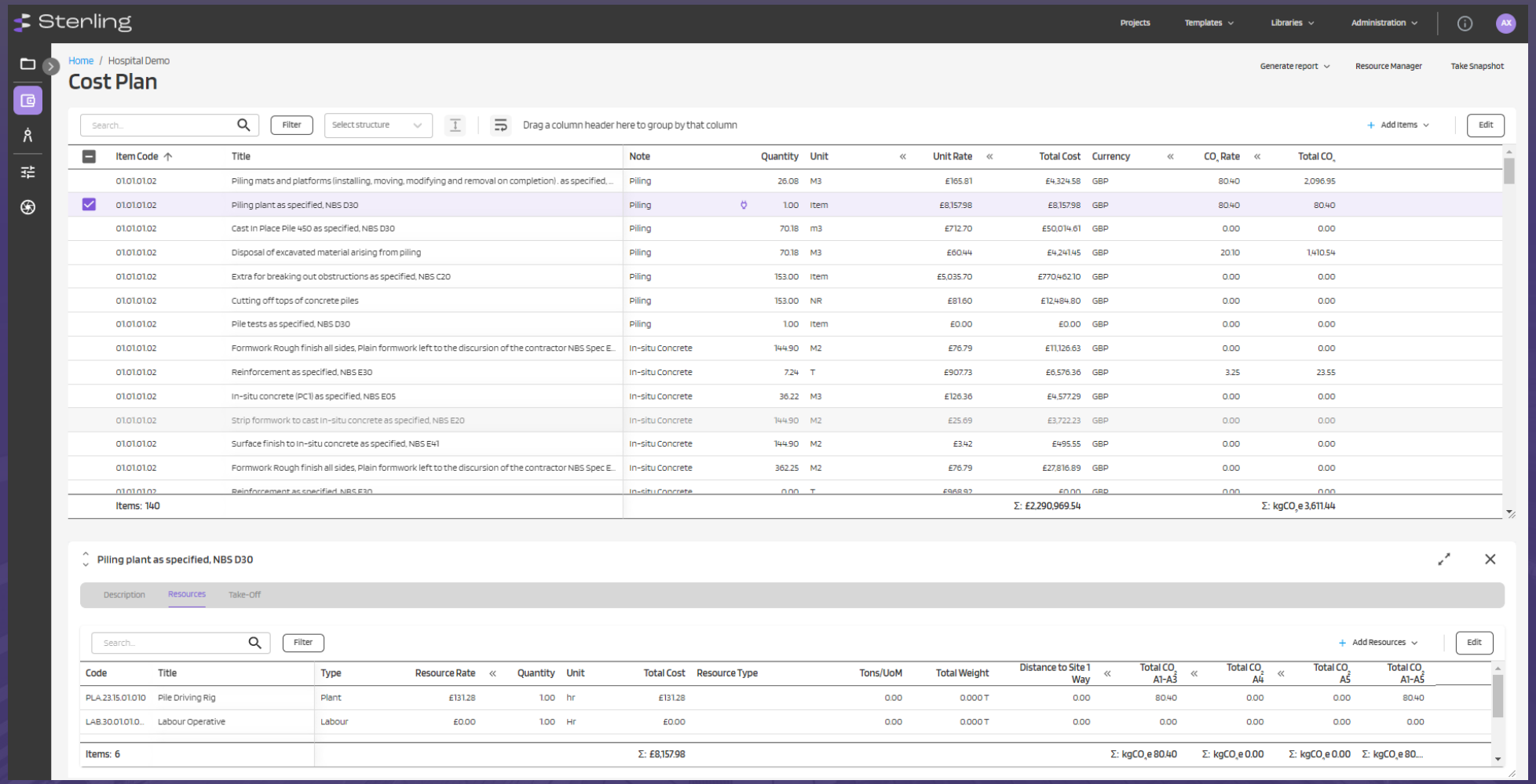
Cost Plan View



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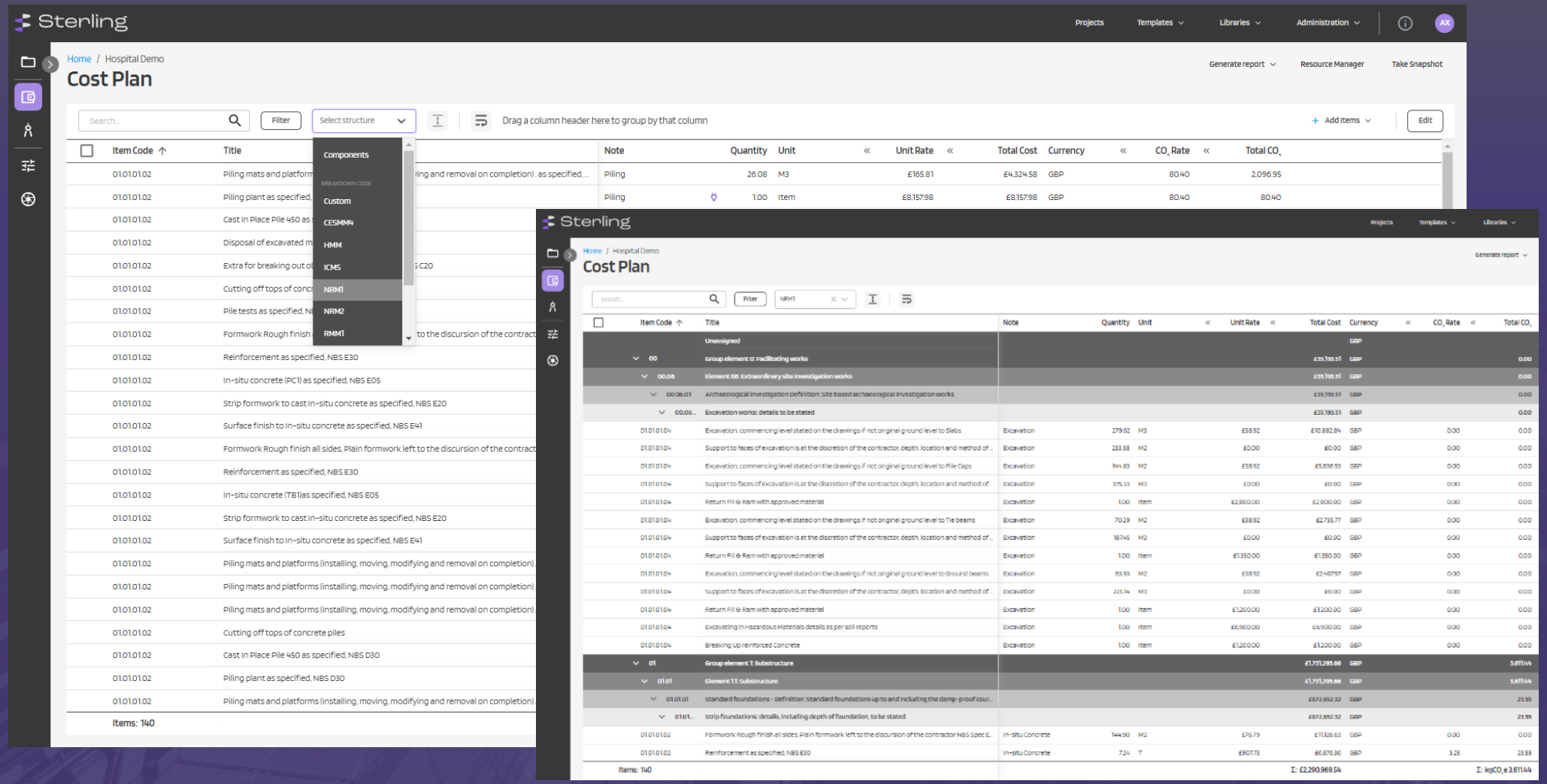
Cost Plan - View by Multiple Structures



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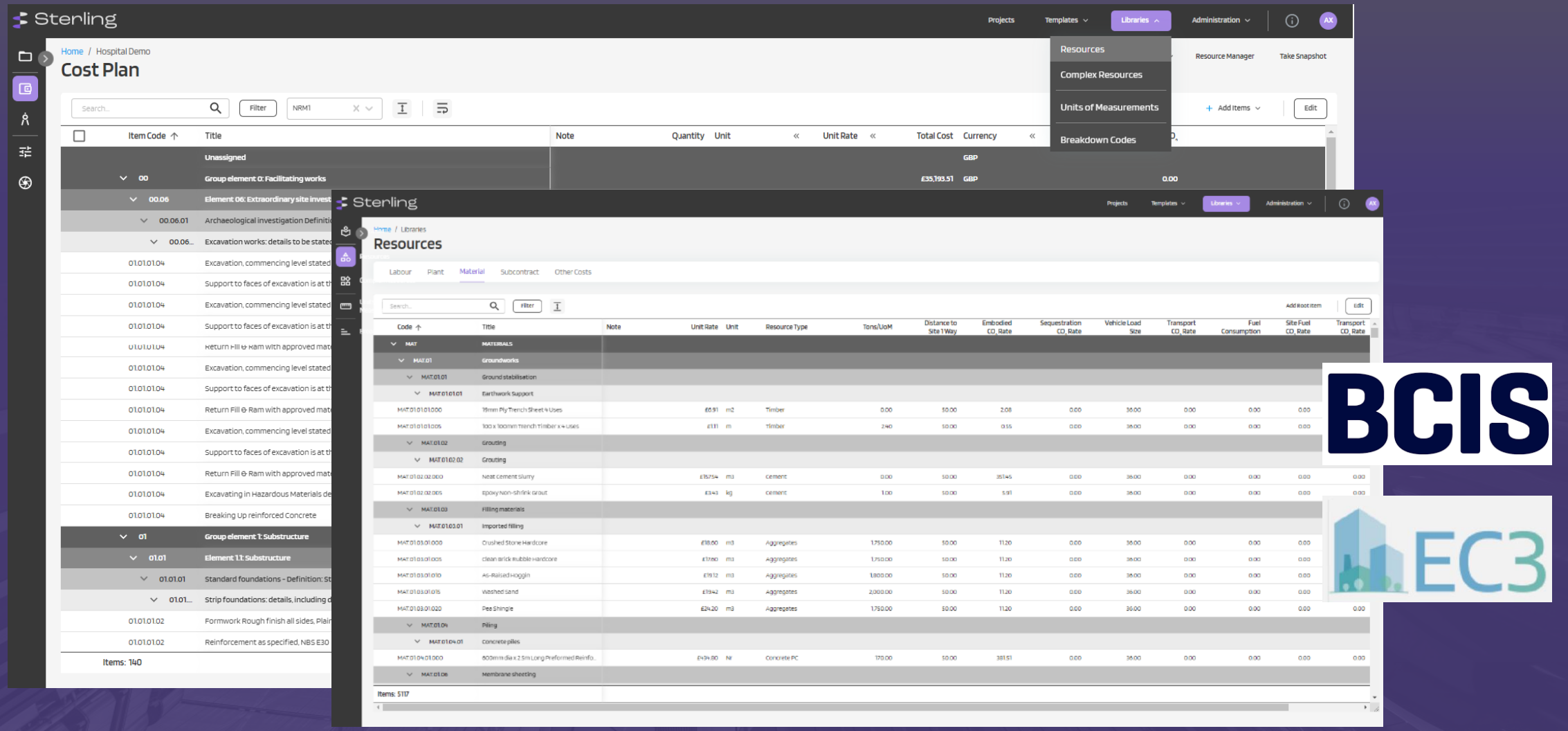
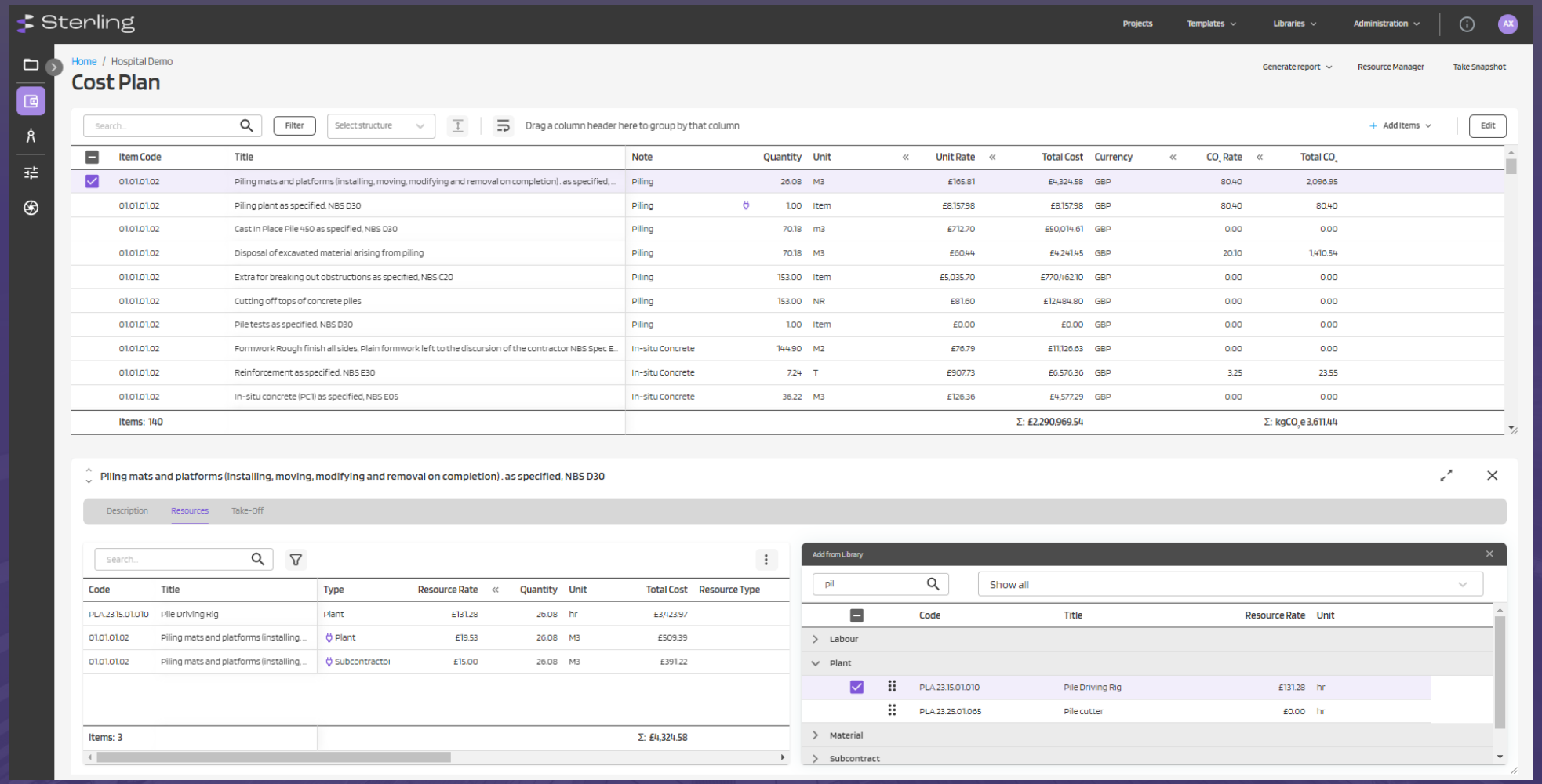
Libraries



BCIS

EC3

Resource build-up



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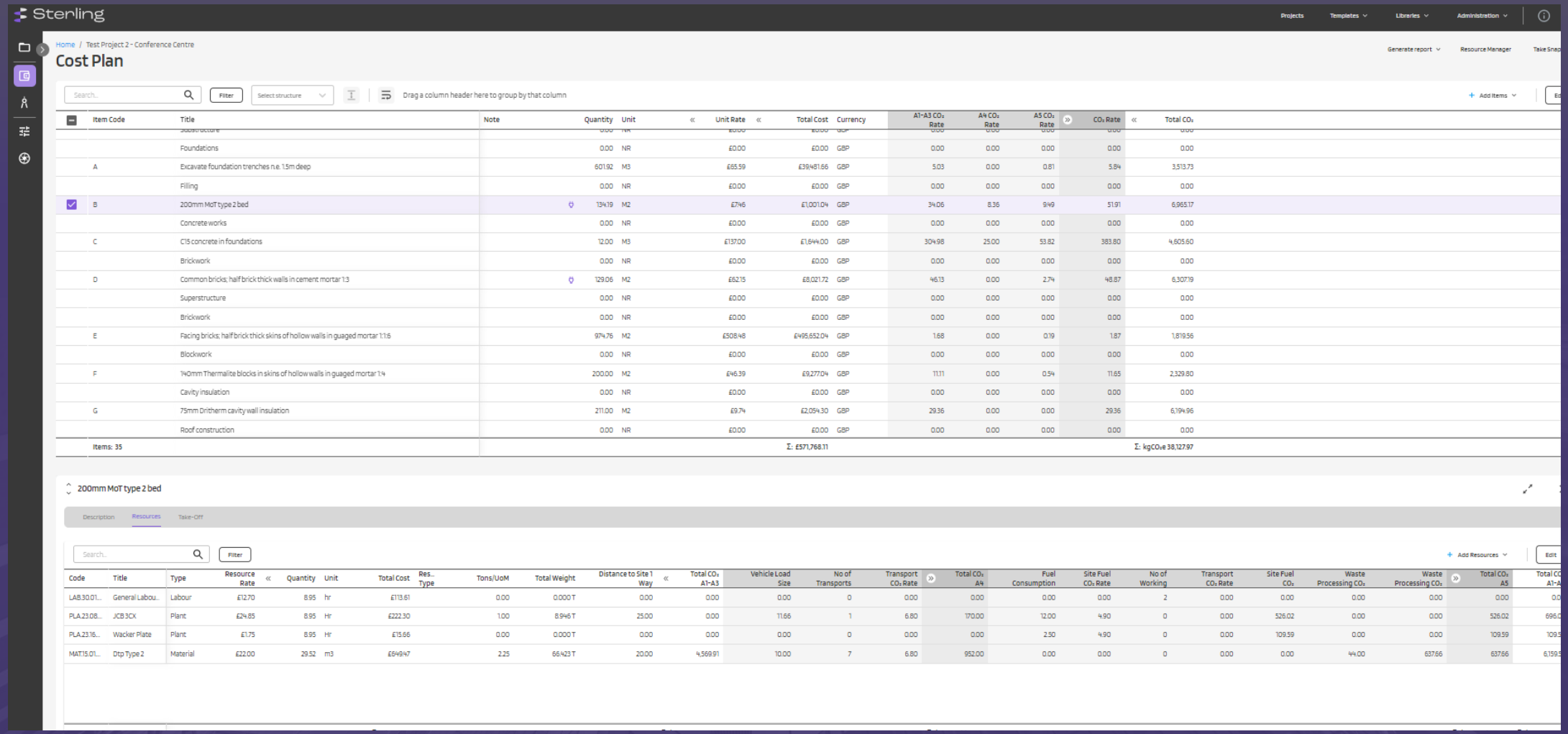
Carbon A1-A5 (Cradle to Practical Completion)



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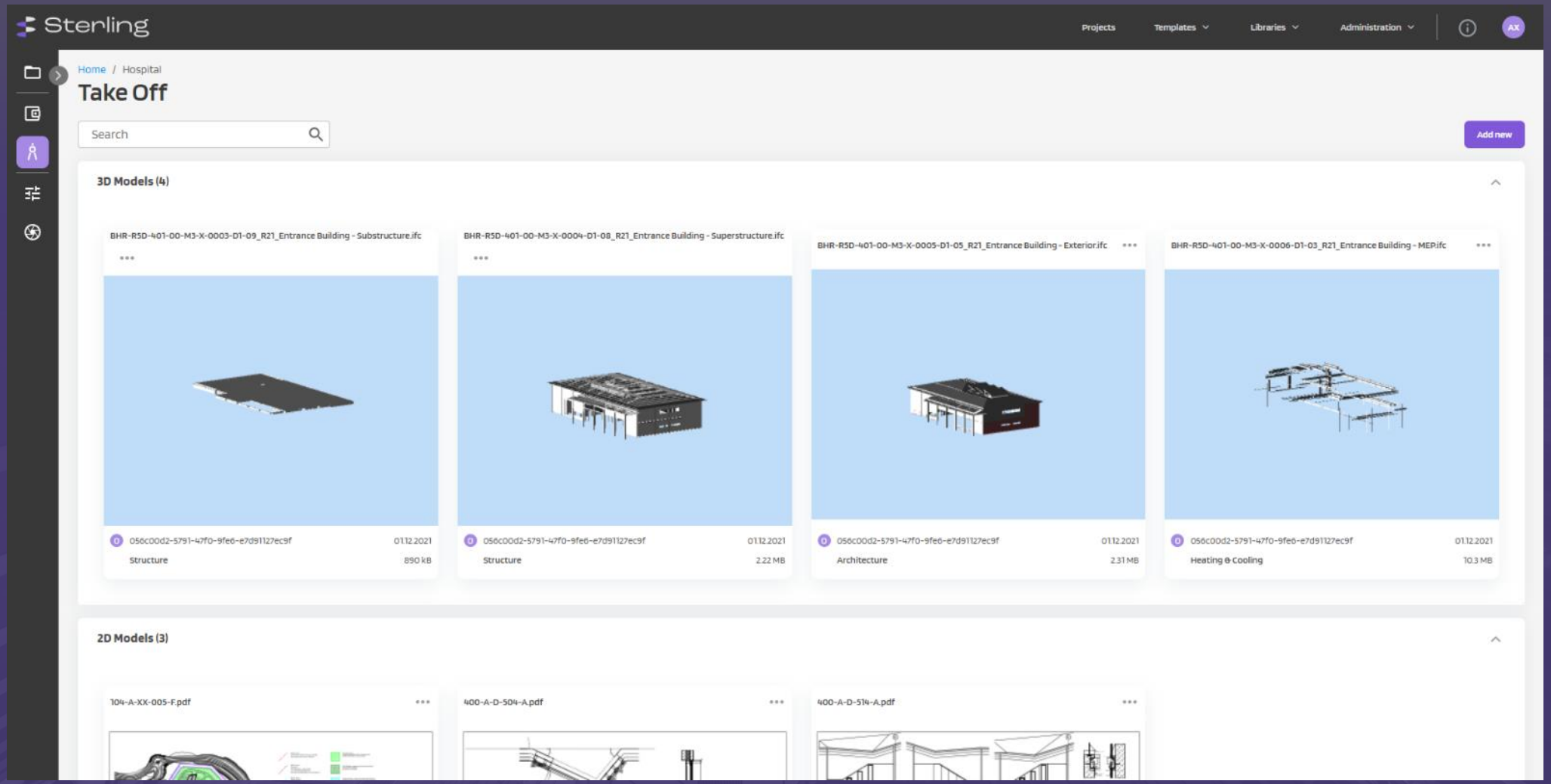
Information Models



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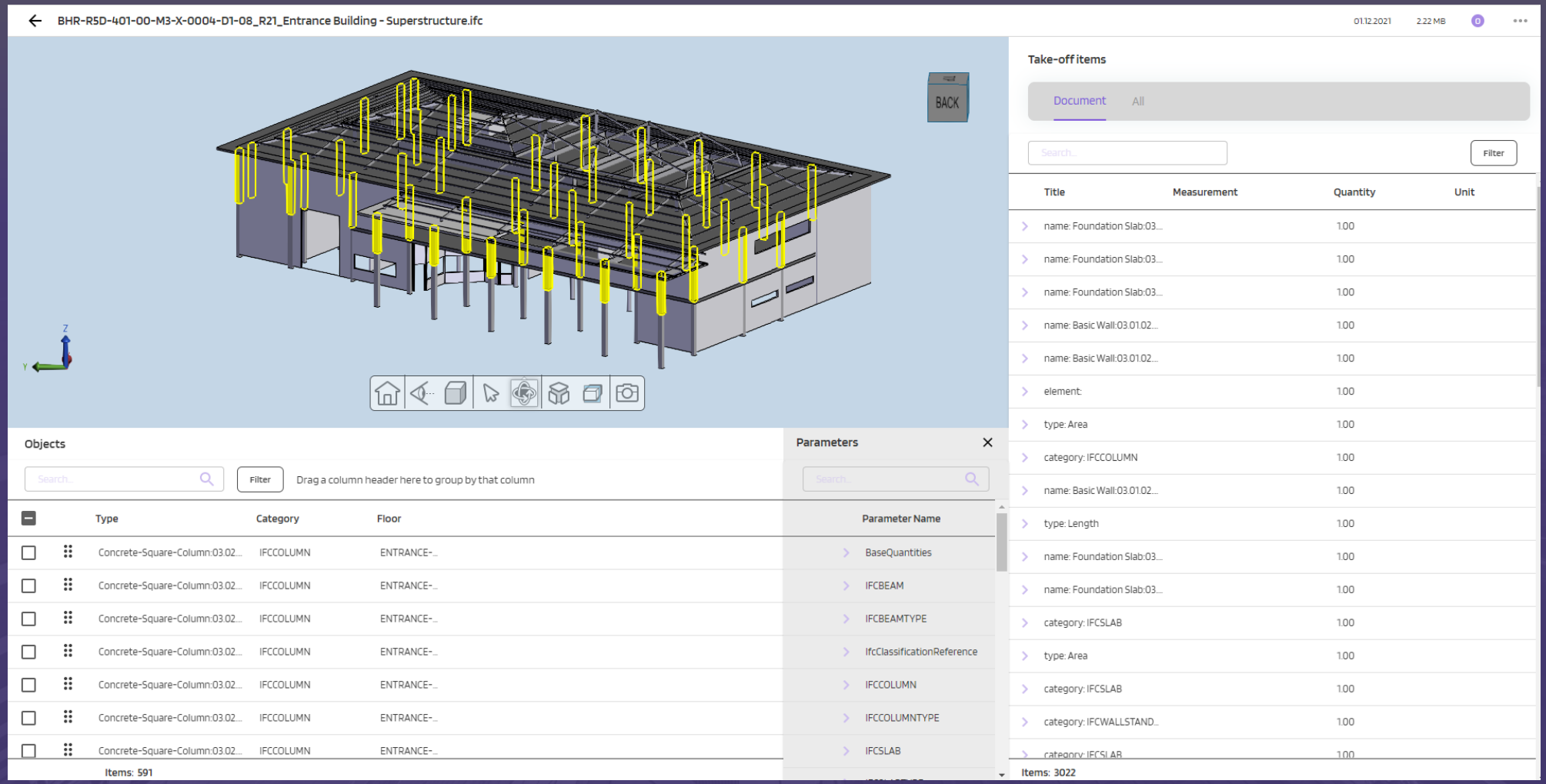
3D/BIM Take-off



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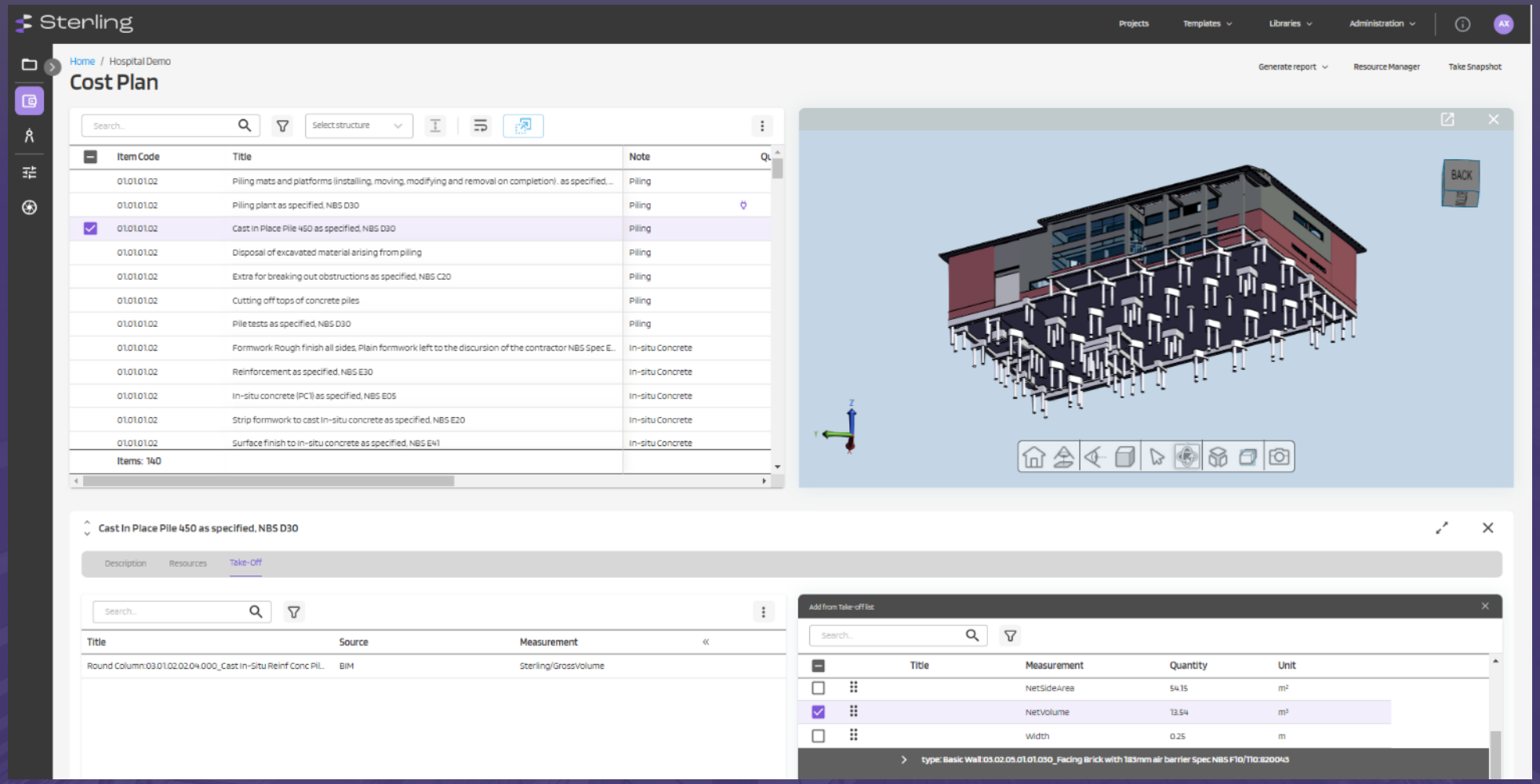
Take-off linked to Cost Plan



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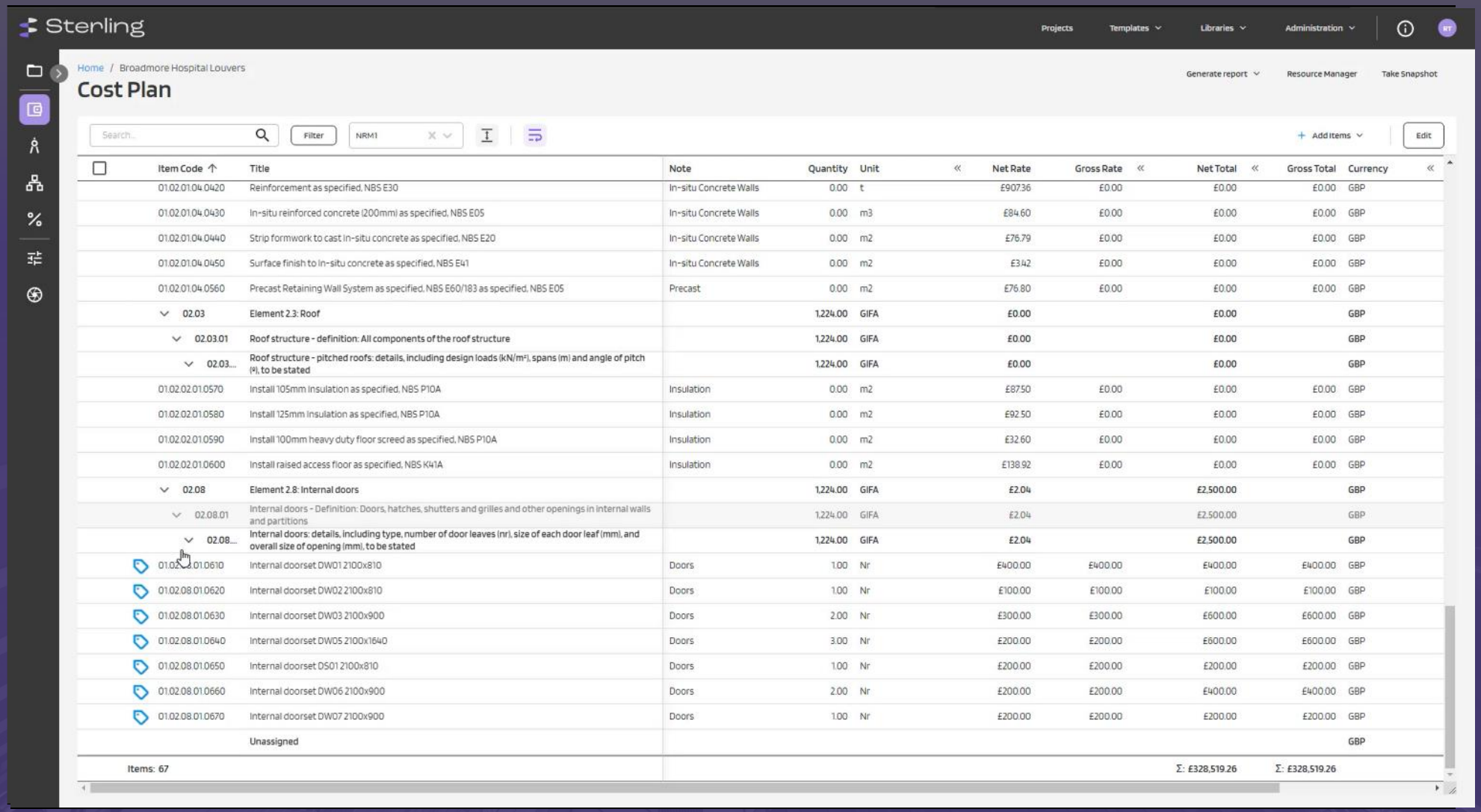
Cost & Carbon Work Packages



Item Code	Title	Note	Quantity	Unit	Net Rate	Gross Rate	Net Total	Gross Total	Currency
01.02.01.04.0420	Reinforcement as specified, NBS E30	In-situ Concrete Walls	0.00	t	£907.36	£0.00	£0.00	£0.00	GBP
01.02.01.04.0430	In-situ reinforced concrete (200mm) as specified, NBS E05	In-situ Concrete Walls	0.00	m3	£84.60	£0.00	£0.00	£0.00	GBP
01.02.01.04.0440	Strip formwork to cast in-situ concrete as specified, NBS E20	In-situ Concrete Walls	0.00	m2	£76.79	£0.00	£0.00	£0.00	GBP
01.02.01.04.0450	Surface finish to in-situ concrete as specified, NBS E41	In-situ Concrete Walls	0.00	m2	£3.42	£0.00	£0.00	£0.00	GBP
01.02.01.04.0560	Precast Retaining Wall System as specified, NBS E60/183 as specified, NBS E05	Precast	0.00	m2	£76.80	£0.00	£0.00	£0.00	GBP
02.03	**Element 2.3: Roof**		**1,224.00**	**GIFA**	**£0.00**		**£0.00**		**GBP**
02.03.01	**Roof structure - definition: All components of the roof structure**		**1,224.00**	**GIFA**	**£0.00**		**£0.00**		**GBP**
02.03....	**Roof structure - pitched roofs: details, including design loads (kN/m²), spans (m) and angle of pitch (°), to be stated**		**1,224.00**	**GIFA**	**£0.00**		**£0.00**		**GBP**
01.02.02.01.0570	Install 105mm insulation as specified, NBS P10A	Insulation	0.00	m2	£8.75	£0.00	£0.00	£0.00	GBP
01.02.02.01.0580	Install 125mm insulation as specified, NBS P10A	Insulation	0.00	m2	£9.25	£0.00	£0.00	£0.00	GBP
01.02.02.01.0590	Install 100mm heavy duty floor screed as specified, NBS P10A	Insulation	0.00	m2	£32.60	£0.00	£0.00	£0.00	GBP
01.02.02.01.0600	Install raised access floor as specified, NBS K41A	Insulation	0.00	m2	£138.92	£0.00	£0.00	£0.00	GBP
02.08	**Element 2.8: Internal doors**		**1,224.00**	**GIFA**	**£2.04**		**£2,500.00**		**GBP**
02.08.01	Internal doors - Definition: Doors, hatches, shutters and grilles and other openings in internal walls and partitions		1,224.00	GIFA	£2.04		£2,500.00		GBP
02.08....	**Internal doors: details, including type, number of door leaves (nr), size of each door leaf (mm), and overall size of opening (mm), to be stated**		**1,224.00**	**GIFA**	**£2.04**		**£2,500.00**		**GBP**
01.02.08.01.0610	Internal doorset DW01 2100x810	Doors	1.00	Nr	£400.00	£400.00	£400.00	£400.00	GBP
01.02.08.01.0620	Internal doorset DW02 2100x810	Doors	1.00	Nr	£100.00	£100.00	£100.00	£100.00	GBP
01.02.08.01.0630	Internal doorset DW03 2100x900	Doors	2.00	Nr	£300.00	£300.00	£600.00	£600.00	GBP
01.02.08.01.0640	Internal doorset DW05 2100x1640	Doors	3.00	Nr	£200.00	£200.00	£600.00	£600.00	GBP
01.02.08.01.0650	Internal doorset DS01 2100x810	Doors	1.00	Nr	£200.00	£200.00	£200.00	£200.00	GBP
01.02.08.01.0660	Internal doorset DW06 2100x900	Doors	2.00	Nr	£200.00	£200.00	£400.00	£400.00	GBP
01.02.08.01.0670	Internal doorset DW07 2100x900	Doors	1.00	Nr	£200.00	£200.00	£200.00	£200.00	GBP
	Unassigned								**GBP**
Items: 67							Σ: £328,519.26	Σ: £328,519.26	

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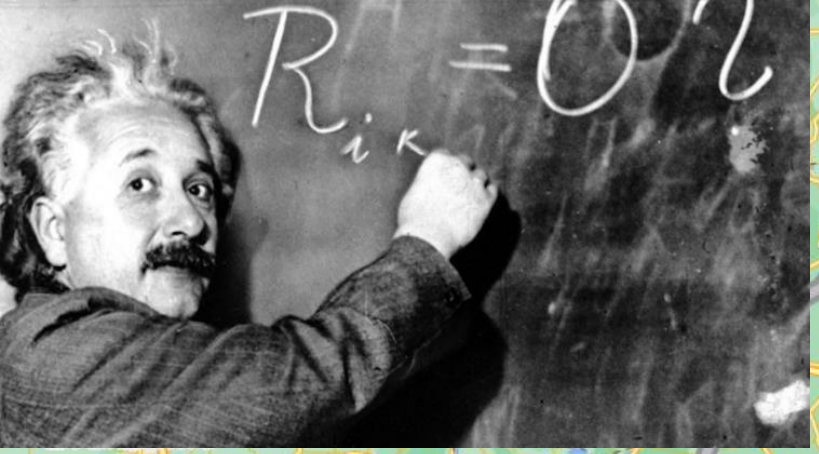

Florence
Huntington
Charleston
Frankfort
6 hr 21 min
388 miles
Owensboro
Elizabethtown
KENTUCKY
Bowling Green
7 hr 13 min
421 miles
Clarksville
Nashville
Cookeville
Crossville
Knoxville
Pigeon Forge
Kingsport
Asheville
Franklin
Murfreesboro
TENNESSEE
Blacksburg
Roanoke
71
64
75
165
69
24
40
81

Roadmap – What to expect in 2023

- Lifecycle Cost & Carbon
- Timeline
  - Dynamic Estimating
  - Forecasting
  - EVA / ECA
- Benchmarking - Leverage your data
- Assemblies / Components …. Plus wizard
- Machine Learning 3D Take-Off
  - Blind → Visual → Assisted
  - Empowering Users
- Integrations
  - Autodesk Docs
  - Autodesk Cost
  - Widest set of Carbon Databases (EC3, ICE, 1Click)
  - Programme – Primavera and MSP

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Project Controls EXPO Washington, DC - USA

C02e

Sterling by Rapid DCS

Email - Alex.jones@rapid-dcs.com

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RAPID DCS DIGITAL TRANSFORMATION

rapid-dcs.com

Find out more here:

Thank You

Sterling by Rapid DCS

Our Next Generation Cost & Carbon Solution is..

User Centric

- Enjoy a fresh modern & intuitive experience
- Designed & tested by industry practitioners
- Work anywhere on our online platform
- Multi-user capability
- Drag & Drop Friendly
- We are determined to make your life easier!

Carbon Ready

- Carbon and Cost estimates co-exist and truly aligned at resource level
- Data to prove & improve your true carbon footprint
- Build, manage and link to rich data sources
- PAS2080 Compliant
- Hosted sustainably

Cost Ready

- Build Top-Down or Bottom-Up Robust Estimates
- Manage multiple resource libraries
- Easily pivot your data from one structure to another
- Measure, audit & track quantities
- Adjust Valuations
- Manage work packages

Digital Ready

- Smart BIM viewer
- 2D & 3D Take Off
- Search, filter & manage by attributes
- Modern, scalable & secure technology
- API = Integration ready
- Powerful reporting
- Fit for Industry 4.0

#PowerfullySimple

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