



Welcome to PANDA

50% of embodied emissions and **20% of costs** from multi-storey buildings could be prevented through better early-stage design decisions.

- PANDA has codified the early-stage design process so is able to generate 1000's of **detailed** design solutions in a few minutes.
- PANDA provides a cost and carbon analysis for every solution to reveal **better** solutions, cheaper with less embodied carbon
- PANDA saves time, reducing the early-stage design process reduced by an average of **2 weeks** reducing the direct design costs
- Organisations who use PANDA will **win new project tenders** in favour of those who don't.

Other software solutions rely on existing designs to provide cost and carbon analysis. PANDA is in a unique space of being able to **generate** detailed design solutions and to provide the cost and carbon analysis for every option.

“The clever bit is that all the options are available, PANDA has encoded the design code and is calculating all the structural options.”



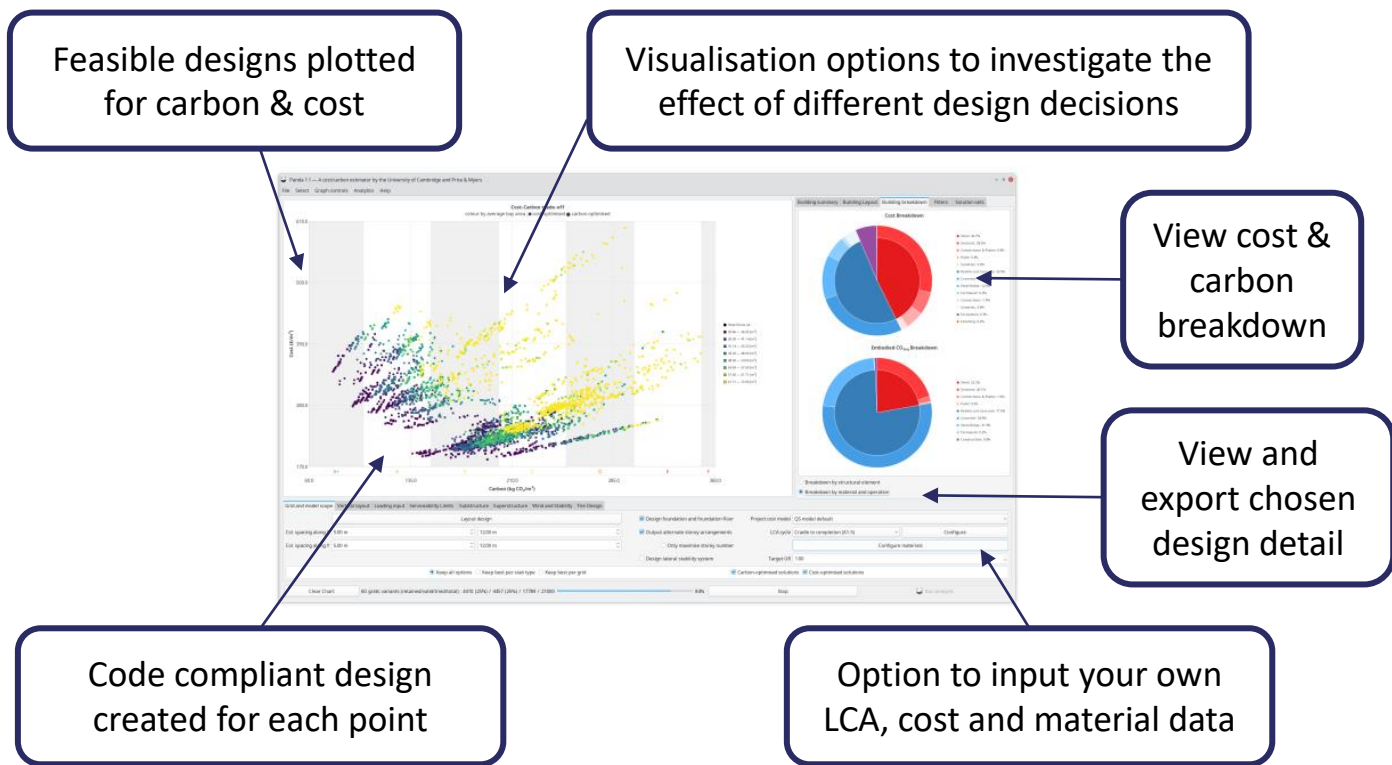
Know your options, halve your carbon



Structural PANDA

What is PANDA?

There are 1000's of options for every client brief, so how do you know that the concepts you select to develop are the best ones? PANDA lets you explore all the options so your team can make fast and informed decisions.



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What can PANDA Do?

If you'd like to explore PANDA's capabilities, please get in touch for a demonstration and trial license. Here is a quick summary of PANDA's features.

Automated generation of cost and carbon for all possible design options

- Full engineering report giving the complete design specs of every bay
- Embodied emission and cost breakdown for each design
- Visualise and filter results by brief requirements such as cost, carbon, grid layouts, structural height, foundation types, decking types,
- Import and compare external datasets to PANDA generated results

Automated Full Eurocode compliant design

- steel, composite, CLT, softwood and precast frames concrete 2-way flat slabs and fabricated sections
- foundation design, including pad, piles and raft options
- flexible arrangement of facade loading and service integration options
- design for lateral stability and fire safety requirements
- vertical space optimization options
- circularity assessment

Use pre-set material, cost and carbon data or input your own datasets

- euro, british and westok steel sections
- cost model validated by a QS,
- carbon data based on ICE and IStructE databases



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What do our customers say?

PANDA has been used throughout 2021 by 30 'guineapig' structural engineers. This is what they thought:

Sustainability: 100% of our early users found that using PANDA reduced the embodied emissions of their building designs.

Cost: our early users found that 90% of their designs beat previous cost benchmarks through using PANDA to make early design decisions.

Time: 87% of our early users claim that they were able to develop better solutions whilst saving time through using PANDA.

"The PANDA software is a disruptive, game changing product which enables us to win tenders through having the inhouse capability to quickly design more sustainable and cheaper solutions"

Partner, Price & Myers



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PANDA Price List, June 2022

Early Access licenses will be available from 1st May 2022

Early Access Licence Fees:

Monthly Floating Licence (1 seat): £395/month

Annual Floating Licence (1 seat): £3450/year

Multi-seat Floating Licence (10 seats): £29,500/year

Multi-seat Floating Licence (20 seats): £48,500/year

Multi-seat Floating Licence (50 seats): £95,000/year

Training & Support:

1 day training workshop: £2500*

User manual & online tutorials

Support from the core development team, including working on feature requests

*1 day training workshop for up to 20 people is provided free of charge for multi-seat licences.

For more information email: contact@structuralpanda.co.uk

Visit us at www.structuralpanda.co.uk

Terms and Conditions

PANDA Development Licences provide information to guide decision making during the early stages of building design. Whilst PANDA follows the Eurocode in designing structures and all numbers are disclosed (in cost/carbon engineering reports), Structural PANDA Ltd does not accept responsibility for the building design and the estimated financial and carbon costs. Please refer to the order form for full terms and conditions.