

ecodex

rapid ■ modular ■ construction

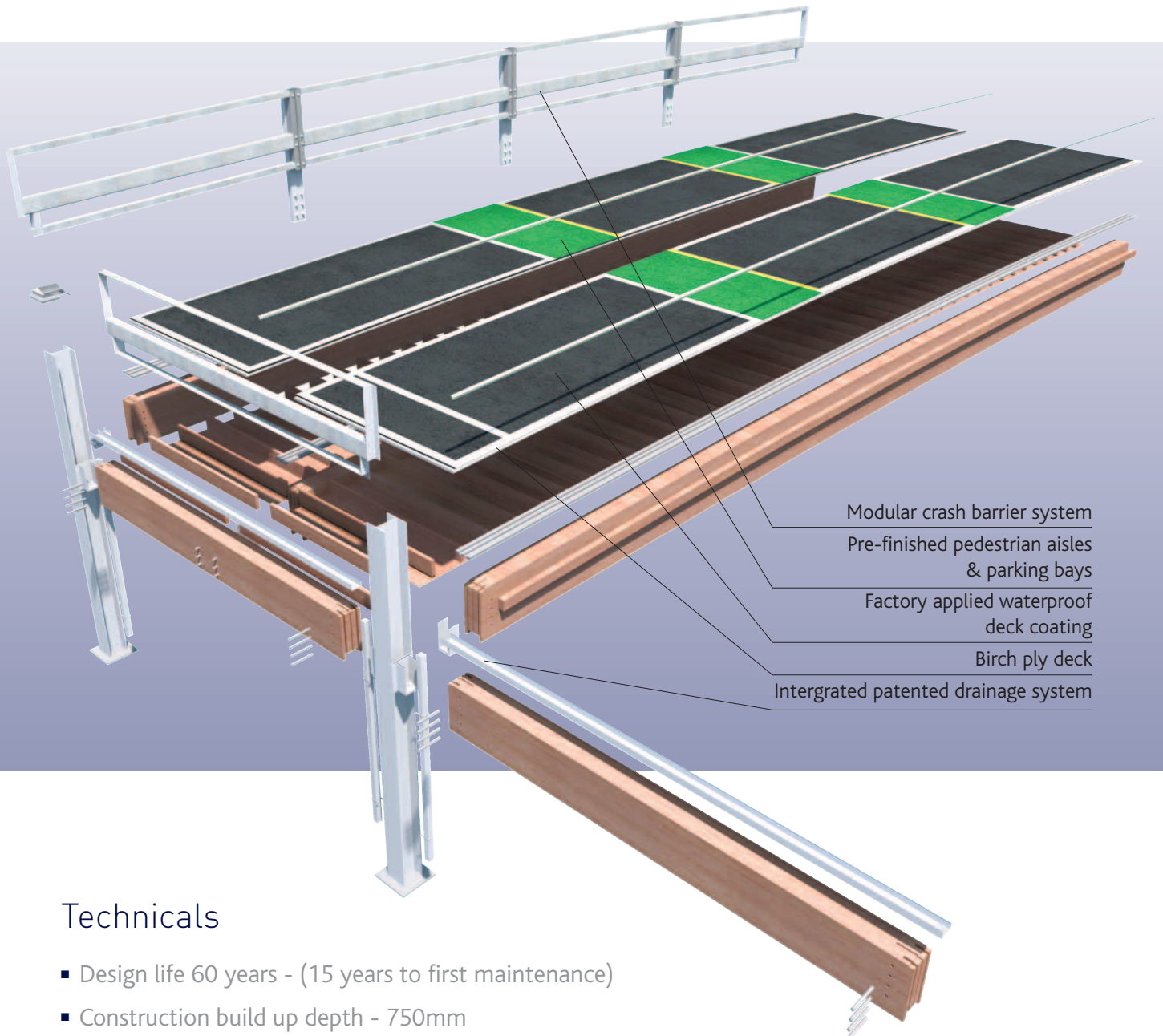


Zero carbon
Rapid construction car parking system
Modular glulam build

Zero Carbon

EcoDex® will revolutionise car park construction. The hybrid system combines the strength and robustness of a steel frame with the known environmental benefits of timber construction.

EcoDex can be constructed with either single or multiple decks and for every single suspended space constructed, the system **stores** approximately 400 kgCO₂e. That's the same quantity of CO₂e produced by a family car travelling 2,000km!

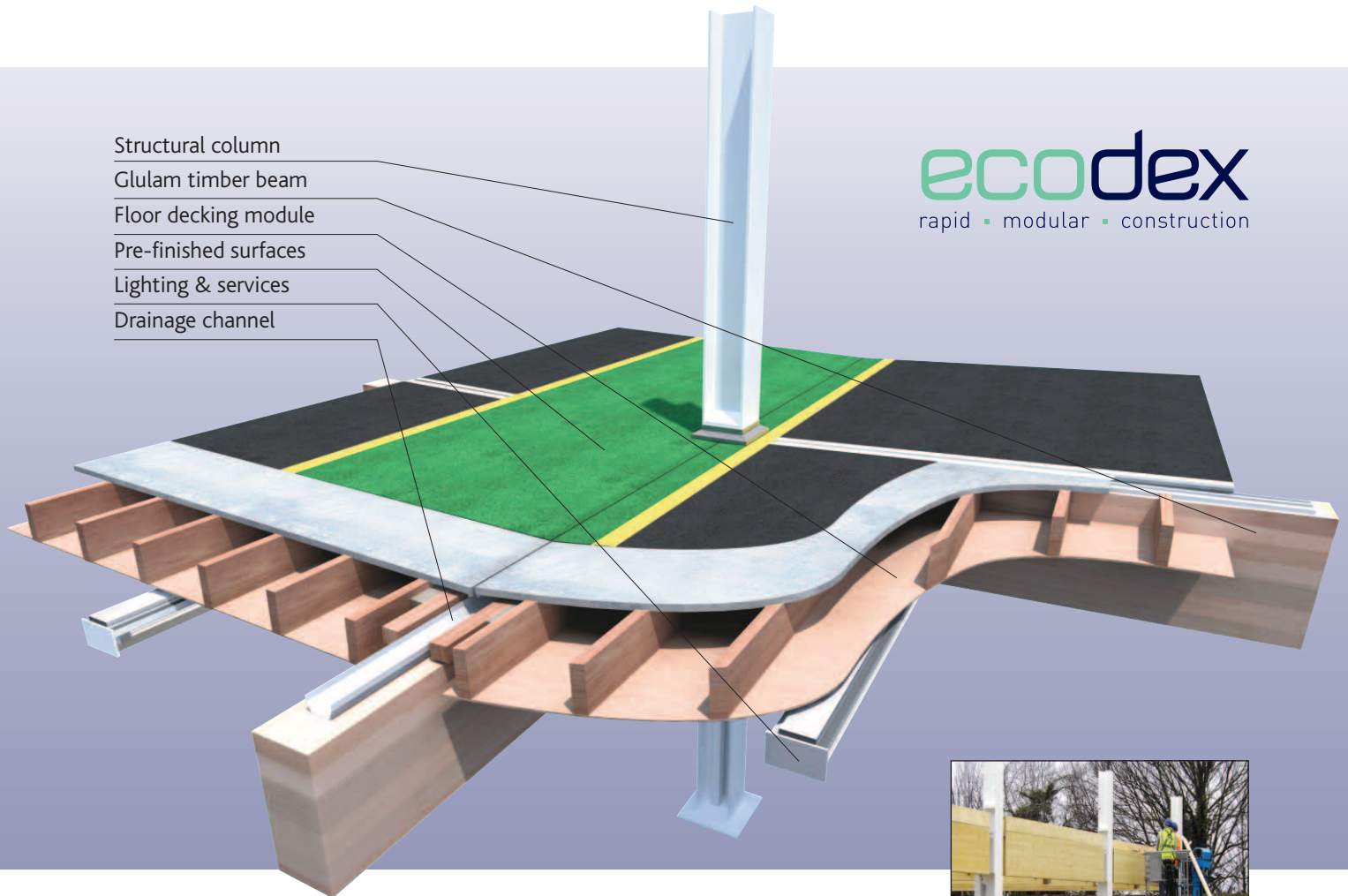


Technicals

- Design life 60 years - (15 years to first maintenance)
- Construction build up depth - 750mm
- Minimum headroom - 2.1m
- Grid - 2.4m/4.8m
- Clear span - 16m
- Multi-storey - up to four storeys
- Design standards - British and European

Rapid Construction

Another key advantage is the substantial reduction in programme time, up to less than 30% versus traditional car park construction. **EcoDex** is a modular building system, resulting in reduced onsite construction activity. If you're looking to upgrade an existing structure, **EcoDex** reduces the number of lost parking spaces during installation, again, offering competitive benefits over more traditional schemes.



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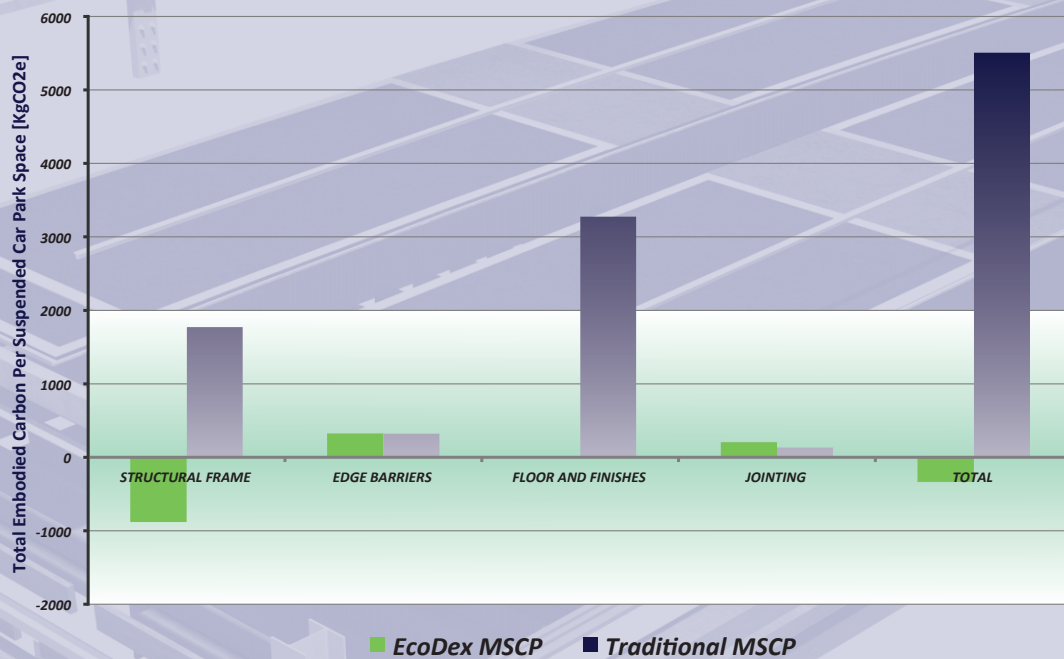


EcoDex benefits:

- Lightweight structure resulting in smaller foundations – delivering additional cost and programme savings
- Patented drainage system which collects water from two separate directions
- No wet trades onsite, everything arrives pre-finished
- Erected decks are ready to use the very same day
- Phasing is quick and easy
- Clear spans result in a light, airy and safer car park for both drivers and pedestrians



Embodied carbon comparison: EcoDex vs. traditional construction



Technicals

EcoDex[®] has been independently assessed by Sustain, a leading sustainability company. Sustain measured **EcoDex**'s carbon footprint across the full lifecycle, from cradle to grave, versus a traditional car park system and confirmed its nett zero carbon credentials. The verified results can be seen in this above table.

The data demonstrates, per car park space, that **EcoDex reduces** carbon by 6,000 kgCO₂e. Put into context, that's the equivalent of a family car driving to Australia and back (30,000km)!

