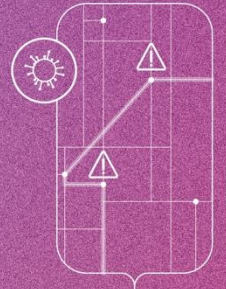
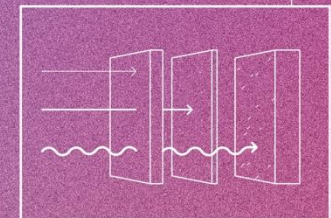
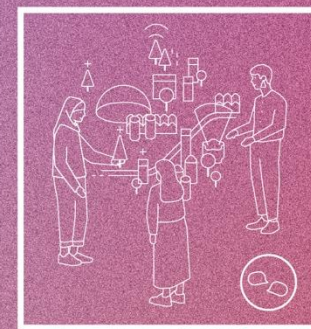


Emergence

Learning buildings



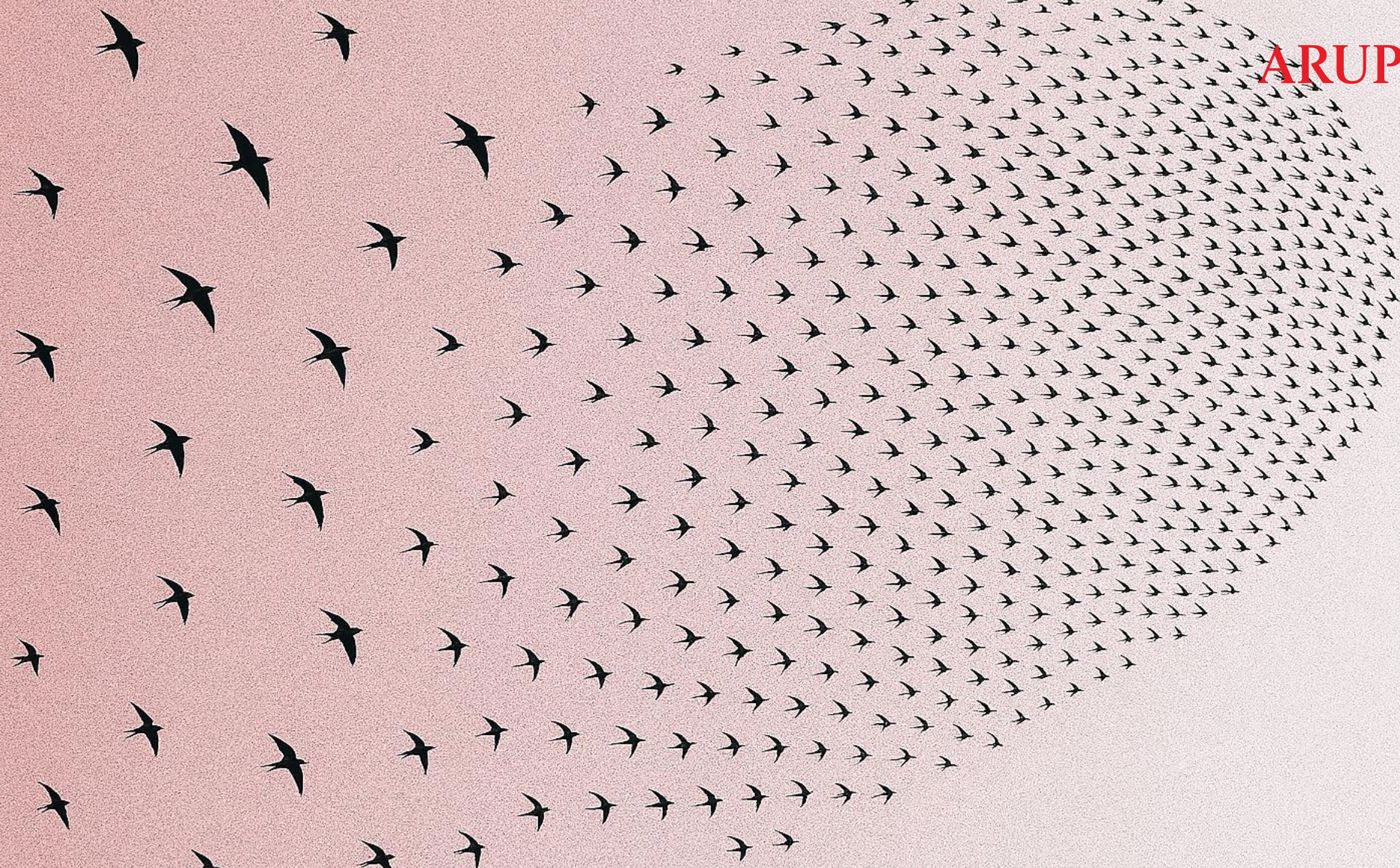
Dr Bree Trevena
Arup Australasia Foresight

ARUP



Now

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What performance changes have
you noticed in the past ten years?



Image: Arts Centre Melbourne



Image: MAP Co

What does
'**Emergence**' mean for
performance in 2050?



Abundant and circular

Quay Quarter Tower



1960s style,
1960s performance expectations



Image: AMP

Tallest building to rise 612ft.

A \$21 million, 612ft. building for the AMP Society at Sydney Cove will cover only 20 percent of the 1½ acre site.

The rest of the site—1.2 acres—will be open to the pedestrian public.

The AMP delivered plans of the development to the City Commissioners in Sydney Town Hall yesterday.

The plans provide for a 46-storey building towering 612ft. above Bridge Street—the tallest in Australia.

Two pedestrian plazas also are provided — one above the other.

Landscaping

Full landscaping is provided on the upper level plaza, and shopping facilities and some landscaping on the lower level plaza.

The Chief City Commissioner (Mr. V. H. Treant) has described the proposed development as "exactly the kind of thing we want in Sydney."

Bounded by Phillip, Bridge and Young Streets, the development is immediately behind the present AMP building facing Circular Quay. It will provide 550,000

square feet of office space and accommodation for 275 cars on two underground levels.

The State Government suspended the Sydney Cove area from the City Planning Scheme some years ago to ensure that overall development fitting for "the gateway to Sydney" would be achieved.

Mr. H. M. Collie, N.S.W. manager of the AMP, said the development would do exactly this.

"Not only will it fulfil the aesthetic requirements of the changing Sydney skyline, it will help provide a fitting gateway to the port of Sydney," he said.

The plans have yet to be examined and processed by City Council officials.

But Mr. Collie and the architects—Peddle Thorp and Walker—expect site demolition to start this year and building to be completed in 1974.

Footnote: The AMP development will be 12 feet higher than the 600ft. Australia Square.





Image: 3XN BVN

98%

original structure retained

12,000t

embodied carbon saved

x2

doubled SQM and population

Hubs for making

1 Triton Square

ARUP

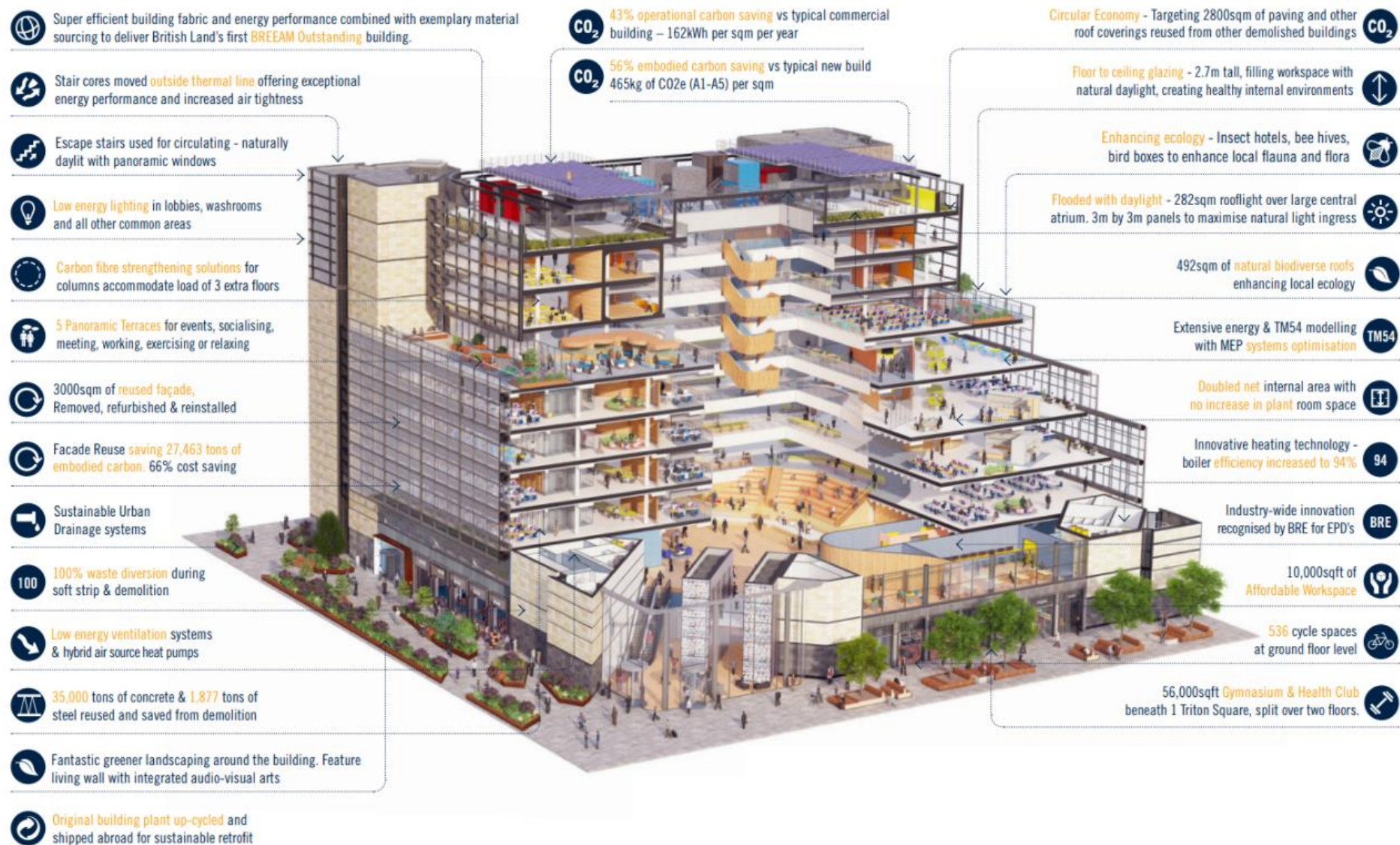




New in the 1990s

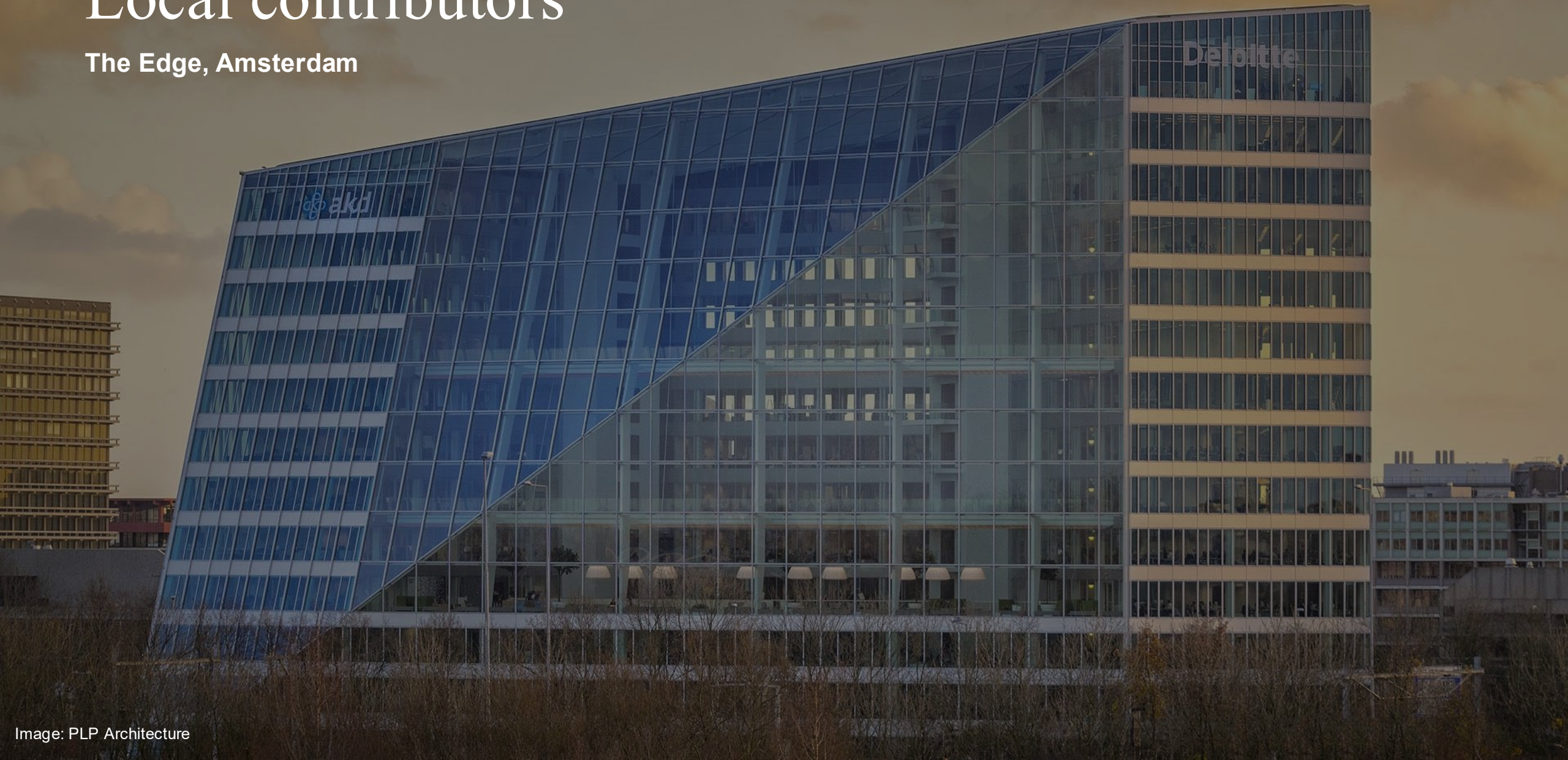


Older and wiser by 2021



Local contributors

The Edge, Amsterdam



30,000

IoT sensors

~30%

energy use of a conventional office
building of this size

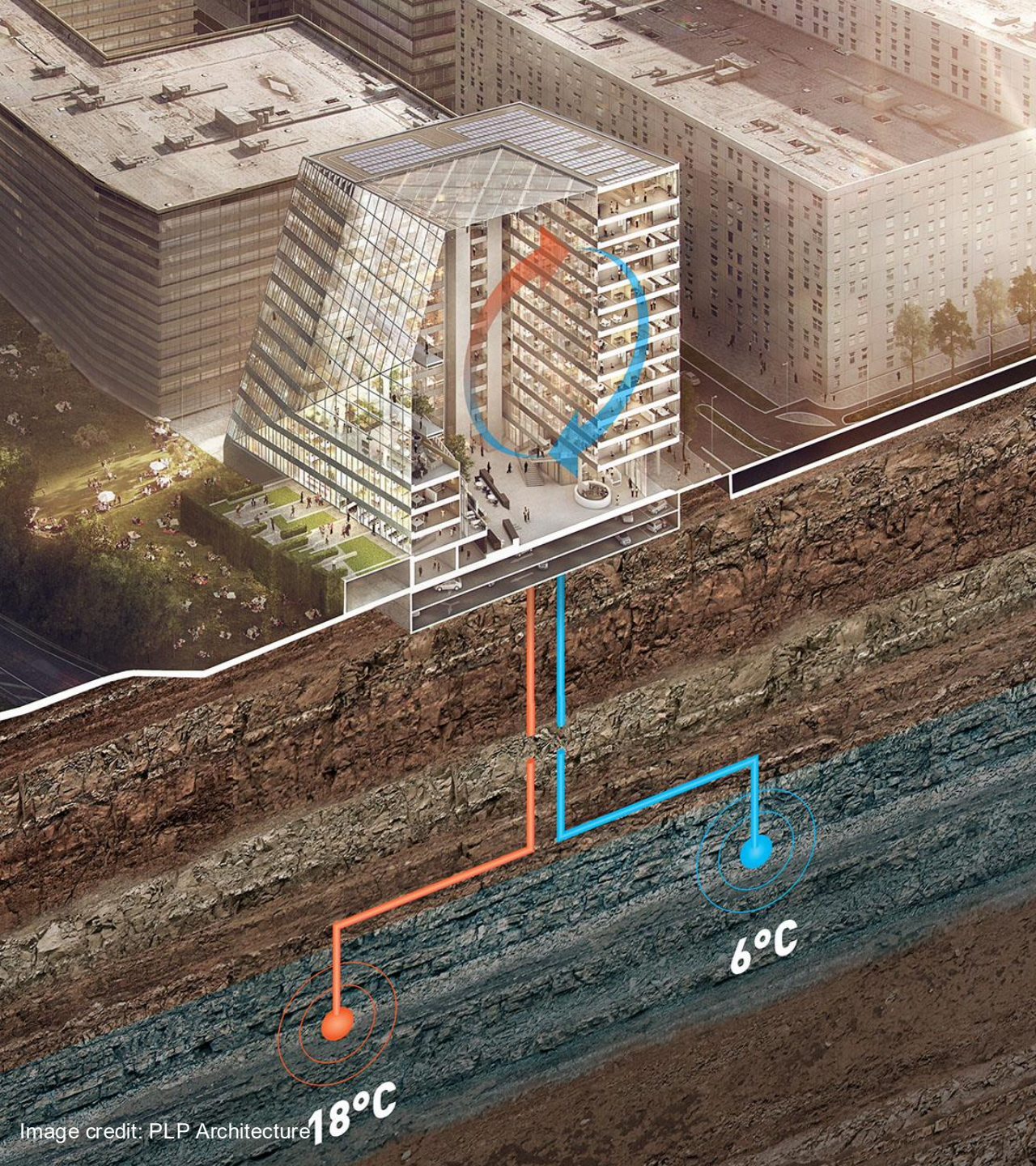


6,038 sqm

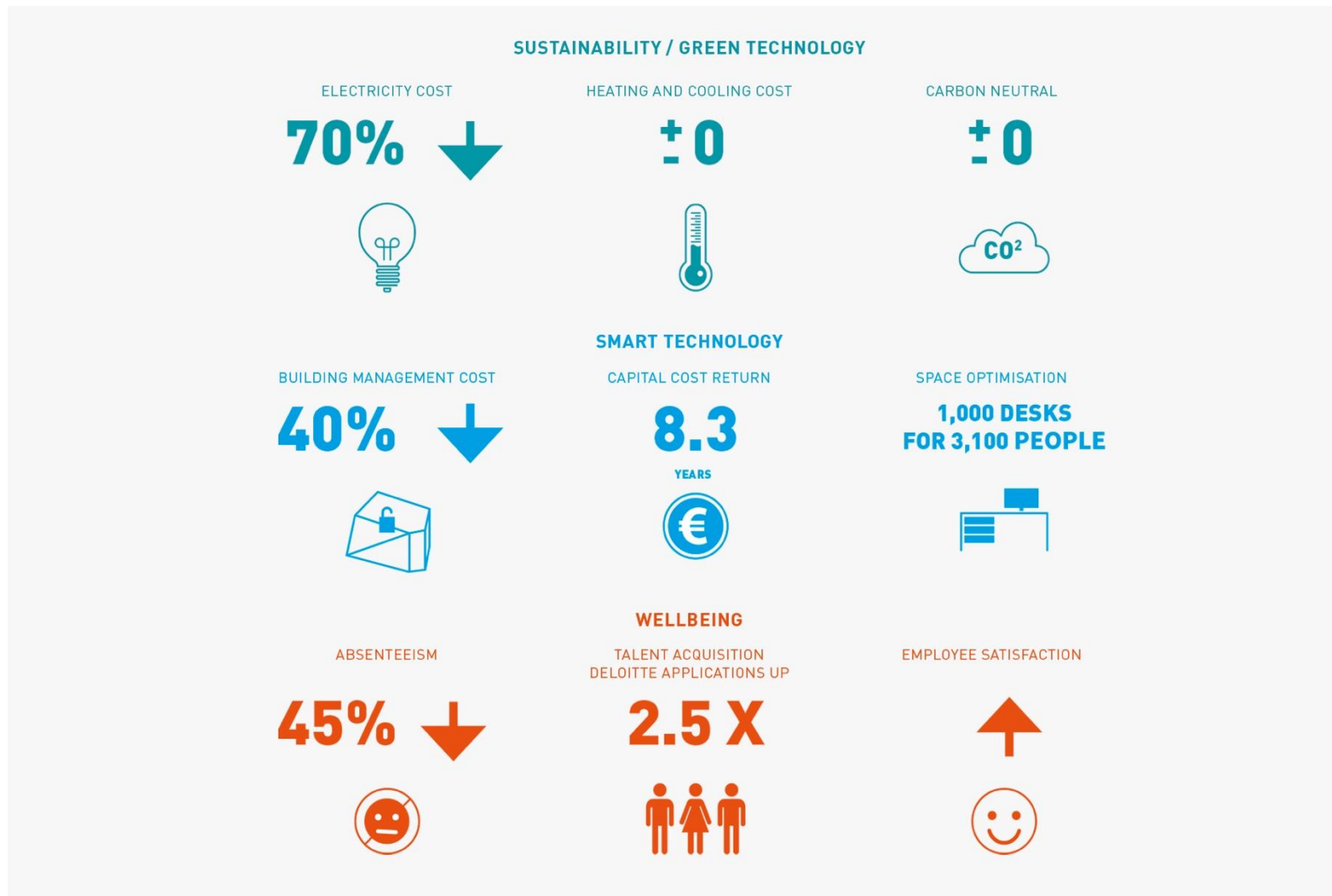
Solar PV

Thermal energy

aquifer system uses seasonal fluctuations to balance heating/cooling needs



A happier building



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