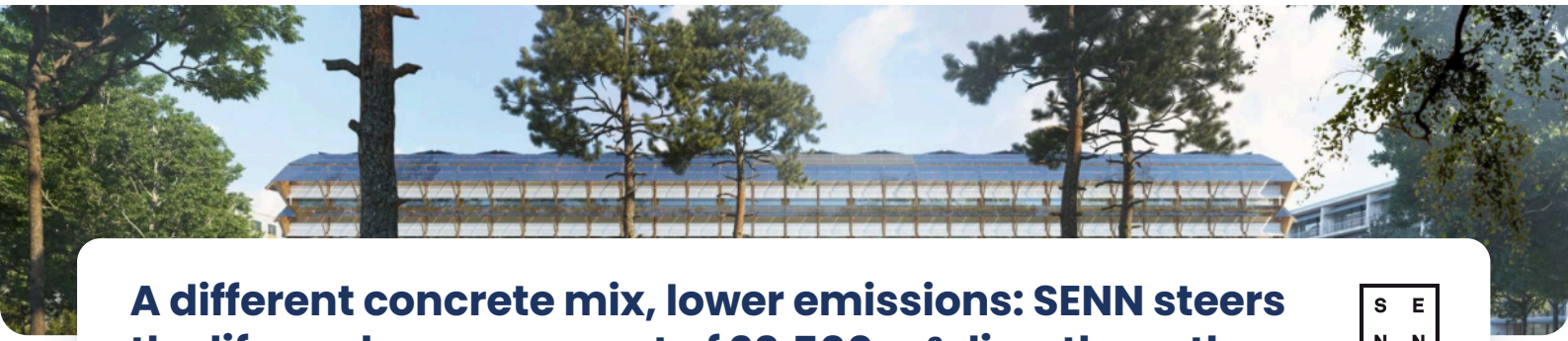


A different concrete mix, lower emissions: SENN steers the life cycle assessment of 20,500 m² directly on the digital model.

Project ALL · Switzerland Innovation Park Basel · Office and laboratory · 20,500 m² usable floor area · Architecture Herzog & de Meuron

20,500 m²
usable floor area assessed

Since 2024
vyzn in use across projects

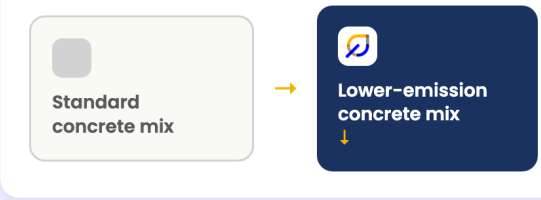
SNBS
recognised life cycle assessment

The starting point

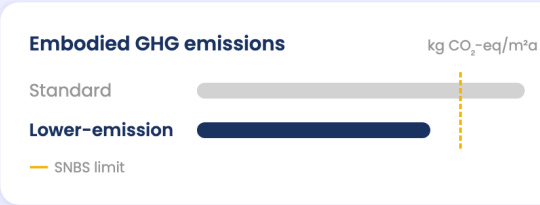
With ALL, SENN is developing a highly flexible office and laboratory building by Herzog & de Meuron with a radical sustainability ambition. Every material and component decision was to show its effect on the life cycle assessment, without measuring areas and quantities by hand.

The result

- **Emissions cut in a targeted way:** a lower-emission concrete mix was created as a new component in the vyzn software, and its effect on the life cycle assessment was visible immediately.
- **The full life cycle assessment, automatically:** greenhouse gas emissions and embodied energy, including the photovoltaic system with European modules.
- **Standard-compliant and SNBS-recognised:** the assessments can be used directly for certification.
- **Material choices made early:** emissions are re-evaluated with every design stage, while decisions are still open.



Material switch analysed in the vyzn software



Life cycle assessment per variant, schematic illustration

ASSESSED IN

Emissions
Greenhouse gas emissions and embodied energy

Compliant with SIA standards

Beyond the project

- In use on further SENN projects since ALL

1 PORTFOLIO

Compare projects with each other

Life cycle assessments and key figures of all projects become comparable using the same method.

2 NEXT PROJECT

Right from the start

Proven components such as the lower-emission concrete mix stay in the catalogue and feed into upcoming projects from the first draft.

3 REPORTING

Certification without extra effort

Emissions data for SNBS and sustainability reports come straight from the model.

For developers with sustainability ambitions: See the CO_2 impact of every material decision instantly, and make every project in your portfolio comparable, from the first draft.