

Learning pathway 'Sustainable Construction'

From:

University-College Thomas More

Faculty/Department/Programme/External partners:

Technology and Design Group

Domain Construction & Interior Design

Abstract:

Sustainable construction is more than a fashion fad. Our program was one of the first to become aware of this. We translate the principles into practical building tips and construction details. It's time for action!

Contact:

lieve.gios@thomasmore.be

Website:

<http://www.thomasmore.be/bouw>



Description:

Think global, act local! Become an ambassador in sustainable construction and save the climate.

The program Bachelor in Construction attaches great importance to 'sustainable innovative construction'... no matter whether it concerns a straw bale house, a Danish-controlled tunnel boring or the construction of a new interchange. Our course wants to immerse the students in sustainable ways of thinking so that they consider 'sustainable construction' just as natural as 'safe construction', for instance, when they graduate.

'Sustainable construction in the program Bachelor in Construction is based on an integrated approach to four elements: energy, water, space and materials.' This vision lies at the basis of the course program and the content of many course components, in which the link with 'sustainable construction' is never far away. We use a logo to make this link visible in the course. This logo is shown in the left column.

Each topic that is related to the integrated vision on sustainable construction is indicated by means of this logo in the textbooks and project booklets. This shows that 'sustainable construction' is the recurring theme throughout the course.

Below, each logo is explained:

Space

Surroundings of the building

Well-thought-out design

Good organisation of the building process

Energy

Zero-energy construction

Renewable energy or best available technique
in accordance with the Trias Energetica

Water

Reduction in water consumption

Water reclamation

Wastewater

Materials

Deliberate choice of building materials

Taking account of the building material life cycle

