



nedcam

and architecture

Your link between design and reality

Nedcam is the partner between architect and contractor for 3D shaped objects. BLOB architecture, huge 3D curved objects: Nedcam would like to share her wealth of experience with you to get it build. At the forefront of technology Nedcam developed several unique concepts:

- The styropor-polyurea concept for buildings as used for the TEXACO petrol stations in Belgium approved according the applicable regulations and safety standards.
- Styropor mouldings for the concrete industry as used for the customized double curved moulding of the Spencer Dock Bridge in Dublin.

Nedcam cooperates with you and a network of highly qualified partners to turn your designs into reality.

Nedcam produces models, prototypes and complete products originating from digital 2D and 3D designs, using highly sophisticated 5-axis CNC-machines. Providing a total concept consisting of advice, management, realization and innovation: Nedcam offers the right solutions for every project.



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Over time NEDCAM has gathered within her network, numerous processes that can be applied as a package, or as a sole activity:

- CNC machining of 2D- and 3D- direct moulds, models and final objects
- CAD/CAM support in 3D design and building phase
- Realisation of 3D-designs as sub-contractor with project management
- Development of custom made solutions



TEXACO PETROL STATIONS (E17 BETWEEN ANTWERP AND GENT)

Architect: Bontinck Architecture and Engineering

Nedcam supplied a 3D-skin of Styropor and PU foam on a framework of steel I-beams. The blocks were coated with polyurea, an especially for this project by Nedcam developed concept for the building industry. The concept has gained approval for all applicable regulations and safety standards. The 3D-skin surface is 9000 m² in total.



RABIN CENTER (TEL AVIV)

Architect: Moshe Safdie

Nedcam supplied the Styropor direct mouldings. In the mouldings sandwich panels of polyester and PU-foam were produced by using RTM. In Tel Aviv the parts were connected and placed on top of the building.



SPENCER DOCK BRIDGE (DUBLIN)

Architect: Future Systems

The complete 3D-engineering of the concrete moulding is done by Nedcam. This moulding consist of 3D machined styropor blocks with a polyurea coating. The bottom part of the bridge is poured on-site as one part in the styropor/polyurea shaped mould. The sides of the bridge are produced in parts and placed afterwards. Nedcam took care of the building description, the transport and on-site support for assembly of the parts.



CENTRAL STATION ARNHEM

Architect: UN Studio and ARUP

Nedcam developed a method to get 3D shaped concrete and GFRC panels directly from Styropor moulds.



BUS STATION „FLUID VEHICLE“ (HOOFDDORP)

Architect: Maurice Nio

Nedcam machined the Styropor-parts of the complete bus station (50m x 10m x 5m). The parts were assembled and glued on-site and covered with GFRP.