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Paswoningen Het Dorp

Housing for people with severe physical or multiple disabilities

Health Facility Project Name	**Paswoningen Het Dorp**
Country	Netherlands
Location	Dreef 1 Arnhem
Type of healthcare facility	Housing for people with severe physical or multiple disabilities
Type of construction	New Build
Construction start date	July 2012
Construction completion date	November 2012 – in use
Gross floor area	185m^2
Project, design and construction cost	Euro 261.000, excl VAT, automation and equipment
Cost per m^2	Euro 1.238 (building costs, excluding VAT)
Total bed numbers	Two houses with 1-2 residents
Departmental information	Two houses (semidetached) for people with severe physical or multiple disabilities. The project is a testing ground for adapted housing and a precursor to replace other residential building on the site.
Client/owner	Siza, Arnhem http://www.siza.nl/
Capital procurement route	Public (government) funding (?).
Architects	Eric Vreedenburgh, Archipelontwerpers, The Hague, www.archipelontwerpers.nl
Contractor	Thermoblock – Tricon Bouw
Project manager	Harry van Heeswijk, AnArchi
Services	Siza offers support to people who encounter obstacles in everyday life, due to severe physical or multiple disabilities. The aim is to let clients become part of society. In this particular case, Siza offers

clients the opportunity to try and test innovative housing in combination with the necessary support in terms of devices, care and nursing.

With this project Siza wanted to realize two experimental houses in which the relationship between architecture, automation and care could be tested, before redeveloping a large part of the housing on the site – with the condition that all of the techniques used in this experiment had to be available on the market. The concept is to provide more independence for residents with the additional effect that costs can be saved on staff and effort.

Adapting the client or the house?
The core of this project consists of a complete new view of housing-solutions for people with severe physical or multiple disabilities: instead of adapting the occupants to the available accommodation, in future the property should be adaptable to the needs of the clients. The inventory and layout should be flexible and adjustable at any time and preferably the alteration must be carried out by the residents themselves.

This is done by packing the apartments with easy to use features, controlled from one central unit, which also operates the electric wheelchair and houses an e-reader, internet access, telephone and Skype. Furthermore the unit is fitted with a home-care automation system that features acoustic monitoring, observation, nurse call and wireless alarm. Other monitoring functions, such as personal alarms, fire alarm and intruder alarm, can also be added to the system.

Sustainable housing
In addition to a focus on use of energy and materials, the concept of sustainability in this project also relates to the possibility of adjusting the real estate to be tailored to the needs of the residents. Movable walls, closets and fixed inventory make it possible to adapt spaces to the individual's needs and wishes.

Besides the integration of technical devices and carefully designed furniture, the way the apartments are shaped contributes to the ease of use for its inhabitants: the houses are organized so that residents only have to move in a straight line to reach all the main functions. The careful attention to interior, views and lighting makes the apartments pleasant, even for patients who are confined to bed.

Awards
This project has received two notable awards. In 2013 it won 1st prize in the Smart Building Awards ('Slimbouwen'), and in 2014 it received an honorable mention in Hedy d'Ancona prize for outstanding care architecture.

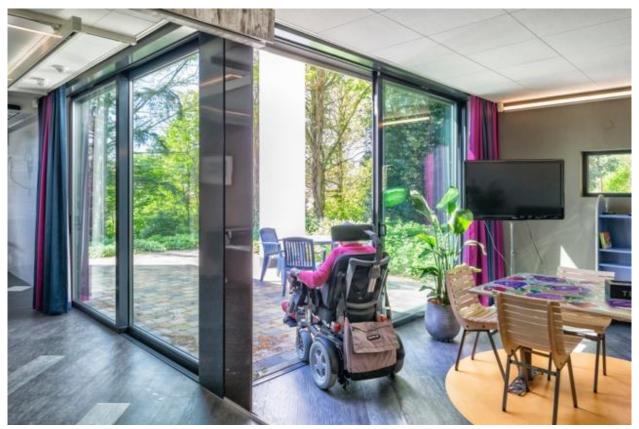Exterior (1). Photograph: Ronald Tilleman

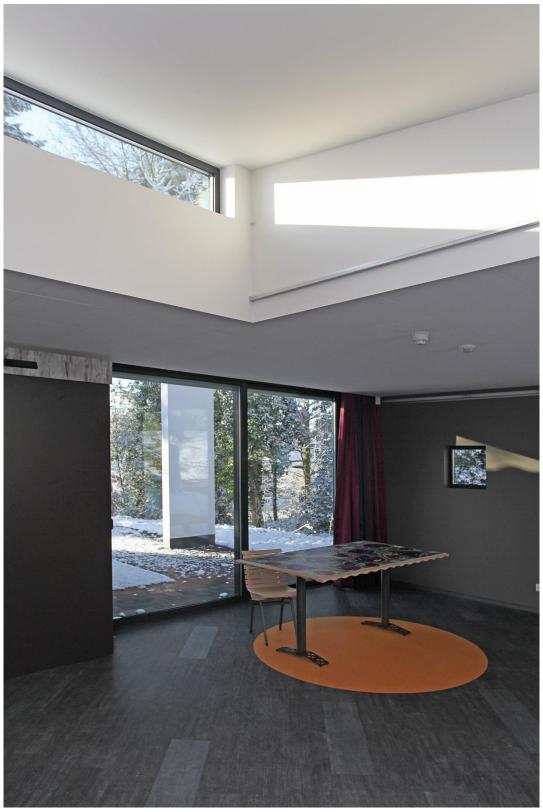Exterior (2). Photograph: Ronald Tilleman

Plan

Interior (1). Photograph: Mick Dorland

Interior (2). Photograph: Mick Dorland

Interior (3). Photograph: Mick Dorland