



Pellikaan

Design – Build - Operate

From humble beginnings, in 1947, as a regional construction company, Pellikaan has since expanded internationally, taking in the Belgian, German and UK markets. The Company ventures across the commercial, educational and recreational sectors. Now, Pellikaan has completed over 900 sports and leisure centres with more than 500 swimming pools, hailing the Company as a leading construction Company in the European sports industry. Still, 50% of the Pellikaan's turnover is generated on commercial projects for governments, developers, schools, and several multinational chains.

By working internationally and for a variety of Clients, Pellikaan has gained a wealth of experience which gives them a commercial edge in designing and building projects across a broad range of sectors. Knowledge of internationally differing sustainability measures and the experience of operating their own leisure centres in Holland further enhance the Pellikaan offer, whilst repeat business for major Clients such as David Lloyd highlights the consistency and quality of the Company's work.

A good balance between people, environment and business is the basis for the future. Therefore, sustainability is a key theme for Pellikaan and all of its developments. The Company's great experience with environmentally friendly measures in Europe has led to international recognition and all Pellikaan projects are subject to careful consideration of social, environmental and economic interests in the design, construction and operation of the building.

Commercial Director Gert-Jan Peeters said: "Reducing the use of natural resources like energy and water is one of the most effective ways to protect the environment and results in immediate cost savings. Not

all environmental measures are expensive. Both during the design and the construction phases of a project many benefits are to be gained through working sustainably - both environmental and financial."

Pellikaan use all available technologies to ensure sustainability. Besides common techniques such as solar panels and heat recovery systems, the Company also uses more specialist systems such as thermal energy sources, phase change material, and combined heat and power plants. The measures taken during design and construction will continue to contribute to lower energy costs and reduced effects on the environment once the building is in use.

Villa Flora

A fine example of Pellikaan's work can be seen at Villa Flora, which has been built on behalf of the Venlo region for the 2012 Floriade, the World Horticultural Expo. After the Floriade exhibition, the combination of exhibition and office space will house several innovative companies, including agricultural businesses, under one roof. Pellikaan was selected for this Design and Build project through a European tender procedure.

The striking building is designed according to the cradle-to-cradle principle and is extremely sustainable. Full of greenery, the building provides a pleasant and flourishing environment. It will be an on-going asset to the Venlo region, which is the second Greenport in the Netherlands.

Villa Flora's energy use is minimised through the use of an ingenious lighting control system, energy-efficient lighting, and underground thermal energy storage. Pellikaan has also used glass and roofing materials rated high for insulation, and optimise the use of renewable energy during operation (solar, geothermal, bio-

fermentation). This ensures that Villa Flora has the smallest possible carbon footprint.

Loampit Vale Leisure Centre

In the UK, Pellikaan is on site at the Loampit Vale Leisure Centre. The leisure centre is part of Barratt Homes' 'Renaissance development' in the London Borough of Lewisham and includes a 25m competition pool, a teaching pool, fitness studios, climbing wall and creche. It will have 45% reduction in carbon emissions (compared to building regulation requirements) and water recycling. Delivering a landmark building that reflects a commitment to the arts; artist Phil Coy is working with LA Architects to use the facade of the leisure centre to form a unique art installation.

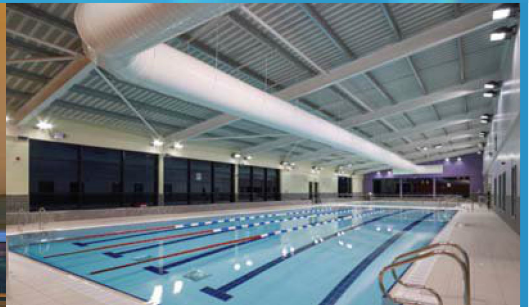
According to Gert-Jan Peeters, Director of Pellikaan in the UK, this is a special project for Pellikaan: "as the leisure centre is attached to the main construction works for a major housing project, it is extremely important that we work closely with Barratt Homes and their design team".

Horley Leisure Centre

At the new public leisure centre in Horley, the low carbon energy philosophy influenced design and engineering decisions: A biomass boiler with a burner suitable for woodchips and wood pellets was installed; there are pool covers, heat exchange system, solar panels (photovoltaic) and a lighting scheme based on daylight saving and PIR sensors. Also the entire building is made of concrete with laminated timber beams, columns, and roof and wall panels. The new facilities include a 25m pool together with a learner pool, four court multi-use sports hall, a 60 station fitness suite, studio and related changing and reception facilities. →

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David Lloyd Leisure Farnham

In Farnham, Pellikaan just handed over the latest addition to the David Lloyd Leisure, health, fitness and leisure group of clubs, which will be opened by Denise Lewis on December 6th. The new 6,000-plus sq m club will feature the largest spa of any David Lloyd Leisure club, a plethora of sporting and fitness facilities, and a DL Kids dedicated area for children and families. The 1,200sq m Amida Spa will comprise six

treatment rooms, four relaxation rooms, a relaxation area, nail studio, spray tan room, sun deck, spa plunge pool, outdoor sauna cabins, heated outdoor hydro spa pool and indoor sauna/steam/experience rooms. The extensive spa facility is a new addition to the UK market and combines ancient Eastern philosophy, Western technology and European style.

With eight outdoor tennis courts, the Farnham club will also provide some of the

best tennis facilities in the region. The multi-purpose sports hall, housing three badminton courts, will enhance the racquets offering along with two squash courts.

Two physiotherapy rooms will add to the comprehensive facilities and services, ensuring that every sporting need is met. Furthermore, the complex will boast a 25m indoor swimming pool and separate children's pool.

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Company profile

Based in Bedford, ACO Building Drainage is the UK's leading specialist in the design and manufacture of corrosion resistant drainage systems and products. Providing both standard and bespoke solutions, the company's mission is to eliminate design risk, to reduce installation and life cost, while delivering exceptional finish and performance in every product application.

ACO Building Drainage is a division of ACO Technologies plc and part of the worldwide ACO Group, who has been manufacturing and selling market leading drainage systems for over 60 years. During this time the group has made extensive investment in global research and development, and manufactures products worldwide at modern environmentally sensitive production facilities in the UK, Germany, France, Switzerland, Denmark, Spain, Poland, Czech Republic, Australia and the USA.

In addition, with quality systems in place that meet the requirements of ISO 9001-2008, you can guarantee that you are always getting an exceptional product.

Services

With such proven experience, the company's professional engineering team assists its clients, whether they are simply upgrading existing facilities or working on a new build, with a no obligation individual consultation, helping to resolve drainage issues efficiently and cost effectively.

A personal product advice, bespoke design service, where concepts are developed using cutting edge modelling CAD technology and manufactured within the company's state of the art production facilities, is also available.

Ultimately, our sophisticated products enable designers, architects, installers and maintenance personnel to meet the design, performance and financial goals of each project, while also meeting the requirements of the latest building regulations. Each solution is backed by years of design experience and project support, as well as the company's global resources and manufacturing capacity.