Remarkable terminal

The public transport terminal in Arnhem, the Netherlands, will be opened on 19 November. A joint venture, involving BAM Bouw en Techniek and Ballast Nedam, delivered this remarkably shaped building, designed by UNStudio.

The infrastructure work near the terminal, including the square for the trolley buses, is in its final stages. BAM Infra is involved with this work.

www.arnhemcentraal.nl

Silence is golden in Soho 3
BAM brings BIM to the building site 5
BAM Nuttall 150 years 6
**From the Board**

**BAM World**

Hospital Stuttgart

In January 2016, BAM Deutschland will start work on an €88 million project to refurbish Stuttgart’s municipal hospital. The project involves the construction of a new six-floor main building, three basement floors and a connecting hall. The project is scheduled for completion by the end of 2018.

Swimming near the Clyde

Once ocean liners were built here – now it is a swimming and sports complex. On the banks of the River Clyde in Clydebank, Scotland, BAM Construct UK is building a futuristic complex with baths, a sports hall, fitness centre, dance studio, and catering facilities. The project, with a contract value of £22 million, will be ready in early 2017.

**In Shape to Start!**

BAM’s CEO pointed out that the theme ‘In Shape to Start’ means assessing the activities and working environment before each shift. This should happen again during each different work activity during each day. ‘We are all each other’s safety coach, so help your colleagues to stay alert and make safety a topic for discussion’, he said.

Van Wingerden also introduced the special health and safety app. After that the Safety Day programme was filled with presentations, workshops and/or toolbox meetings all over the world.

www.bamsafety.eu

**Moving in the right direction**

The world is changing at an ever-increasing pace ... and so is BAM! That’s also reflected in this new design of BAM World.

We value the opportunity to share with you all the impressive work that BAM colleagues are achieving. Our clever solutions, our commitment to health and safety, new technology ... that’s how we can make a difference as this edition of BAM World is showing you.

We are definitely moving in the right direction. Our Back in Shape programme has made strong progress in many ways. For example three thousand people have been trained in our working capital programme!

Back in Shape remains our top priority for 2015 but we are preparing our strategy for 2016 and beyond. The new strategy Growing Together will be proactive, concentrating on embracing new technologies and areas where our leadership, scale and expertise align with attractive market opportunities.

Back in Shape has strengthened and continue to strengthen our culture, simplify our structure and sharpen our processes. Let’s finish making that foundation for the future of BAM’s success in 2016 and beyond.

Rob van Wingerden,
CEO
Silence is golden in Soho

Working in tight sites in the largest capital city in the world is nothing new for BAM Construction in London but, nonetheless, each site brings its own special challenges. The team at 30 Broadwick Street in the heart of Soho are building a 95,000 m² seven storey office block with ground floor retail outlets on a site surrounded by three narrow streets.

Soho is famously the home of many small film, editing and recording studios, so managing noise is a particular challenge. Assistant site manager, George Norris, spends a great deal of time liaising with the neighbours. ‘We try to work a two hours-on two hours-off system so that they have periods when they know they can record and edit soundtracks without the risk of background noise. Also we have accommodated special requests where a longer film has to be edited.’ For senior site manager, Lee MacDonald, the £30 million project presents a varied array of technical challenges. The building is sensitively designed to blend in with three streetscapes which means three distinctive aspects to the facades using London brick and a variety of glazed tiles. ‘The lime based mortar which is used to lay the glazed bricks, can only be laid in a temperature of more than five degrees and rising, so I am keeping a close eye on the weather as the year goes on and praying for a mild winter.’ Overall, the programme is going well, according to MacDonald. ‘Our client Great Portland Estates know what they want. They can be demanding, but they are also supportive and decisive when we need them to be and are very good to work with.’

Norris adds: ‘It’s interesting to be working in such a famous part of London and to be delivering a modern building that will add to the area but will also blend in with the old Soho.’

Lee MacDonald (left) and George Norris.
The Grand Duke of Luxembourg recently officially opened the two tunnels on the Route du Nord (A7), north of Luxembourg City. The Grouft Tunnel and Stafelter Tunnel – 3,000 and 1,850 metres in length respectively – were constructed by a joint venture that included BAM Lux and Wayss & Freytag Ingenieurbau.

**All aboard Borders Railway!**

On the day that she surpassed Queen Victoria’s record as the UK’s longest-serving monarch, Queen Elizabeth opened the new Borders Railway. On this special day, she travelled the route, from Edinburgh to Tweedbank, on a train pulled by the Union of South Africa steam locomotive. Since its opening on 6 September, there have been more than 125,000 passenger journeys on the fifty kilometre long Borders Railway. Locals and businesses have already been benefiting from the new line, which runs between Edinburgh, Midlothian and the Scottish Borders.

**On time and within budget**
The railway was completed earlier this year by BAM Nuttall, BAM Rail, and BAM Contractors, on time and within budget.
BAM brings BIM to the building site

Using an iPad, project engineers, foremen, and carpenters working with BAM Woningbouw, will shortly have online access on site to the 3D models created by designers in BIM. ‘The BIM360 Field Autodesk application will make it easier for colleagues on building sites’, says Niels van der Werf, BAM Woningbouw project co-ordinator. ‘At BAM, we have been using BIM (Building Information Modelling) for some time. Every party works with one single 3D model. With BIM360 Field, we are going one stage further, and we prefer to call it Building Information Management. This is about collecting and managing all the data from the model in a way that makes it usable for multiple purposes.’ It means, for example, that carpenters can use the application to make their delivery reports. ‘At present, a separate program, SnagR, is used for this, but with BIM360 they now work in the same BIM model via the cloud.’

BAM Woningbouw joins other BAM companies who are exploiting this technology.

Project manager Klaas van der Zaag uses his iPad for the Summertime project in Amsterdam. Beside him Niels van der Werf.

Largest sea lock in the world

Rijkswaterstaat and the OpenIJ consortium have reached financial close for the contract to design, construct, finance and maintain a new sea lock at IJmuiden to improve the accessibility of the port of Amsterdam. The OpenIJ consortium comprises BAM-PGGM, VolkerWessels and DIF. The contract value is approximately €500 million. Construction will commence early 2016 with the new lock available for shipping at the end of 2019.

Underground puzzle is growing by the day

With two years more to go, the joint venture between BAM Nuttall and Taylor Woodrow reached a major milestone in the expansion of Victoria Station when construction of the new tunnels was completed. ‘The design and construction contract, worth €470 million, includes the construction of a new North ticket hall, enlarging the existing South ticket hall, adding nine new escalators and seven new lifts, improving access to the National Rail station and three hundred metres of new tunnels’, says BAM Nuttall’s project manager Steve Gray. Tunnel manager Ian Heath continues: ‘We started in 2010 with preparatory works. We used jet grouting to stabilise the ground and form a very weak concrete. It gave us a stable medium to tunnel through and excluded the groundwater from the area. This project was an early adopter of BIM where it was used initially in the tunneling and grouting works and resulted in us winning a number of awards. The challenge when working in close proximity to the existing station structure is a big one. BIM helps us to control our works and build the client’s confidence when working so close to his assets.’
BAM Nuttall 150 years

BAM Nuttall hosted an event at Drapers Hall, London, to celebrate its 150th anniversary together with customers, industry bodies and supply chain partners. Over two hundred people attended the event, which included a key note speech from broadcaster and former politician Michael Portillo. BAM Nuttall chief executive Steve Fox provided the official welcome while Alasdair Reisner, chief executive of BAM Construct UK’s plant business – Northamptonshire-based BAM Plant – has achieved its third successive year with Zero Harm (no reportable accidents). BAM Plant was engaged on many of its most significant jobs during that time, including the redevelopment of King’s Cross, Leeds Arena, and the National Indoor (now BarclayCard) Arena, Birmingham. Jason Reed, director BAM Plant: ‘Considering many BAM Plant staff are involved in high risk activities, such as fabricating, lifting operations, moving plant around, driving the length and breadth of the country, and working with electrics to name a few, this is a fantastic achievement and sends a message about how BAM does business.’

Irish Prime Minister Enda Kenny (formal title An Taoiseach) opened the Transitional Research Facility (contract value almost €16 million) at University College Hospital, Galway. BAM Contractors completed the four storey high building earlier this year. The construction process had significant challenges in terms of its proximity to the hospital in operation, to which the new building was tied into. The solution was weekly meetings to discuss upcoming works and the development of method statements and traffic management plans which were agreed and signed off by all parties prior to works commencing. Pictured from the left: Building manager Luke Gibbons, Prime Minister Enda Kenny and BAM Contractors’ CEO Theo Cullinane at the opening.

CECA introduced Michael Portillo. After a very engaging presentation, which covered the history of UK infrastructure, there was a very lively question and answer session. This event demonstrates the high regard that the industry has for the BAM brand and has helped in reinforcing the relationships between BAM Nuttall and the industry in general. 150 years of trading shows that BAM Nuttall is a sustainable business with a great future. Here’s to the next 150 years!
Kieron Meade leads BAM PPP

Kieron Meade has been appointed as managing director of BAM PPP, with effect from 1 October 2015. He takes over the role from Richard Fielder, who is retiring after fifteen years in charge of the PPP business.

Richard Fielder was a founding director of the BAM PPP company and took the helm when the business was in its infancy with only a handful of concessions under its control. Since that time he has overseen the company’s growth to a point where BAM PPP now has over forty concessions in its portfolio.

Kieron Meade has been with the Group for 24 years and has been a member of the management team at BAM PPP for approximately ten years and has been a director of BAM PPP since 2009. He is joined on the board by Patrick Snippe (finance director), who has been with BAM PPP for two years and with the Group for around seventeen years.

Kieron Meade has been appointed as managing director of BAM PPP, with effect from 1 October 2015. He takes over the role from Richard Fielder, who is retiring after fifteen years in charge of the PPP business.

For Kieron Meade (third from right) the Infra News’ European Infrastructure Finance Summit, recently held in Amsterdam, was one of the first conferences in which he participated as chief executive of BAM PPP.

The green thumb of T3

In Dar es Salaam, Tanzania, the BAM engineering team has found a sustainable and cost-effective solution to soft landscaping needs at the new terminal at Julius Nyerere International Airport.

Always up for a challenge, Tanzanian civil engineer Kelvin Manaseh jumped at the opportunity to develop and grow over 70,000 plants by using the cuttings of several mother plants. The idea came about when tendering for landscaping subcontractors proved difficult and expensive.

Native plants, fit for the climate

By taking over the landscaping and only using plants that are indigenous to the area, and thus not thwarted by the harsh climate, BAM is able to ensure their sustainability. Manaseh: ‘Sixty per cent of the soil is recycled from our construction work, further limiting our environmental footprint. Importantly, through this innovative thinking, the cost of the landscaping package has been reduced significantly.’ The next challenge for the landscaping team is to come up with an easy-to-use irrigation system, to keep the airport beautiful long after BAM has left! As Kelvin says, ‘I am up to the challenge’.

Recently BAM International has received the instruction to proceed with phase 2 of the design and construct contract of Terminal 3 with a contract value of over €100 million.
People

Up and coming talent

Linda van Leeuwen, concept developer and project engineer at BAM Woningbouw, has been voted the ‘Up and Coming Talent’ at the ‘Sustainable Construction Industry Woman Award 2015’ in the Netherlands. She is closely involved with the development and execution of the ‘Stroomversnelling’ initiative, where homes are renovated so that, on balance, they consume no energy. ‘Winning this prize is fantastic. I see it as an acknowledgement of my contribution to the development of the zero energy homes. That success is primarily due to collaboration and to the team involved’, she said.

Amazing feat

The new Artesis Plantijn Hogeschool school building in Antwerp, Belgium, is now in use. Working with Campus Spoor Noord, Interbuild has achieved an amazing feat of engineering. The main building, for example, hangs eccentrically from the roof construction, with a cantilever of no less than 27 metres. The decorative white concrete crosses have a constructive function. The building was designed by POLO Architects and Jaspers-Eyers Architects. The 36,700 m² complex contains spaces and facilities for 3,500 students on various study programmes, including computer science, nursing, and teacher training.

Imperceptible transformation

BAM Infra has recently modernised the N261 road in the Dutch province of Noord-Brabant. Provincial executive member Christophe van der Maat says: ‘BAM has done an excellent job. We had planned on it taking three years, but the project has been completed in eighteen months. With the grade separation and the beautiful nature bridge, the result is outstanding.’ There were also compliments from BAM’s COO Erik Bax. ‘I have nothing but praise for the teams that worked on this project. That also includes co-operation with the local environment, because that is crucial. From where I live, in Den Bosch, I regularly pass this site, and it was remarkable to see how quickly the traffic situation changed as the project progressed, but without the traffic itself being hindered.’

New contracts

Aberdeen-Inverness rail upgrade

BAM Nuttall has been appointed principal contractor for the £170 million upgrade of the Aberdeen-Inverness line in Scotland. The first phase is due for completion in 2019.

M11 Gorey to Enniscorthy

The National Roads Authority and a BAM PGGM Iridium consortium has reached financial close on the M11 Gorey to Enniscorthy PPP project in Ireland. The €400 million project (total investment) will involve the design, construction, financing, operation and maintenance of 31.4 kilometres of dual carriageway and the design, construction and financing of eight kilometres of single carriageway.

Hinkley Point C

The Kier BAM joint venture, which formed to meet the needs of the new nuclear market, and was chosen to provide the enabling works for Hinkley Point C new nuclear power station in the United Kingdom, has agreed a £203 million contract in final agreed form, in order to deliver the first phase of this key new nuclear project.

Hotel alongside Berlin Wall remains

BAM Deutschland has won a €15 million contract for the construction of a hotel in Berlin, Germany. The client is project development company Am Postbahnhof GmbH & Co. The hotel has been developed for MEININGER, an international chain of budget hotels. The seven to ten storey hotel will have 245 rooms and will be built alongside Berlin Wall remains. The project will be completed in mid-2017.

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