

New Year New Look!
Remember to live and
to work safely!



bam bulletin

local expertise, International experience

A31 Magherafelt Bypass Opens Ahead of Schedule

The A31 Magherafelt bypass built by BAM in joint venture with FP McCann opened ahead of schedule and will ease congestion and improve links in the Mid Ulster area to and from the M2.



The new bypass was constructed on a largely green field site to the east of Magherafelt between the A31 Money Mor Road at Coolshinnin Road Junction to the south of Magherafelt and the A6 Castledawson roundabout to the North.

It incorporates three new roundabouts at Moneymore Road, Balyronan Road and the Aughrim Road which provides access to the new road as well as a number of underbridges at Killyfaddy, Loves Road and Killyneese Road.

At the official opening on 6th October 2016, Minister Chris Hazzard said: "Delivering extensive improvement to the roads infrastructure such as this involves the co-operation and understanding of the local community. I acknowledge the impact that this scheme has had on residents, landowners, and businesses. However I am confident that everyone involved will see and immediately begin to benefit from this significant investment."

Construction begins on Belfast's New Mental Health Inpatient Facility

Northern Ireland Health Minister cuts first sod on major Belfast Health project



On December 8, 2016, Northern Ireland Health Minister, Michelle O'Neill, cut the first sod for a new purpose built Acute Mental Health Inpatient Unit at Belfast City Hospital.

The £30 million facility to be built by the GRAHAM-BAM Healthcare Partnership will provide inpatient services for acutely mentally ill adults within the Belfast Trust area and is expected to complete in late 2018. The new facility will have 74 acute mental health ensuite bedrooms including six psychiatric intensive care beds.

"This modern facility will offer high standards of treatment and evidence-based interventions for people experiencing an acute phase of mental illness

and will allow practical working with individuals and their families towards recovery in a specially designed therapeutic environment', said Minister O'Neill.

Belfast Trust Chief Executive, Dr Michael McBride, concurred: 'The unit will deliver a 21st century environment to support the treatment and care of severely mentally ill patients. The first purpose-built unit for acutely mentally ill adults within the Belfast area has been designed to ensure that the environment supports and improves every future inpatient's experience and recovery.'

Representing GRAHAM-BAM Healthcare Partnership, Peter Reavey, Director, said: 'GRAHAM-

BAM Healthcare Partnership is delighted to be working with the Belfast Health & Social Care Trust in the delivery of this impressive new facility, which will bring consolidation, modernisation and centralisation of acute mental health care inpatient services to the community of Greater Belfast.'

The GRAHAM-BAM Healthcare Partnership is currently delivering a £185 million for year framework at the Ulster Hospital.

A seven storey, 30,000 m² Inpatient Ward Block will open to patients in the new year and work has just begun on a new 31,000 m² Acute Services Block which is expected to complete in Summer 2019.

World First in achieving BSI Kitemark for BIM

The BAM team, receiving their BIM accreditation.



Mark Taylor, Digital Construction Manager at BAM Construct UK Ltd comments: 'BIM is a major driver for the digitisation of the construction industry, influencing its direction both in the UK and abroad. We were pleased to work with BSI and our peers to develop the certification, providing a clear assessment pathway to achieve the Kitemark. This will reassure clients and partners that we are working efficiently to the highest possible standards and that BIM processes are embedded within our systems.'

construction industry, BIM is a collaborative way of working that uses digital technologies to enable more efficient methods of design and construction, ultimately driving out waste and inefficiency.

The Kitemark has been developed in collaboration with industry stakeholders to ensure that they add value and address the key issues which will help the construction industry with BIM implementation.

Theo Cullinane, CEO, BAM Ireland explains: 'Achieving this Kitemark clearly demonstrates to our clients and greater supply chain that we have the capability and expertise to deliver projects to the highest recognised BIM standards. Gaining this is an important and significant recognition of the effort we have put into developing BAM's business model in Ireland.'

The BSI Kitemark is one of the most recognisable trust marks in existence today and demonstrates that each Kitemark approved product or service, has gone above and beyond the normal requirements to achieve the highest standards. For over a century, it has safeguarded consumers and helped businesses demonstrate clear commitment to excellence across everyday goods such as locks and windows, gas appliances, motorcycle helmets and smoke detectors.

In December 2016, BSI, the business standards company launched a new Kitemark for BIM (Building Information Modelling), helping construction businesses around the world prove their

capabilities in delivering projects at the design and construction phase. BAM Ireland was one of the first organisations worldwide to achieve the Kitemark for PAS 1192-2.

BIM is an increasingly important part of the global construction market place, with governments around the world starting to make it a condition of contact. Seen as a game-changer for the

Congratulations to VDC Team on winning Prestigious BIM Award

BAM was awarded the Operations and Asset Management Category: BIM to FM on Schools Bundle 4 at the Irish BIM Innovation Awards on Thursday, 10th November last.



The Irish BIM Innovation Awards, presented by CitA showcased the world-class talent of the Irish BIM industry. The judging panel, comprising international BIM experts, commended the nominees on the calibre of their submissions.

The following BIM specialists also presented at the pre-awards conference: Anne Kemp, Director of BIM Strategy and Development, Atkins; Dr Ing. Thomas Liebeck, Director of AEC3 Deutschland

GmbH; Dr Mohamad Kassem, Associate Professor, Northumbria University; Dominic Thasarathar, Industry Strategist at Autodesk; and Dr Russell Manning, Virtual Design and Construction Coordinator, Office of the Physical Plant, Pennsylvania State University.

Dr Alan Hore closed the conference speaking of the great progress the Irish Construction Industry is making on its BIM journey.

Corrib Onshore Gas Pipeline named '2016 Engineering Project of the Year'

BAM project wins out in flagship category at Engineers Ireland Excellence Awards 2016, which were held on 4th November last.



The Corrib's Onshore Gas Pipeline team, receiving their award. PJ Rudden (RPS), Jim Mulcair (Roadbridge), Michael Nolan (Transport Infrastructure Ireland – award sponsor), Ronan Deasy (Shell), Ciarán Butler (RPS), Pat McAndrew (BAM) and Caroline Spillane (Engineers Ireland). (Image: Engineers Ireland)

BAM Ireland's work on the Corrib Onshore Gas Pipeline has received the top accolade at the 2016 Engineers Ireland Annual Excellence Awards. The onshore pipeline, a key part of the €3.5bn Corrib project, constructed on behalf of Shell E&P (Ireland) Ltd, by the BAM/Wayss & Freytag Joint Venture, RPS Group Ltd and Roadbridge Ltd was named 'Engineering Project of the Year' for 2016 by a public vote following

shortlist selection by a panel of judges.

BAM CEO, Theo Cullinane said 'We are delighted that the Corrib Pipeline has been recognised by both members of the public and the judges at Engineers Ireland. A project of this size and complexity represents an extraordinary undertaking for all involved and we are extremely proud of the result.'

The Corrib Onshore Gas Pipeline Team are no strangers when it comes to awards. They were awarded the Green Business of the Year and overall Green Business Award at the 2016 Green Awards. International accolades include the International Tunnelling Association's (ITA) (Switzerland) Award for Tunnelling Through Sensitive Environments and the Pipeline Industry (UK) Project of the Year.

Part of Global A List programme to Combat Climate Change

BAM continues to be global leader in climate change.



(From left): Thomas Ruauudel, senior manager Sustainability Lead France, Accenture, Tom Blankendaal, project manager CSR, BAM, Nitesh Magdani, Group director of Sustainability, BAM and Ségolène Royal, French Minister of the Environment, Energy and the Sea at the CDP award ceremony.

BAM has been identified as a global leader for its actions and strategies in response to climate change and has been awarded

a position on the Climate A List by CDP, the international not-for-profit organisation that drives sustainable economies.

This list comprises 193 'A Listers' and has been produced at the request of 827 investors with assets of US\$100 trillion. Thousands of companies submit annual climate disclosures to CDP for independent assessment against its scoring methodology. BAM is among nine percent of corporations participating in CDP's climate change programme to be awarded a position on the Climate 'A List', in recognition of its actions to reduce emissions and mitigate climate change in the past reporting year.

BAM constantly measures the progress of its climate change strategy using internationally recognised KPIs to evaluate CO₂ emissions, energy

consumption and waste production with our performance audited by EY annually.

Recent initiatives that we have implemented in line with this strategy include:

- The adoption of Building Information Modelling or BIM which provides 3D models for efficient visualisation and analysis of proposed designs. This increases efficiency in the design and construction procedure, which drives sustainable project delivery.
- Collaboration with Galway-Mayo Institute of Technology on the development of a resource efficiency toolkit for the construction industry.

- Procurement of 100% green electricity for BAM offices and direct supplied construction sites.

Theo Cullinane, CEO of BAM Ireland welcomes this award and reiterates that the traditional model of extract-consume-dispose is not sustainable. He said that "sustainability is embedded in the way BAM operates whereby experienced teams collaborate with clients, supply chain and knowledge institutes to develop ideas that reduce costs sustainably and improve resource efficiency to achieve a net positive impact."

BAM Worldwide Safety Day 2016

Royal BAM Group strives to be one of the best companies in the construction sector and 'Best in Class' in safety.



Every year on worldwide BAM Safety Day employees from all over the world focus their attention on safety.

The theme of Worldwide BAM Safety Day 2016 was 'One team,

one mission'.

The key objective is to create awareness of the crucial role played by our employees and subcontractors and the importance of collaboration,

knowledge sharing, and learning from each other.

A big thank you to all who took part on October 11, helping to make BAM a safer and healthier place to work.

Double Accolade at 2016 Irish Construction Industry Awards

Kevin O'Driscoll and his team collecting their 'Industrial Project of the Year' for Dairygold.



BAM were presented with two significant accolades at the 2016 Irish Construction Industry Awards, which were announced at the recent awards ceremony in Dublin.

Congratulations to Pat Connolly,

Kevin O'Driscoll and their teams. Pat was presented with the Commercial Project of the Year Award for One Albert Quay. Kevin picked up the Industrial Project of the Year Award for Dairygold.

This is the third year that the awards have been running. The 2016 awards took place on June 2nd at the DoubleTree by Hilton Hotel Dublin in front of an audience of over 500 distinguished industry professionals.

Twenty three prestigious trophies were presented to the very best leaders, organisations and projects within the industry.

These awards recognise, encourage and celebrate original and innovative contractors, businesses, teams, consultants and projects that demonstrate excellence in the built environment.

Coffee Morning in support of St Brigid's Hospice

A big thank you to all at Head Office for generously supporting the recent coffee morning in aid of St Brigid's Hospice. €1,250 was raised for this very worthy cause.



The Friends of St Brigid's Hospice is a voluntary group and their principal objective is to benefit the community of County Kildare and West Wicklow, by assisting, promoting and supporting the aspirations and needs of St Brigid's Hospice.

They administer 100% of the monies raised through fundraising towards Hospice, Specialist Palliative care and Homecare for patients with incurable life threatening illness and their families.

- Their services include:
- Specialist Palliative Care

- Specialist equipment and other patient comforts
- Enhanced/ supplementary nursing cover for St. Brigid's Hospice
- Provide funding for up-skilling / training courses for palliative care nurses and ancillary care
- Patient transporter for the day care centre

Friends of St Brigid's Hospice, in partnership with the HSE have also raised funds to construct additional patient accommodation to the existing seven bed unit at The Curragh.

Leading the Way in Collaboration between Industry and Education

BAM is impacting positively on local communities through community and education initiatives.



Attendees at 'Seeing is Believing' event at AAMHU site, Galway

BAM is making a positive impact on local communities through its "Enhancing lives" programme. The programme, which is part of BAM's strategy for 2016 to 2020, aims to add real value to communities through partnership. We have recently collaborated with Galway-Mayo Institute of Technology (GMIT) on a number of important initiatives.

BAM is active across the entire spectrum of construction activity in Ireland, including Building, Civil Engineering,

Design and Build, Property, Rail, BIM, Facilities Management and M&E. Minimising harm to the environment and making a positive impact in the communities where they operate are core principles of BAM's corporate strategy.

The "Enhancing Lives" programme has been developed to deliver real change in the local community. It is about adding value through activities that would not happen without BAM's support. It is also about empowering people

through grass roots organisations, as well as those with a wide reach. The programme largely focuses around employment, training, education, community and charity engagement.

As part of this programme, BAM Ireland have taken part in a knowledge sharing and research collaboration with GMIT over the past three years. The two partners have recently collaborated for the STEM 'Seeing is believing' event, which was held on the BAM AAMHU site in Galway with attendees comprising secondary school construction studies teachers from the Galway and Clare areas.

Feedback from the event was extremely positive, with teachers

welcoming the opportunity to engage with the practical applications of construction. This has helped to bring a new dimension to the classroom for the teachers and their students.

The event was a very positive one for BAM Ireland too, as CEO Theo Cullinane observes, "Collaboration between industry and education is essential for securing a future skilled talent pool for the Irish construction industry and we are leading the way in this regard".

Following on from this event, BAM and GMIT held a workshop for 3rd year construction management students who are undertaking their industrial work placements in early 2017. Held at GMIT's Dublin Road campus, the workshop

provided students with an in depth knowledge of behavioural safety.

Following the workshop, the students were awarded with the BAM 'Beyond Zero' behavioural safety award. Beyond Zero is an initiative implemented by BAM with the aim of fostering a culture of responsible behaviour rather than forcing people to work safely.

The Beyond Zero programme creates a synergy with BAM's 'Making BAM a Safer Place' campaign with its core pillars of Respect, Intervene and Comply. Thanks to a dedicated team of Beyond Zero trainers, over 2,500 staff, including subcontractors have now attended the Beyond Zero workshops.



GMIT students at BAM workshop with BAM staff.

International Projects

BAM Ireland are currently working in partnership with BAM International on Phase 2 of the Hazza Bin Zayed Stadium Al Ain where our Irish colleague Quinton Allen is project manager.

Phase 1 also constructed by BAM, involved the construction of the stadium and phase 2 involves a mixed use development surrounding the stadium. Phase 2 is scheduled for completion in September 2017.

In 2016, Abu Dhabi Urban Planning Council awarded Hazza Bin Zayed Stadium in Al Ain, Abu Dhabi, an Estidama 2 Pearl rating. This makes it the first stadium in the Middle East and Gulf area to receive green certification. Estidama is the Arabic word for sustainability and the name of an initiative by the emirate of Abu Dhabi to promote more sustainable construction and

operation of buildings and communities. Estidama includes a green building rating system called the Pearl Building Rating System. It deals specifically with the built environment and its performance in relation to economic, environmental, cultural and social aspects and is comparable to international standards such as LEED or BREEAM. To achieve a rating of 2 Pearls, the required level for government-funded buildings, the BAM-built stadium had to obtain sixty credits in rated areas such as the building's performance in terms of energy, water savings, monitoring, waste management, procurement of sustainable

materials and sustainable planting.

Sustainability was a leading principle in the design of Hazza Bin Zayed Stadium, most notably in the palm bowl façade. The façade acts as a passive external shading device for the building in order to reflect the solar radiation and reduce the external heat gain of the building. As the stadium is located in a hot climatic region, the use of a palm bowl facade concept contributes to reduction in the overall energy needed for cooling the stadium. Further sustainability principles included the use of adhesives, sealants, paints and coatings that contain low levels of volatile organic



compounds, contributing to a more convenient indoor air environment. Furthermore, waste recycling during construction reached a level of 74%. During the

operational stage, the stadium has to date achieved 22% and 28% savings in the annual energy and internal water consumption, respectively.

KEY PERSONNEL

Theo Cullinane - CEO

MANAGEMENT:

John O'Sullivan - Civil

Tadhg Lucey - Marine/ International/ Safety

Ger Harrington - Building / Property

Lorna Cross - Finance Director

DIRECTORS:

Brian Cunningham

Perry Haughton

Denis McCarthy

Paul Roche

REGIONAL DIRECTORS

Michael Gillen

Ger Moloney

Luke Gibbons

Pat McAndrew

BAM FM - Micheál Keohane

BAM M&E - Ger Moloney

BAM PPP - Robert Young

BAM Property - Sean O'Brien

BAM Rail - John O'Sullivan

Mike Jones

Tadhg Lucey

Paul Brennan

Seamus Brady

Adrienne Bryan

Tim McCarthy

Tommy Flaherty

Andrew Kehoe

Kathy O'Leary

John Murphy

Jim Martin

Eoin Stack

Philip Desmond

Peter Walsh

Pat Murphy

- Business Development Director

- CSR Director

- BIM Manager

- Chief Estimator, Building

- HR & Payroll Manager

- ICT Manager

- Plant Manager

- Procurement Manager

- SHE Manager

- Chief Estimator, Civil

- Commercial

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