

# bam view

local expertise, International experience

 **bam**  
group Ireland



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## BAM installs 320 tonne rail and canal bridge

**BAM successfully lifted in a new structural steel bridge for Iarnród Éireann over the Dublin to Sligo railway line and the Royal Canal between Cabra and Finglas as part of the Ratoath Road Realignment and Over-bridge Project.**

The bridge weighed 320 tonnes and was raised into place with a 1,200 tonne capacity Gottwald AK912 strut jib crane, one of the largest cranes mobilised in Ireland for such an operation. 45 trucks transported the crane parts from Belgium and a team of six erected the crane over five days.

BAM's bridge installation crew, which included 20 operatives and engineering staff, managed

the complex operation safely and effectively, while a crowd of over 100 locals gathered at the canal bridge crossing to witness the historic bridge installation conducted at night.

The truss arch bridge was engineered using tubular sections for the arches and beams sections to support the deck and was assembled off-line locally before installation. It has a total length

of 70m and is 15m in width and spans the whole of the busy Dublin to Maynooth-Sligo Railway line, the Royal Canal and the canal towpath. When complete, it will accommodate the realigned Ratoath Road between Cabra and Ballyboggan Road in Finglas, enabling the closure of the manned level crossing over the railway line at Reilly's canal bridge and providing relief to peak traffic queues either side of the bridge.

## Longest tunnel in Ireland reaches its destination



**The longest tunnel ever built in Ireland has just been completed by BAM in County Mayo. The 4.9km tunnel, (which is 300m longer than Dublin's Port Tunnel) has been under construction since January 2013.**

The tunnel runs under Sruwaddacon Bay, a special area of conservation (SAC) and will house a key onshore section of the Corrib gas pipeline. The tunnel will be used to connect the previously laid 83km offshore pipeline from the Corrib Field to the Bellanaboy Bridge Gas Processing Terminal. Excavation of the Corrib tunnel started in January 2013 using a German designed tunnel boring machine (TBM) called 'Fionnuala'. The 140 metre long TBM and its crew have been working around the clock drilling through rock, sand and clay at depths of between 5.5m and 12m under Sruwaddacon Bay.

Construction of the tunnel was undertaken by a joint venture between BAM Civil and Wayss

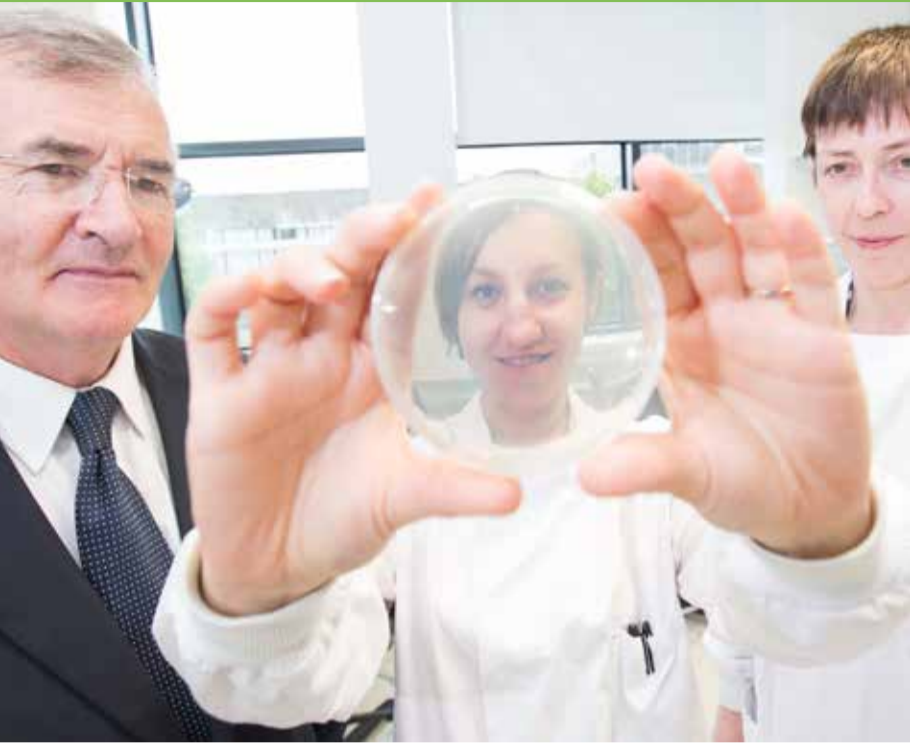
& Freytag, both operating companies of the Royal BAM Group. As the TBM advanced, over 25,000 concrete ring segments, which were pre-fabricated in Ireland were installed to line the tunnel.

Speaking after the TBM had broken through the final metres of rock at the Glengad landfill site in North Mayo, Michael Crothers, MD of Shell E&P Ireland, said, "On behalf of the Corrib partners Shell, Statoil and Vermilion, we congratulate the entire team on a remarkable achievement. The completion of the Corrib tunnel brings us a step closer to producing First Gas in 2015 and to improving security of supply for the Irish energy market."





# Minister Sherlock opens Cork IT Research Centre



Sean Sherlock TD, officially opened the Centre for Research in Advanced Therapeutic Engineering (CREATE) facility following its completion by BAM Group Ireland for Cork Institute of Technology.

The CREATE facility provides therapeutic solutions in the thematic areas of life sciences, biomedical engineering and photonics. CREATE is a state of the art working environment designed to facilitate multidisciplinary teams of scientists, engineers, students and external collaborators, to maximise the impact of their research and drive economic growth, innovation and job creation.

Speaking at the event, Theo Cullinane, BAM Group Ireland Chief Executive said: "BAM is delighted to complete this state of the art research facility for Cork Institute of Technology. The CREATE facility will meet the needs of students and staff in the area of advanced therapeutic engineering for many years to come. Delivering top quality projects safely and within deadline is a key priority for our team and we have the specialist skills and expertise to deliver world class science and research facilities."

**BAM Group Ireland** has an established track record of delivering flagship science & engineering, healthcare, education and PPP projects. The

company is currently developing the Clinical Research Facility and Translational Research Facility at NUI Galway, which will facilitate cutting-edge medical research side-by-side with patient care in University Hospital Galway. BAM has also commenced work on the Mercer Institute for Successful Ageing, a centre of excellence and research at St James's Hospital, Dublin.



# An Taoiseach officially opens Colaiste Ailigh PPP School, Letterkenny



An Taoiseach Enda Kenny TD went to Letterkenny to officially open Colaiste Ailigh and enjoyed a concert by the schools orchestra and choir.

Colaiste Ailigh, was designed and developed by BAM for the Department of Education and Skills and the NDFA, and was the first SB3 school to be constructed under the PPP Programme in November 2012.

The programme involved the design, build and finance of eight schools across Ireland, and

maintaining them for a 25 year period. This investment will be repaid by the Department of Education and Skills through annual unitary charges for the duration of the contract period.

BAM has been working very hard over the last few month to ensure that each school under SB3 PPP Scheme was complete

within budget and on time. The programme provides a total of 5,700 school places in the following locations: Letterkenny (Donegal), Tramore (Waterford), Doughiska (Galway), Ballinamore (Leitrim), Doon (Limerick), Athlone (Westmeath) and Gorey (Wexford) BAM is responsible for maintaining the schools under a 25 year service contract.

# Summers eve on the Quad

BAM was again delighted to sponsor "A Summer's Evening on the Quad" on 4th July last at University College Cork.



This fantastic outdoor event was hosted by Gerald Kean, celebrity solicitor. Headlining the show were Ronan Tynan from the Irish Tenors, with Emmet Cahill from Celtic Thunder and Linda Kenny (Cork Soprano) and the band of An Garda Síochána.

This wonderful evening of entertainment was in aid of three well deserving charities: Cope Foundation, Enable Ireland and Cork Association for Autism.

# BAM selected as Contractor for DIT's Research Hub at Grangegorman



The Grangegorman Development Authority (GDA) has selected BAM to construct the first new DIT building at the Grangegorman site.

The Greenway Hub will be home to the Environmental Health Sciences Institute, a national research platform dedicated to research focusing on the interface between the environment and health. It is based on collaboration between DIT, Dublin City Council, and the Health Service Executive.

The new building will also be home to incubation spaces for new start-up companies through the involvement of Enterprise Ireland. This is thanks to the involvement of Enterprise Ireland. The contract will take approximately 18 months to complete.





## BAM is proud sponsor of 2014 Irish Open in Fota

The Irish Open was a big success as record breaking crowds descended on Cork's Fota Island Resort and over 200 international media and spectators from as far afield as the USA and Japan basked in the glow of a heatwave.

With the world's golfing media spotlight firmly focused on Cork, top golfers from across the globe arrived to compete in the event and on Sunday Finland's Mikko Ilonen took home the title of Irish Open Champion 2014. The Finn carded a final round of 70 to finish 13 under par, one shot ahead of Italy's Edoardo Molinari, with Sweden's Kristoffer Broberg and English duo Danny Willett and Matthew Baldwin a further shot back in third place.

Northern Ireland's Graeme McDowell had high hopes of claiming his first professional victory on home soil in front of over 100,000 spectators throughout the four day event,

however, he had to settle for a closing 71 and a share of sixth place with Magnus A Carlsson, his first top 10 finish in 13 appearances at the event. Michael Hoey finished on -9 after closing on 66 while Gareth Maybin was a shot back after a closing 71. Pádraig Harrington finished on -8 after shooting 69 and Peter Lawrie ended the tournament on four under par after also carding a final round of 69.

BAM was an official sponsor to the 2014 Irish Open and our chief executive, Corkman Theo Cullinane, personally supported the effort to bring the Irish Open back to Fota.

The Irish Open also provided a unique opportunity to showcase all that Ireland has to offer to both the golf visitor and leisure traveller as a record breaking 105,000 visitors spilled through the gates at Fota Island Resort. Hotels, restaurants, pubs and entertainment venues in Cork city and environs also benefited significantly from the influx from domestic and international visitors attending the event.

*Pictured left to right: Theo Cullinane with Minister of State Michael Ring and Dutch Ambassador Paul Schellekens at the Irish Open.*

## Warm welcome for Eric Bax

Erik Bax joined the Executive Board of Royal BAM Group recently. Bax and BAM are already well acquainted.



When at CRH, an international market leader specialising in the production and distribution of

construction materials, Bax took part in the multi-stakeholder dialogue. This annual meeting

sees BAM employees exchange ideas on aspects of sustainability with clients, suppliers and subcontractors. 'I consider BAM to be among the most innovative and sustainable construction companies. BAM looks at the building process from a different perspective and is emphatically committed to cooperating with other parties in the chain', says Bax.

Bax values the non-nonsense mentality at BAM. "It is a down to earth flat organisation for which the business is key. It promotes enterprise and it also offers opportunities."

*Photographer: De Beeldredactie*

## BAM receives OSHAS 18001 Certification



BAM was one of 31 organisations receiving awards today from the Minister for Small Business, Mr John Perry T.D. at NSAI (National Standards Authority of Ireland).

BAM is delighted to achieve the world class OHSAS 18001 Certification in Occupational Health & Safety Management Systems.

As one of Ireland's longest established indigenous construction companies, health and safety is at the heart of everything we do. BAM is very

conscious of the importance of health and safety.

Through NSAI Certification we are committed, through strong leadership and engagement with the workforce to create an incident free environment where accidents are eliminated and health is protected.

## BAM supports Fight Against Suicide



The team from the Western Region of BAM met on the Galway Salthill Promenade to support the fight against Suicide.

Working in tandem with BAM's nationwide safety initiative, Beyond Zero, the staff and workers at BAM participated in the Pieta House Darkness Into Light 5km walk, not only to raise funds for this worthy cause but more importantly, to raise awareness amongst the men of the West.

Of the 10 people that die by suicide in Ireland every week,

8 of them are men. Working in an industry that is prominently male, BAM felt that it was time to take action and raise awareness of the issue.

Despite the rain, the walk was a major success and the atmosphere was amazing. 17 Galway Hurlers showed their support by walking with the BAM crew.

## BAM wins Contractor of the Year Award



Kevin O'Driscoll, Contracts Manager pictured at the recent Construction Industry Awards picking up the prestigious Contractor of the Year Award for BAM.



# BAM completes Aqaba New Port in Jordan



**BAM and its local joint venture partner MAG, have successfully completed the construction of the new port in Aqaba, Jordan.**

The new facility has been constructed for Aqaba Development Corporation (ADC) and is the second to form part of the country's economic master plan.

The two joint venture companies were responsible for the design and construction of four new berths (amounting to around 800m of quay wall), revetment works, a breakwater, marine services, pontoons and a slip way. The works also included land reclamation and dredging works, as well as the construction of two

intake pipes and one outfall pipe.

Last year, BAM completed the container terminal for ADC en APMT in Aqaba; it is also currently building Aqaba's new liquefied natural gas (LNG) terminal located 18km south of the city, also for ADC. The LNG terminal forms part of ADC's plan for developing Aqaba's energy ports. The Jordanian Government has tasked ADC to develop Jordan's energy intake capabilities to ensure a consistent supply of energy fuels such as oil, LNG and LPG.

## BAM confirmed as preferred tenderer for Schools PPP Programme Bundle 4

BAM has been selected by the Department of Education and Skills (DoES) and the National Development Finance Agency (NDFA) to deliver four new post primary schools in Counties Tipperary, Cork, Clare and Louth in Ireland subject to the satisfactory outcome of the planning process. The Schools PPP Programme Bundle 4 is the first accommodation-based project in the Irish Government's Stimulus Programme to reach Preferred Tenderer stage.

BAM will be responsible for the detailed design, build, finance, maintenance and operation of the four new post primary schools. The

schools will all be constructed on greenfield sites and will have an overall pupil capacity of 2,950.

The PPP project is being procured by means of the negotiated procedure. Project financing is subject to a preferred tenderer funding competition.

A financial close in Q4 2014 is being targeted with overall construction completion in early 2016, followed by a 25 year concession delivering both hard and soft facility management services. BAM's advisers included Quayle Munro (financial) and Arthur Cox (legal).



## Institute of Technology, Blanchardstown

**BAM has been actively involved in construction works at the Institute of Technology, Blanchardstown, near Dublin.**

'We have completed many mid-sized projects here, most recently an extension to the IT block, which includes four state of the art lecture theatres', says Pat Walsh, Contracts

Manager at BAM Specialist Works (shown on the right of the photo with Site Agent Chris Miller). 'We are currently building a sports pavilion. The two-storey facility will provide, a gymnasium, offices, and changing rooms for internal activities and the external synthetic sports fields. It is a green building that includes water harvesting. And while it will be used

by students, it will also be possible for sports clubs in the local community to rent it. The project, with a value of €1 million euros, will be completed shortly. The second phase, an extension to the accommodation, is due to start soon.'

## Successful start of Aqaba LNG project in Jordan

**BAM has successfully driven the first pile at the LNG jetty in Aqaba, Jordan.**



BAM Group Ireland, together with its sister company BAM International and its Jordanian JV partner MAG, was awarded the engineering, procurement and construction (EPC) of the LNG Jetty in Aqaba. BAM Infraconsult is involved in the design of the civil works.

The jetty will connect the existing gas fired power station, located 20 kms south of Aqaba's city centre, to a floating storage regasification unit (FSRU). Re-gasified natural gas from the FSRU will be transported to shore, where it will enter the Jordan Gas Transmission Pipeline (part of the

Arab Gas Pipeline that supplied gas to Jordan and its neighbours in the north).

Kerryman Howard McDonagh, Project Manager is delighted that it is proceeding as scheduled and confirmed the hand-over to Aqaba Development Corporation (ADC) is expected in April 2015.

The scope of work for the new LNG jetty includes a 100 metres trestle on steel piles, a concrete off-loading platform of 20 x 20 metres, four mooring dolphins and two breasting dolphins. The project

further comprises a 700 metre long gas pipeline to the shore tie-in point, as well as associated control equipment and instrumentation. The development of the terminal area, including roads and two buildings are also part of the contract. The sub structure works for the terminal building are nearing completion.

This is the third project for BAM in Aqaba. The joint venture has already successfully completed the New Port in Aqaba for the same client earlier this year and the extension of the Container Terminal for APMT and ADC in 2013.



### KEY PERSONNEL

Theo Cullinane, **CEO**  
Brian Fitzpatrick

**BAM Building**  
Ger Harrington  
Perry Haughton  
Denis McCarthy  
Paul Roche

**Regional Directors**  
Michael Gillen  
Ger Moloney

**BAM Civil**  
Brian Cunningham  
Tadhg Lucey  
Paudie Murphy  
John O'Sullivan

**Regional Director**  
Pat Nestor

**BAM Property**  
Ronan Ryan

**BAM FM**  
Denis McCarthy  
Ger Harrington

Business Development Director – Mike Jones  
CSR Director – Tadhg Lucey  
Commercial Director – Jim Martin  
Building Manager, Western Region – Luke Gibbons  
Chief Estimator, Civil – John Murphy  
Chief Estimator, Building – Seamus Brady  
SHE Manager – Kathy O'Leary  
HR Manager – Adrienne Bryan  
ICT Manager – Tim McCarthy  
Plant Manager – Tommy Flaherty

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