

# bam view

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## BAM Charity Cycle Challenge raises funds for Rett Syndrome Ireland



Staff at BAM recently completed our first ever Charity Cycle Challenge to support a very deserving charity, Rett Syndrome Ireland. The initiative proved to be a rewarding and worthwhile experience for all concerned and an important element of our 2013 CSR campaign.

The 2013 BAM Charity Cycle Challenge took place over two days (27th and 28th June) from BAM's Little Island office in Cork to Head Office in Kill, Co. Kildare. The fundraising proceeds were donated to Rett Syndrome Ireland. Former Munster and Ireland star Ronan O'Gara and Cork hurling legend Jimmy Barry Murphy were at the start line in Cork to send the cyclists on their long journey.

The cyclists passed through several counties including Waterford, Tipperary, Kilkenny and Carlow before finishing off at Kill. Over 100 cyclists covered

250 kilometres, with a well-earned stop-over in Kilkenny. Participants completed distances ranging from 50 kilometres upwards with 40 participants completing the full distance. A 'Fun-Run' and 'Mini-Cycle' from Naas to Kill also took place. The Charity Cycle Challenge also featured a barbeque and family fun day at Kill to mark the occasion with children's games and demonstrations of BAM's machinery.

The BAM team presented a cheque for €40,000 to Andrew Kehoe, Chairperson of Rett Syndrome Ireland. Andrew's

daughter, Sarah, received a framed poem composed by Pat Whelan, BAM Buyer, written to commemorate the event.

Speaking at the event, Theo Cullinane, Chief Executive, BAM Contractors, congratulated all the participants and organisers and said that BAM was delighted to support such a worthy cause.



Rett Syndrome is a rare neurodevelopmental disorder resulting in physical and intellectual disability. Rett Syndrome Ireland is celebrating its 10 year anniversary this year and continues to search for a cure for the condition.



## PPP Schools progressing well

Following the financial close for the Schools Bundle 3 PPP project, BAM commenced construction on eight schools as follows:

- **Athlone, Co Westmeath** – 1,000 pupil mixed school, replacement of existing school on site
- **Ballinamore, Co Sligo** – 400 pupils mixed school, amalgamation of 2 existing schools, green field site
- **Doon, Co Limerick** – 850 pupil mixed school, amalgamation of 2 existing schools, green field site
- **Doughiska, Co Galway** – a new secondary school (650 pupil, mixed) and a new primary school (450 pupil, mixed) on a shared site.

- **Gorey, Co Wexford** – new school, 1,000 mixed. Currently in temporary location (junior classes)
- **Letterkenny, Co Donegal** – Gaelcholaiste, relocation of an existing school, 350 mixed
- **Tramore, Co Waterford** – 1,000 mixed, amalgamation of 2 existing schools

The Structural Frame is now complete on all schools with roof steel and roof coverings now underway. All sites are benefiting from the good weather spell with Sports Pitches, services and external works all on programme. Overall all schools are currently on programme with the first of the eight schools being handed over for Service Commencement in Letterkenny on the 7th November.



# Shortlist for Chambers Ireland's Awards Announced



Chambers Ireland has announced the shortlist for the 2013 Corporate Social Responsibility Awards. Celebrating their tenth year, the Awards continue to go from strength to strength with a record number of applications received this year.

The Awards are partnered with Business in the Community Ireland, sponsored by BAM Contractors and run in association with the Department of Environment, Community and Local Government.

Announcing the shortlist, Ian Talbot, Chambers Ireland Chief Executive said, "Every year, we are hugely impressed by the quality

of the entries to our CSR awards and this year is no exception. The 2013 shortlist shows that more and more companies are committing to the values of corporate social responsibility as a core business process. I warmly congratulate all of the shortlisted entrants."

Minister for the Environment, Community and Local

Government, Phil Hogan T.D. continued, "It is great to see a record number of companies entering these awards. It is a clear indication that Irish businesses are taking their responsibilities to the environment and their local communities seriously. I am delighted that my Department is sponsoring these awards for the tenth year. I have no doubt that all the entries, but especially those shortlisted, are of a similar high standard to previous years."

Tina Roche, CEO of Business in the Community Ireland added, "We all want to put Ireland's reputation as a place to do responsible business at the top of our agendas. As the network for responsible business we know this is crucial for competitiveness, inward investment and attracting key talent. Consumers, media and our communities want ethical, sustainable companies to be the standard in Ireland – this shortlist shows that those standards are achievable. Congratulations to all on the shortlist."

Theo Cullinane, CEO of BAM Contractors concluded "It's encouraging to see so many

diverse organisations, with such a strong focus on operating in an ethical and responsible manner, involved in the Awards. As one of Ireland's longest established indigenous construction companies, BAM is very conscious of the importance of looking after the environment, communities and people who are affected by our business and operations. I would like to wish the shortlisted organisations the very best of luck for the CSR Awards and I congratulate them on their impressive achievements to date."

Awards will be presented for Excellence in Community (sub-divided into Partnership with Charity, Community Programme and Volunteering), Environment, Marketplace, Workplace, Communication, International CSR and CSR by an SME. One company will also be presented with the Outstanding Achievement in CSR Award at the ceremony in the Burlington Hotel, Dublin on Thursday 12th September.

## BAM CM wins silver at CIOB CMYA Awards 2013



BAM Contracts Manager Aidan O'Connell wins Silver at Construction Manager of Year Awards for the New Engineering Building at NUI Galway.

2013 marks the 51st Anniversary of the establishment of the CIOB in Ireland and the 18th year of this prestigious competition. The CMYA recognises the ability of managers in the construction industry to deliver projects on time, within budget and to very demanding standards, celebrating excellence of construction management.



Al Ain, UAE

## Topping out in style

Workers in Al Ain, UAE, recently installed the last giant, prefabricated roof truss of the 25,000-seat stadium. Time for celebrations in style. The first steel roof truss was lifted into place in February. Recently the last one was carefully manoeuvred into position and hoisted to its perch at a height of 52 metres. The total number is now 62, each weighing as much as a filled concrete truck.

### Two parties

Traditionally, 'topping out' is a time for celebration. The workers had their topping out celebration 1st March 2013.

In May, a more official ceremony was held including senior BAM staff from the region and from

head office, as well as local dignitaries. Project Director, Maged Fares was in charge of organising the day, and he made it a fantastic event.

First on the menu was a ground breaking ceremony where the dignitaries broke the ground of the new pitch with golden painted shovels.

Next, Maged got heart rates pumping by challenging the VIPs to a penalty shoot-out.

Finally, a cake in BAM colours was delivered onto the pitch. In keeping with the team spirit on this stadium project, the first piece of the cake was cut by AAFAQ CEO Karim N. Hassan together with BAM's Chairman of the Board, Nico de Vries.

### Official name

The stadium's official name is to be Hazza Bin Zayed stadium. It will be the new home ground for the famous Al Ain Football Club, one of the most successful clubs in the United Arab Emirates. The stadium and the mixed use development will provide a central location for sports and football enthusiasts, families, friends and business to come together. BAM started the project in mid-2012 and is still well on track for scheduled completion in the fourth quarter of 2013. A remarkably fast achievement!

## A Summer's Evening on the Quad 2013

The dulcet tones of Anthony Kearns and Cara O'Sullivan drifted across the UCC Quad on 21 June.

This annual UCC outdoor concert supports two deserving charities Cork Simon and Cork Penny Dinners. This UCC Quad event is organised by UCC General Services and Community Policing and is sponsored by BAM Contractors, as well as Washington Village, the River Lee Hotel and Heineken.

Guests were entertained by one of Cork's favourite sons, solicitor Gerald Kean, who was MC on the night. Now in its 8th year, A Summer's Evening on the Quad has raised over €300,000 for local charities. What started as a fledgling event in 2006 has grown into a mammoth fixture on the UCC and Cork musical calendar. Over the years the event has attracted over 12,000 people, who recognise the lifeline such charities provide to Irish society.

Cork born soprano Cara O'Sullivan raised the proverbial rafters with her beautiful singing

voice and Wexford native Anthony Kearns was amazing. The Band of An Garda Síochána gave a stellar performance as usual.

Theo Cullinane CEO BAM Contractors said: "BAM is thrilled to be part of this concert which epitomises the generosity of the people of Cork - organisers, performers and guests coming together in support of those less fortunate".



# Under pressure

It's the title of Queen and David Bowie's 1981 hit single, but also an apt description of life and work on the Aqaba New Port project. Project Engineer Paolo Gatta gives an impression of one week 'Under pressure'.

**Saturday.** A normal working day in Aqaba and the weekend seems already far away. The combiwall is complete even though some of the installed piles need to be driven deeper as they encountered hard material. Lunch by a local sandwich shop, responding to some mails and it's time to get back home again. It's very hot and a dip in the pool is all you want and need.

**Sunday again.** Our joint venture partner MAG is pouring the last section of the slab before BAM can start the marine works that will complete the 160-metre slipway that will be able to shore 1000-tonne boats. Some of us are already looking forward to tonight's ACT-ANP soccer game; they will be fierce rivals on the field but colleagues again in the morning.

**Monday.** We're completing the capping beam of the marine service harbour together with the breakwater head. Tonight some of us will gather at the local bar for the famous Monday Club, chaired by Steve Robb.

**Tuesday,** and we're halfway through the week. We're preparing for the dredger that will arrive by the end of May to remove half a million cubic

metres. Tuesday nights are usually quiet; time to go out for dinner and enjoy the nice weather.

**Wednesday.** Early in the morning, the HDPE intake pipeline is almost complete; Henge Goosen is making the final connections before the final pieces arrive from Dubai. Tonight, some of the staff will go to the local gym. Invitations to the swimming and snorkelling club are going round from founding members Steve Robb and Simon Vilarasau.

**Thursday.** Morning temperatures of 30°C. The repair yard at the top of the slipway is cast. Moulds are being prepared for the casting of the precast skirts to be installed on the combiwall. Construction of the revetments of the MSA (Marine Service Harbour) is ongoing.

**Finally, Friday.** Now the options are many and choices are painful: Do I stay at home on the balcony in the sun? Do I go to the beach club or maybe to the pool? Or will I take a walk in town, a boat trip, or go to one of the hotels for lunch? Or I could even leave the city and visit nearby Petra or Wadi Rum. These are the type of choices that make me feel 'Under Pressure'.



## Sharing the fun:

Colleagues from BAM's two Aqaba projects like to team up in their spare time as well. Like these brave runners who took part in the Dead-2-Red race on 14 March. This relay race is a major and fun challenge for all runners: the 244-kilometre route leads all the way from the Dead Sea to the Red Sea. A team of ten BAM colleagues finished this race in just over 21 hours.

## BAM getting ready for SEPA

**The Single Euro Payments Area (or SEPA for short) is a European Union regulation that will simplify financial transactions and make doing business easier.**

SEPA will standardise euro electronic payments across Europe. In total, there are 32 countries in the SEPA area. These are the existing 27 EU member states of the European Union, together with Iceland, Lichtenstein, Monaco, Norway and Switzerland.

SEPA comes into full effect on 1 February 2014, changing the way euro electronic payments are processed across Europe. It will mean that you can make and receive payments seamlessly, collect a direct debit on any euro account or make a credit transfer to any euro account within SEPA.

SEPA allows:

- Use of IBAN for domestic payments
- XML messaging with banks
- New Direct Debit facilities

The BAM group has set its deadline for SEPA compliance for December 1st, 2013. BAM set up the SEPA@BAM programme in order to facilitate, steer, monitor and control the SEPA readiness and are on target for a smooth operation in the New Year.



## Minister Leo Varadkar turns sod on N7 and N11 PPP road projects



**On Thurs 6th June, the Minister for Transport, Tourism & Sport Leo Varadkar TD turned the sod on the N7 Newland's Cross and N11 road network in Wicklow and Wexford.**

BAM was awarded the public private partnership (PPP) contract

by the National Roads Authority, acting as procuring agent for the Department of Transport, for the design, build, finance, operation and maintenance of the new N7 Newlands Cross free-flow junction and a major element of the N11 road network in Wicklow and Wexford.

The N7 works comprise the replacement of the existing signalised junction at Newlands Cross with a grade separated junction in which the N7 will be carried over the Belgard Road via a new flyover. This project will facilitate nationwide travel from the North to the South of Ireland without any traffic lights.

The PPP also includes the construction of a 16 km dual carriageway on the N11 between the north end of the Arklow Bypass and the southern end of the Ashford Bypass and the construction of two new grade separated interchanges at the Beehive junction and at Jack White's cross-roads. The N11 works also include the construction of a service area at Ballyellin on the Gorey Bypass approximately 3km south of the Arklow South Interchange. The service area includes the construction of an amenity building and fuelling area on the west side of the motorway along with new access ramps and a new bridge over the M11.

Speaking at the sod turning, Theo Cullinane, Chief Executive, BAM said: "BAM is delighted to be the first single entity to be awarded a PPP contract here in Ireland and to be entrusted with the delivery of these important stretches of motorway and service areas. These stretches of road will in effect allow traffic, in the case of the N7 to "free flow" between Cork and Belfast and in the case of the N11 will greatly improve the safety and reliability for those traveling between Gorey and Rathnew.

"Today we are turning the sod on the fourth PPP motorway project that BAM has been awarded and this brings to almost 700 lane kilometers of national primary route under BAM management. We are, again pleased to be investing equity into the Irish PPP market and, to have been able to partner with the Department of Transport, Tourism and Sport, the NRA and our senior lenders Bank of Ireland, the European Investment Bank and the National Pension Reserve Fund to develop

a financing solution for this the N7/N11 PPP project.

"The PPP model has a key role to play in the delivery of Ireland's health, education and transport infrastructure and given the current fiscal constraints on Government finances, this model is clearly the way forward, if we are to ensure continued investment in this infrastructure. With these labour intensive projects, BAM will continue to be a significant local employer and will endeavour to source materials and subcontractor packages in the local supply chain where possible. Initially, up to 1,000 jobs will be created during the construction phase with up to 50 staff employed during the 30 year Operate & Maintain contract.

"These projects will help to ensure that the highly skilled design, project finance, project management and construction resources that were developed in Ireland over the past 20 years will remain in this country."

# BAM leads BIM



**BAM Contractors has recognised the valuable importance of adapting the BIM process. The challenging environment that construction now is means that companies who want to survive and grow need to be innovative and increase efficiency. Not since drawing boards were replaced by AutoCAD or the introduction of electronic mail has there being such a cultural revolution to the complete construction process. Construction professionals have recognised the need for change and at BAM we are no different.**

Building Information Modelling, or BIM for short, is the Cultural Revolution the construction sector has been waiting for. To improve the descriptive narrative of the acronym BIM it is best to describe the BIM process as building information management.

A BIM is a digital representation of both physical and functional characteristics of a facility. This

shared knowledge resource provides information about a facility which can be used as a reliable base for future decisions made relating to this facility throughout its life-cycle. Simply, BIM has revolutionised the drawing process by creating new work-flows that are fundamentally changing the way projects are designed, constructed, planned, analysed and built.

The BIM design process demands front-loading the design on a project which ultimately reduces the cost impact of any necessary or desired design changes. Traditional methods usually mean the design process doesn't peak until mid-way during a project therefore allowing a significant cost impact with many design changes. The benefits of an efficient design process save money, avoids conflict and generally keeps the peace.

The BIM process involves producing an initial 3D geometric model; adding time scheduling and design data to it; linking it to cost data; producing analysis simulations; further enriching the model with as-installed information; and finally producing a detailed FM data source for the new facility. Throughout the build process the federated model can be used for multiple activities such as traffic management simulations, temporary works, health & safety, snagging, commissioning, etc. There is no end to the limits this valuable information source can be used for. Collaboration between the many different stakeholders is the key to BIM success.

Much of BAM's business is now cradle to grave solutions with more PPP and Design & Build contracts being won. Facilities management and MEP installation are growing areas of our current business. Strategically increasing our share of the PPP and D&B markets is paramount to our improved growth and success. BAM has recognised that clients want value. BIM processes allow BAM to offer this from pre-design stage right through to managing the facility. Value engineering solutions, cost saving options, programme certainty, logistics certainty can all be simulated and proved using BIM technology. The BIM way is the key to modern efficiency which has been absent from our industry.

Much of what has been described above refers to construction

based technology. ICT is important but it comes second to the importance of people. BIM is often referred to as 80% people and 20% technology. BAM have invested heavily in their staff in recent times by developing BIM capable personnel. BAM employees hold positions such as BIM Technicians, BIM Managers and BIM Coordinators. We employ Revit and Navisworks specialists and have a troubleshooting desk in head office which provides assistance to our design consultants on certain projects with technical issues.

BAM's strategic plan for the coming years has BIM embedded within it. BIM is the future and BAM are committed to full BIM adoption across all disciplines of the business. Watch this space...



## BAM Healthcare starts work at Ulster Hospital

Graham-BAM Healthcare has commenced work on Phase B2 of the redevelopment plan to provide a new generic ward block:

Works include:

- Inpatient accommodation – 12 wards, each with 24 single en-suite bedrooms
- 4 Day Surgery Theatre Suites
- 3 Endoscopy Suites
- Cardiac Catheterisation Suite
- Pharmacy
- Redevelopment of the Critical Care Unit
- Communication links to existing hospital buildings

This is our first building project in Northern Ireland. The total footprint of this phase of the development is 30,000 m<sup>2</sup> internal floor area including communication and plant. The

duration of the contract will be 38 months from May 2013 at a cost of GB£80m.

The work is part of an overall framework agreement with a total budget allocation of £230m over 4 years. Further works include the Acute services Block valued at GB£80m, a new Laundry, Maternity Extension and Psychiatric Unit.

The Client has used Performance Related Partnering (PRP) as the methodology for procuring the Project. Under this process the Graham-BAM Healthcare Partnership (GBHP) will be

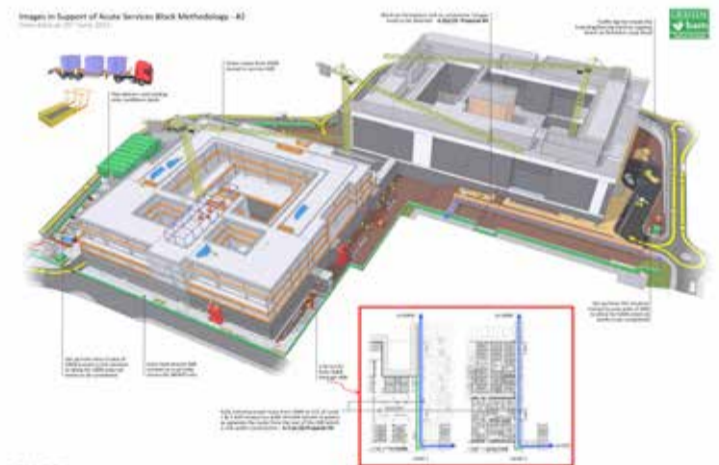
appointed as preferred bidder for future projects subject to good performance.

This partnering arrangement requires commitment and sustained involvement on the part of GBHP and the Health Estates Investment Group for the mutual benefit of all concerned.

BAM have brought innovation and new ideas which were welcomed by the Health Trust based on our growing experience in ROI and with support from BAM Construct (UK).

The building will be BREEAM Excellent and has been entered for the Considerate Contractors Scheme. We have "all Island"

procurement of sub-contractors and benefit from BAM European specialists in Theatres and Lighting.



### KEY PERSONNEL

Theo Cullinane, **CEO**  
Leo Harmon, **Main Board Director**

**BAM Building**  
(in addition to Main Board Directors)

Brian Fitzpatrick  
Ger Harrington  
Perry Haughton  
Denis McCarthy  
Paul Roche

**Regional Directors**  
Michael Gillen  
Ger Moloney

**BAM Civil**  
(in addition to Main Board Directors)

Brian Cunningham  
Brian Fitzpatrick  
Tadhg Lucey  
Paudie Murphy  
John O'Sullivan

**Regional Director**  
Pat Nestor

**BAM Property**  
(in addition to Main Board Directors)

Brian Fitzpatrick  
Tom Galvin

Finance Director – Brian Fitzpatrick  
Business Development Director – Mike Jones  
Commercial Director – Jim Martin  
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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