



CSR at the heart of everything we do

Sustainability Report 2018



ISO 26000 | Self declaration
Social Responsibility

What's inside this year's report

Our Sustainability Report shows how BAM Ireland continues to create sustainable environments that enhance people's lives.

Message from our CEO	3
Our Business	4
Mission, Vision & Strategy	5
Sustainable Value Creation	6



Mullingar Courthouse Opening (Courts Bundle PPP)

Focussing on seven UN Sustainable Development Goals

Good Health & Well-Being 8

Quality Education 10

Decent Work & Economic Growth 12

Industry, Innovation & Infrastructure 14

Sustainable Cities & Communities 16

Responsible Consumption & Production 18

Climate Action 20

Accreditation Benchmarks 22

Our People 23

A message from Theo Cullinane, our CEO



Theo Cullinane - CEO, BAM Ireland

Generating sustainable value for all our stakeholders

The construction industry provides value to millions of people but uses many resources in the process. As a result, stakeholders such as regulators, communities and increasingly customers, demand a proactive approach to sustainable developments.

Our purpose is to create sustainable environments that enhance people's lives. Sustainable in terms of the quality of experience for the hundreds of thousands of people touched by or projects.

BAM wants to strengthen its position as a market leader in sustainability and has a long-term sustainability ambition to be a business that will have an overall positive impact by 2050.

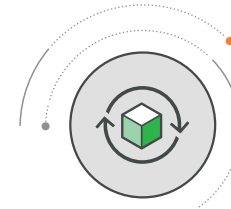
BAM's strategy is aligned with the UN-adopted Sustainable Development Goals (SDGs): Seventeen goals that serve as a roadmap for good growth by 2030.

BAM has identified Seven SDGs that our business impacts and our 2050 Net Positive Strategy focuses on these.

Our three Net Positive Themes



Climate positive
Reducing our emissions to zero, and providing products and services which reduce the emissions of others



Resource positive
Zero waste, preserving natural capital over the lifecycle of the built environment



People positive
Enhancing lives by making a difference to the people we come into contact with

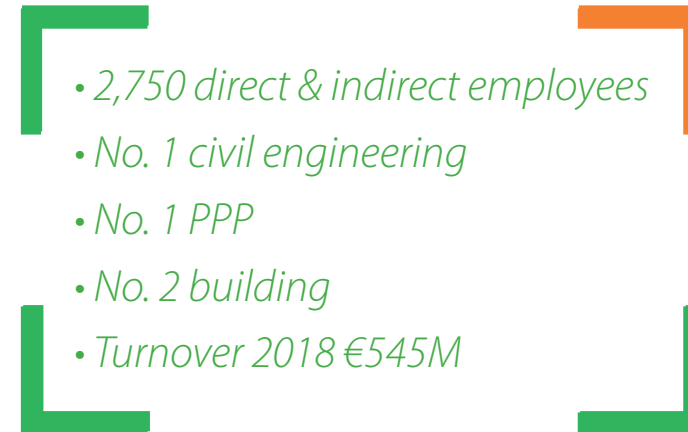
Our Business

Operating successfully for over 60 years, the bedrock of BAM's success has always been an understanding of our clients' needs and a willingness to deliver innovative solutions that ensure cost savings and meet and surpass their environmental requirements. Our track record for delivering large and small scale projects on budget and ahead of schedule has enabled us to become one of Ireland's largest and strongest construction businesses.

BAM has collaborated with government bodies and major national and international clients and consultants to produce landmark projects that support the development of Ireland and its economy.

We are passionate about excellence in design and construction. We are value challengers, problem solvers and innovators. With loyal staff, a strong supply chain and a client focused, 'no surprises' approach, we deliver best in class projects.

We are wholly owned subsidiary of Royal BAM Group of the Netherlands, which has a turnover of €7.2 Billion and employs over 20,000 people worldwide.



We offer the full spectrum of construction activities

Civil: transportation, structures, marine, water & wastewater and energy Building, both public & private sectors, FDI facilities, including M&E

Fit-out: complex and phased works in live environments

Property development: (own developments in Cork and Dublin)

PPP: public facilities and infrastructure

FM & OM: public & private buildings and infrastructure

Rail: heavy rail, light rail metro & OHLE

Housing: providing residential space using modular & prefabricated volumetric construction



Mission, Vision & Strategy

It is BAM's Mission to build sustainable environments that enhance people's lives by enabling the right people to capitalise on state-of-the-art knowledge, resources and digital technologies, providing solutions across the total construction life cycle for BAM's clients and generating maximum value for its stakeholders

Strategy

We are building the present, creating the future

Our strategy is based on three pillars:

1. Focusing on the project portfolio – Doing things better - Using either scale or differentiation to win project will be the main driver of performance improvement.
2. Shaping the business portfolio – Doing better things – by streamlining propositions in selected market segments and developing new solutions for clients.
3. Creating the future portfolio – Doing new things – Integrating digital construction solutions in construction process and accelerating innovation solutions for clients.

Values

Reaching BAM's strategic goals will be supported by 4 values;

- **Open collaboration**
(I share, so we all gain)
- **Proactive ownership**
(I take initiative to prevent, rather than fix)
- **Scalable learning**
(I ask, listen and support, so that we learn collectively)
- **Predictable performance**
(I deliver what I promise)



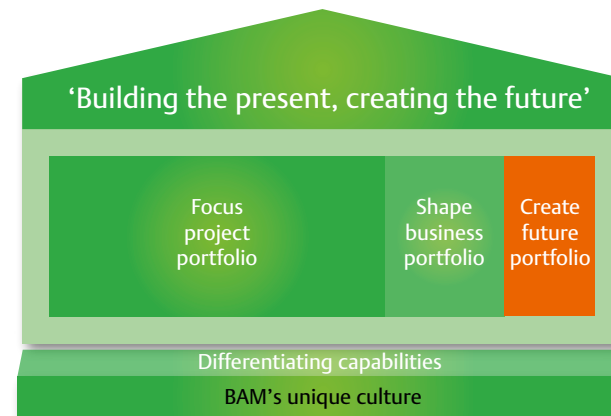
Net Positive

BAM are working towards having a net positive impact on climate change, material resources and people by 2050.

Our approach to sustainability delivers benefits to clients and the communities in which we work. It is underpinned by a strong focus on innovation and solution-orientated approach to delivering BAM's projects and exceeding expectations.

Vision

It's BAM's vision that by 2020 we will be recognised as one of Europe's leading sustainable and innovative construction businesses, with healthy profits and a strong balance sheet, active across the total construction lifecycle in its European home markets and in selected growing economies around the world.



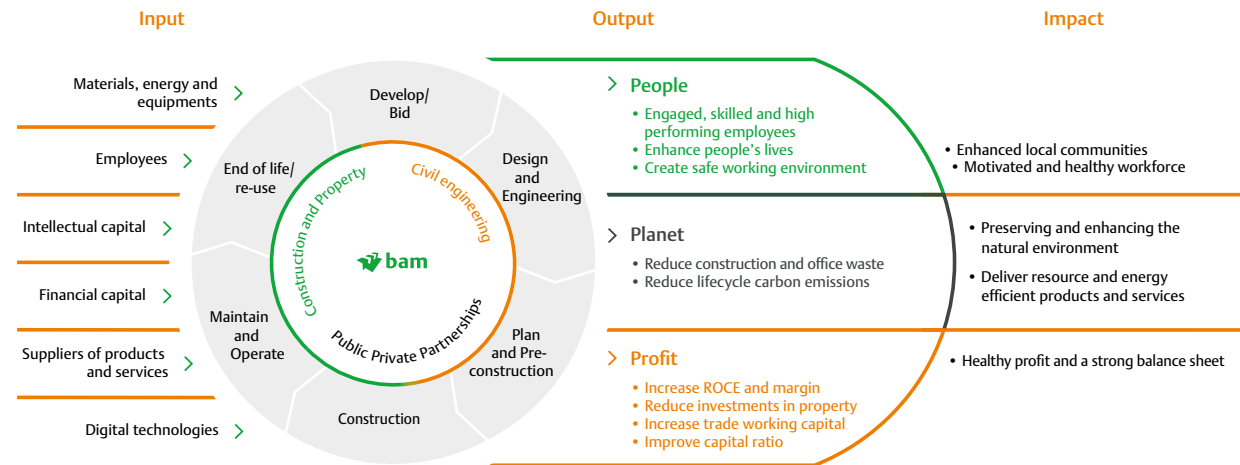
Strategy - 2016 - 2020

Sustainable Value Creation

Our sustainability strategy encompasses three strands; **Climate, Resource** and **People** and is focused on creating more value for our clients and key stakeholders in the long term. BAM's ultimate goal is to have a net positive impact, so we can deliver more value for our clients. By collaborating with our supply chain, encouraging innovative thinking through our products, and realising the benefits of circular economic business models, we aim to have a net positive impact in the long term (towards 2050).

The image on the right is based on the International Integrated Reporting Councils Integrated Reporting <IR> framework and gives an overview of how BAM creates value.

BAM uses valuable resources in its primary process and through its activities the Group creates output that generates value for stakeholders and society. The cycle of integrated thinking and reporting supports financial and sustainability results.



People: creating social value

BAM's approach to sustainability delivers benefits to clients and communities where we work. BAM aims to create a safe and more sustainable built environment. Within communities BAM wants to positively enhance the lives of more than one million people by 2020 by creating skills and learning opportunities and through voluntary and charitable work. BAM continues to target talent to maintain its position as the best company to work for.

Planet: creating environmental value

BAM wants to mitigate the impact of its operations on climate change and resource consumption. The company is working towards having a net positive impact by reducing carbon emissions and waste intensity, as well as adopting circular business principles and implementing innovative solutions. BAM will work in close collaboration with its supply chain in achieving common goals and addressing global environmental challenges.

Profit: creating financial value

Shareholders and financial institutions provide funds that BAM invests in its business lines, as well as in PPP, with a divestment strategy for a part of BAM's current land bank and property investments. BAM uses free working capital from the (non-)residential construction and civil engineering activities in selected property and PPP projects. These projects contribute to BAM's target of 2 to 4% range margin.

BAM Strategy & UN Sustainable Development Goals

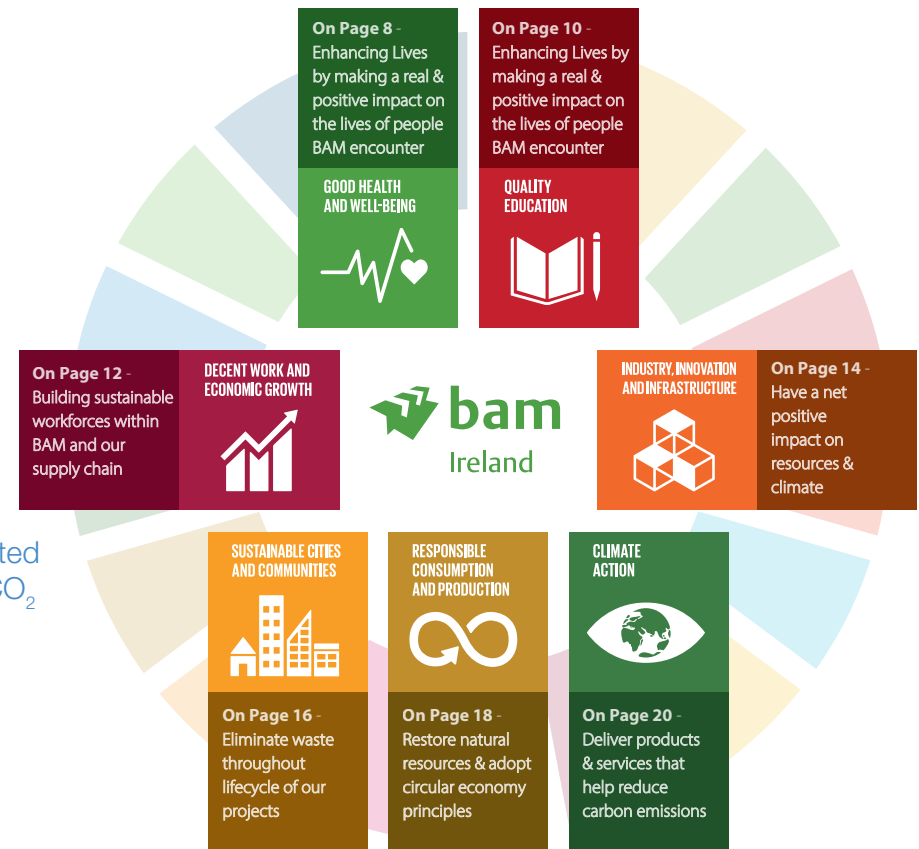
Alignment of BAM's strategy with Sustainable Development Goals.

BAM appreciates the impact of aligning our sustainability strategy with the UN adopted Sustainable Development Goals (SDGs). There are a total of 17 goals which serve as a blueprint for sustainable growth by 2030.



We strive to make a positive contribution to SEVEN SDGs in particular as these align best with:

- Our 2050 Net Positive Strategy
- Our Enhancing Lives Programme - making a real and positive difference to the lives of people with whom BAM comes into contact through its work.



Our efforts can contribute to the delivery of certain UN Sustainable Development Goals



We are committed to reduce the CO₂ intensity of our operations by 50% in 2030

Good Health & Well-being

Ensure healthy lives & promote wellbeing for all ages



BAM's Sustainability Strategy 2020

Enhancing lives.

This target is about making a real and positive difference to the lives of people BAM come into contact with through its work.

Current Alignment with SDG Goals

- Healthy workspaces for employees
- Provide employees access to health benefits, including mental health
- Create a culture of giving through community and charity partnerships



BAM colleagues taking part in the Waterford Greenway Challenge 2018

Creating the right environment for knowledge-sharing and scalable learning in BAM's complete supply is most important to reach safety targets.

Your Safety is My Safety is established to continuously improve BAM's safety performance and to meet strategic targets.

Safety is unconditional. It comes before programme or profit. Before anything you can think of. After a hard day's work, we all want to return home safely again. Get up healthy the next day and start a new working day.



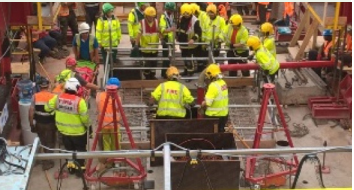









YOUR SAFETY IS MY SAFETY



360 employees availed of our bike to work scheme since 2011

Good Health & Well-being Highlights 2018

<h3>BAM Worldwide Safety Day</h3> <p>2018's theme was YOUR SAFETY is MY SAFETY. It is an important day where we all get together on each of our sites and offices to ensure that everyone goes home safe every day.</p> 	<h3>Construction Safety Week</h3> <p>Construction Safety Week is an opportunity to take stock of safety procedures and work together to drive home the positive safety message.</p> 	<h3>Pier 4 Rescue Drill N25</h3> <p>On the N25 PPP a rescue drill was undertaken on Pier 4 of the Barrow Bridge crossing to plan for any emergency event that may arise during the course of the works.</p> 	<h3>NCH Tower Crane Rescue</h3> <p>The New Children's Hospital (NCH) undertook a tower crane rescue drill with the local fire brigade service to allow members of the fire service to do a practice drill for any potential rescue required during the works.</p> 	<h3>Cups Against Cancer</h3> <p>NCH Site Team raised €1,477 in aid of the breast cancer awareness month in October by hosting a coffee morning.</p> 
<h3>Boland's Quay Highline Rescue & Garda Drill</h3> <p>The Boland's Quay team assisted the Garda Public Order Unit to complete a rescue drill on the project's tower crane in order to allow the unit to train for this type of emergency.</p> 	<h3>Construction Workers Health Trust</h3> <p>The Construction Workers Health Trust visited a number of BAM projects throughout 2018 and performed health checks on staff working on site. Checks included BMI, blood pressure and a general health check for the workers.</p> 	<h3>Defibrillator Donation</h3> <p>The Boland's Quay team donated a defibrillator to local community first responders. The defibrillator was placed in the local SPAR.</p> 	<h3>Skin Cancer Awareness Event</h3> <p>In conjunction with the Irish Cancer Society, a skin cancer awareness event was held on BAM sites in 2018. Events were held across all of BAMs projects and all site staff and subcontractors attended.</p> 	<h3>BAM Cycle</h3> <p>The annual BAM cycle challenge took place on the Waterford Greenway in 2018 and BAM staff completed a 46km cycle or 10km walk in aid of Aoibheann's Pink Tie. A total of €25,000 was raised during this charity event.</p> 

Quality Education

Ensure inclusive and equitable quality education and promote life-long learning opportunities for all



BAM's Sustainability Strategy 2020

Enhancing lives.

This target is about making a real and positive difference to the lives of people BAM come into contact with through its work.

The aim of enhancing lives is to:

- Enhance 1 million lives by 2020
- Increase diversity and equality in workforce
- Increase the number of apprenticeships and get people back into work
- Encourage good training for our workforce (direct and indirect)
- Work with schools and educational institutes to strengthen industry specific skills, and
- Showcase career opportunities and routes to enter the construction business

Enhancing lives aims to have a net positive impact on society and people

BAM Strategy

As part of its strategy BAM has initiated a target around enhancing lives which aims to have a positive impact on society and people by:

- Having happy, healthy, well trained employees
- Supporting communities where we work
- Educating the next generation ensuring future skills
- Creating opportunities for marginalised, disadvantaged, hard to reach people
- Supporting charities which our people relate to

The initiative focuses on making a positive impact through activities that would not happen without our support/ intervention.

BAM aims to continuously engage and inspire all its employees and is committed to implementing CPD programmes to advance the personal and professional development of employees and to empower staff to achieve their maximum potential within the BAM organisation.

BAM believes that there are significant business benefits from integrating equality, diversity and inclusion in day to day practice.



Quality Education Highlights 2018

Haven Partnership, Haiti

BAM took part in the 2018 Haven volunteer week and helped transform the Jean Jean School for the community of Gressier in Haiti. A better education facility will help empower students.



Student Visits

As part of our goal of educating the next generation we regularly host student visits giving them the opportunity to experience a live construction site, for many of them, for the first time. In 2018, we hosted a total of 16 student visit events throughout Ireland.



BAM FM Art Competition

BAM FM organised an art competition across all the schools which are managed as part of PPP Schools Bundles 3 and 4. The drawings entered, showcased exceptional talent from students right across the country.



Engineers Week 2018

Each year BAM take part in Engineers Week by undertaking events across Ireland on various projects. In 2018 this included a large-scale event for the New Children's Hospital project, 'engineering in a box' events and site visits for students.



Engineering in a Box

Delivered by BAM engineers to primary school students over a 10-week period, Engineering in a box aims to explore engineering through fun and educational hands-on workshops delivered to students in their schools.



Techno Teachers

The Techno Teachers event in 2018 highlighted the use of digital construction within BAM. The Techno Teachers Association is a voluntary organisation run by teachers, for teachers and has been in existence for over 30 years.



Below our Feet

A wealth of artefacts from the Viking era unearthed during BAM's major development of the former Beamish & Crawford site in Cork was displayed in the Cork Public Museum as it was not possible for the public to enter the site during excavation.



Fire Safety in Schools

John Galligan BAM FM Manager organised a fire safety awareness event at Ballinamore Community College to highlight the importance of fire safety to the students and to teach them about good fire awareness methods.



College and School visits

BAM regularly take part in guest lectures or talks in primary schools to highlight our company, projects and health and safety within the workplace. BAM took part in six of these type of events in 2018.



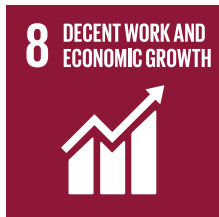
#BuildingEquality

Lottie spent time at our NCH project. The CIF Lottie Doll collaboration is just one small part of the overall #BuildingEquality campaign. The aim of Lottie's construction adventure is to open construction up to girls and to their parents.



Decent Work & Economic Growth

Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all



BAM's Sustainability Strategy 2020

This target is about building sustainable workforces within BAM and through our supply chains.

Current Alignment with SDG Goals

- *Promote careers in the industry to a diverse group of people*
- *Support unemployed people to take steps towards employment*
- *Work with suppliers and sub-contractors to encourage them to develop new ways of working to attract a diverse mix of employees*



Student visit to the National Children's Hospital

At the New Children's Hospital (NCH) BAM have a Community Benefit Programme and employ a Community Benefits Coordinator to ensure the aspirations of the programme can be fully achieved.

- The CB Coordinator works closely with the local employment services such as Intreo to establish strong links with job seekers from the local area. This collaboration means training can be arranged to prepare people for opportunities that come up on the NCH project.
- All of our supply chain are engaged in the programme and work with the CB coordinator to identify employment and training opportunities.
- BAM, in collaboration with the NPHDB (client for the project), held a student event for Engineers Week, and met over 250 local secondary school students.
- BAM works with local schools to raise aspirations of young people and encourage careers in STEM. It also keeps the community up to date on the NCH, the construction phase and opportunities for training and apprenticeships that will arise from the project.
- BAM engages with further education providers including Ballyfermot Training Centre, DCU, UCD, & Trinity.
- At the end of 2018, 885-person weeks of "new entrant" employment was delivered on the NCH, by BAM and our sub-contractors as part of the community benefit programme. In addition to this, 790-person weeks of experienced labour has been delivered by people from the local communities of Dublin 8 and Dublin 12.

Decent Work & Economic Growth Highlights 2018

Student placements

BAM continues to support student placement opportunities for third level students from ITs and Universities from across Ireland. In addition, transition year students also gained valuable work experience. 15 students availed of our student work experience scheme in 2018.



Community Benefit Programme at NCH

At the New Children's Hospital (NCH) BAM engage in a Community Benefit Programme and employ Community Benefits Coordinator to ensure the aspirations of the programme can be fully achieved.



Considerate Constructors Scheme

BAM had two sites registered on the CCS in 2018 with both scoring 4.5/5 stars on their audits. The CCS is a non-profit-making, independent organisation. Its aim is to improve the image of the industry.



Meet the Buyer Events

These events invite companies based close to projects to meet our procurement team and become members of our supply chain. On the NCH Enabling works we sourced a third of our contracts from companies in the local community.



Wellbeing Day

BAM office and site staff took part in Irelands National Workplace Wellbeing Day which took place in April 2018. Events included yoga, stretch and flex, healthy eating and lunchtime walks.



Careers Day

BAM regularly attend career and information days in various colleges around Ireland to promote opportunities with BAM for students to work within the industry and to highlight industrial placement opportunities for third year students.



Crew of the Month

BAM projects continued their sponsorship of 'Crew of the month' awards in 2018 across various projects. Crew of the month is awarded to the site team who have shown good practice and innovation in the area of health, safety and environmental protection.



Safety Champions

Each month BAM award a prize on each site for the site's safety champion. This award is presented to the person who has shown leadership and awareness for health, safety and environmental protection on site.



Industry, Innovation & Infrastructure

Building resilient infrastructure, promote inclusive and sustainable industrialisation and foster innovation



BAM's Sustainability Strategy 2020

*Climate positive and resource positive.
BAM aims to have a net positive impact
on resources and climate.*

Current Alignment with SDG Goals

- *Research and development programmes to foster collaboration*
- *Investment in digitalisation and working with BAM's supply chain*
- *Realising the benefits of circular economic business models*

*BAM constantly measures
the progress of its climate
change strategy*

BAM is fully embracing digital ways of working. We are using technological innovations such as BIM, robotics, 3D printing, virtual and augmented reality and modular/offsite construction, to enable us to build digitally before building on site.

Lifecycle information management

We adopt a whole life approach to digital, that places our client's information requirements (employer's and asset) at its heart. This ensures that the right data is obtained at the right time throughout the design, construction and operations phases,



enabling stakeholders to realise benefits such

as greater efficiency, cost savings, certainty and improved performance. We were one of the first contractors to achieve the BSI accreditation for PAS1192 and have adopted the latest technologies and software to allow us to capture data on site and during asset operations.

Virtual technologies

Technologies such as virtual, mixed and augmented reality enable our project team, client and stakeholders to experience an asset before it is constructed. Using a virtual viewer, individuals are able to walk through a building and gain a better understanding of the space and how it meets requirements. We are also able to create virtual fit outs, complete with fixtures, fittings, finishes and lighting, so that clients and potential tenants can see how a floor, room or retail unit would reflect their brand experience.



BAM trialing the Microsoft HoloLens

Industry, Innovation & Infrastructure Highlights 2018

Carbon Disclosure Project

BAM has remained on the Carbon Disclosure Project (CDP) A List in recognition of its actions to reduce emissions and mitigate climate change in the past reporting year.



FM Awards

BAM FM were winners of Innovation & Overall Excellence at FM Awards. They won both awards with Horus for a cognitive sensor; The Sentinel. It uses algorithms to learn patterns in machine operations.



Microsoft HoloLens

BAM has carried out trials of the new Microsoft HoloLens in the Netherlands. It allows users to see holograms within the existing environment and provides information such as assembly instructions.



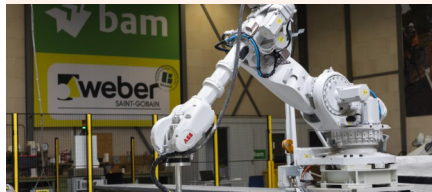
ROSPA Awards

The N25 New Ross Bypass PPP Project Team won the prestigious RoSPA Gold Award for Health & Safety Performance during 2018.



Robotics & 3D printing

BAM has developed a 3D builder robot, which is the first of its kind to use free-form print technology and automotive industry robotics. With an exchangeable print head the robot can print stone & concrete.



Property Industry Excellence Awards

BAM FM won FM Project of the Year at the KPMG Irish Independent Property Industry Excellence Awards.



Construction Safety Partnership Award

BAM Ireland won the Construction Safety Partnership Award for innovation in safety, construction and maintenance.



BIM Implementation Award

The BAM Ireland digital construction team won the Big Project Middle East Excellence in BIM Implementation Award on the Museum of the Future project.



Sustainable Cities & Communities

Make cities and human settlements inclusive, safe, resilient and sustainable



BAM's Sustainability Strategy 2020

Resource Positive and Enhancing lives.
 Work towards eliminating waste through the lifecycle of construction projects and integrated developments.
 Having a net positive impact on communities where we work.

Current Alignment with SDG Goals

- Waste reduction strategies in place for all of BAM's key projects
- Work with industry partners towards achieving zero construction waste
- Encourage our stakeholders to reduce waste by taking a lifecycle approach
- Encourage sites to participate in CSR activities

Our 2019 goals and targets

16% reduction of total construction waste (relative to total revenue) compared to 2015

Achieve >98% recovery rate for all construction and office waste

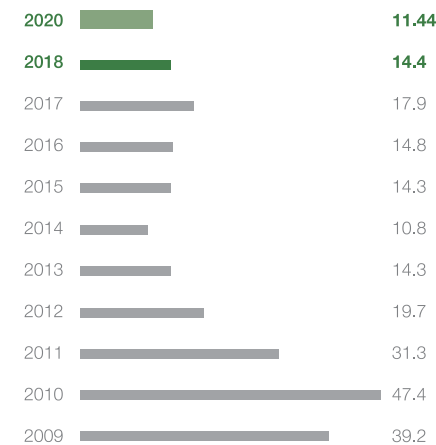
8% reduction of the relative CO₂ emissions (total CO₂ per € million of revenue) compared to 2015

Prevent waste from being sent to landfill in order to meet our 2019 target of zero waste to landfill

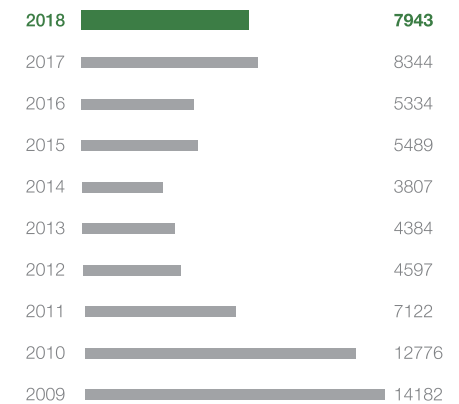
Our waste figures have dropped year on year since 2010, with a slight rise in 2015 to 2017. This is due to the high level of demolition projects which were undertaken by the company in 2015 to 2017 and the completion of a number of large projects in excess of €100m over the same period which tend to produce large volumes of waste.

In 2018, BAM was able to reverse this trend and our waste intensity saw a reduction of 19.5%. Overall, our construction and office waste has had reductions of over 44% for total volumes and over 63% waste intensity volumes since 2009.

Total Construction & Office Waste / million turnover



Total Construction & Office Waste (tonnes)



Sustainable Cities & Communities Highlights 2018

Considerate Constructors Scheme

The GBHP Acute Services Block Site Team at Belfast City Hospital won the Silver Considerate Constructors Scheme 2018 National Site Award. This team has shown the highest levels of consideration towards the public, its workforce and the environment.



Tidy Towns Awards

The BAM team at Letterkenny Courthouse received the 'Built Environment Award - Cleaner Community Campaign 2018' at the Letterkenny Tidy Towns Awards.



Courts Bundle PPP

2018 saw the completion of the Courts Bundle PPP by BAM which included courthouses in Cork, Waterford, Wexford, Drogheda, Mullingar, Letterkenny and Limerick. All of these projects achieved BREEAM accreditation for their sustainability in design, construction and operation.



CSR Awards

BAM sponsors Chambers Ireland CSR awards. The event is Ireland's most prestigious CSR awards event and acts to highlight the leading work being carried out by Irish and multinational companies in all aspects of CSR including excellence in the Environment, in the Community and in the Marketplace.



Enhancing Lives

As part of our own CSR initiatives in 2018, 25 BAM sites across Ireland took part in over 150 events which focused on our people positive goal of enhancing the lives of people in the communities where we operate. In addition, BAM donated over €82,000 to Irish charities.



Team Hope Shoe Box Appeal

BAM staff took part in the 2018 shoebox appeal for the Team Hope charity. The Christmas Shoebox gifts are given right into the hands of some of the world's most vulnerable children – many of whom will receive no other gift at Christmas. For some it's the first gift they've ever received.



Community Engagement

Some of the Boland's Quay project community initiatives include:

- Jerseys for Clanna Gael Fontenoy GAA Club
- Defibrillator for the local Spar
- Student visits



Temple Street

The NCH project completed fundraising activities on site and raised a total of €3,345 for the Temple Street Children's Hospital Foundation.



Responsible Consumption & Production

Ensure sustainable consumption and production patterns



BAM's Sustainability Strategy 2020

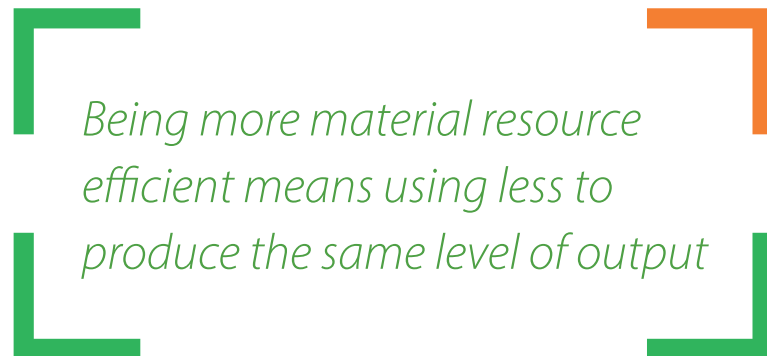
Resource Positive.

Contribute to restoring natural resources.

Adopt principles of the circular economy.

Current Alignment with SDG Goals

- Advise BAM's clients and project partners of options to increase productivity of materials products and components throughout the lifecycle
- Development of circular products and services across the group by 2020



BAM is the only major construction member of the Ellen MacArthur Foundation's Circular Economy 100 Programme. This brings together governments, cities, academic institutions, emerging innovators and affiliates to develop their circular economy capabilities, which are key to improving resource efficiency.



In a circular economy, there is the potential for 100% of all construction materials to be re-purposed or reused throughout the value chain. In 2018 BAM managed to recycle or recover 99% of its waste. By working with our supply chain there is an opportunity for BAM to find more useful purposes than landfill for the remaining 1% of our waste.

We actively work with clients to develop business models for 'circular buildings', including the ABN AMRO CIRCL building in Amsterdam.

BAM also has a strategic partnership with Autodesk and is actively involved in developing BIM applications to help manage the life-cycle of buildings.

Resource efficiency refers to the production or supply-side measures that tackle inefficiencies across supply chains; overuse of resources and waste when products and services are produced. Being more material resource efficient means using less to produce the same level of output.

Resource Efficiency

- 99% of soil & stones is now reused or recycled
- 99% of our waste was recycled or recovered
- Three key steps to resource efficiency
 1. resource use reduction
 2. higher levels of reuse of durable materials
 3. extracting higher value from material waste streams

Responsible Consumption & Production Highlights 2018

Waste Recycling & Recovery

In 2018 BAM managed to recycle or recover 99% of its waste. By working with our supply chain there is an opportunity for BAM to find more useful purposes than landfill for the remaining 1% of our waste.



Digital Construction

BAM gave a practical overview of LEAN & BIM in construction capital projects at the Galway Lean Forum, highlighting the benefits of digital construction in eliminating construction waste.



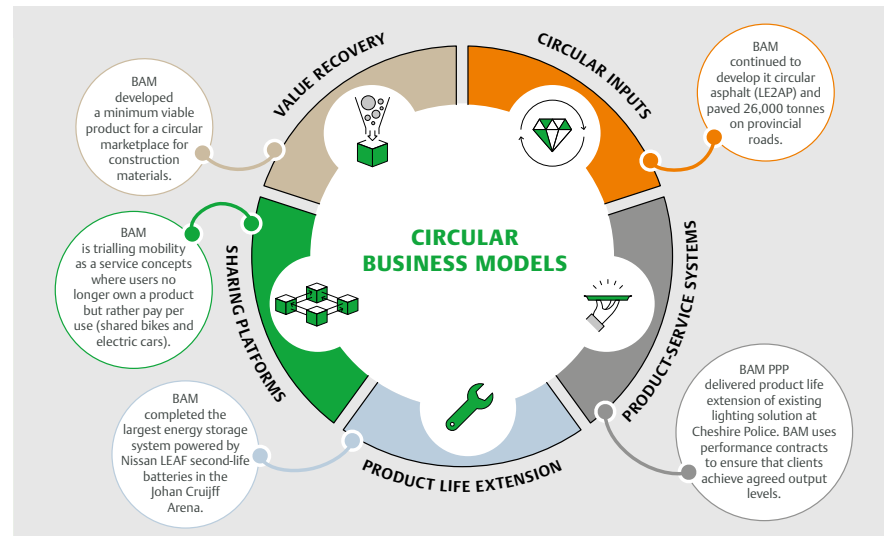
BREEAM

BAM completed and continued construction on BREEAM projects in 2018 including the 7 courthouses in the courts PPP bundle, the NCH and the Mill 2 student accommodation.



LEED

BAM completed and continued construction on a number of LEED projects in 2018 including One Microsoft Place, Bolands Quay, One Molesworth Street and Navigation Square Block A.



refillNotlandfill

Single use non-recyclable cups were replaced by compostable and biodegradable cups initially and now BAM are sourcing re-usable Bamboo eco-mugs to help avoid unnecessary waste.



Lighting Upgrades

BAM, will save approximately 135 tonnes of carbon over the next five years, following installation of a new energy efficient LED lighting system by eLight at BAM's Cork office.



Climate Action

Take urgent action to combat climate change and its impacts



BAM's Sustainability Strategy 2020

Climate Positive.

Deliver products and services which contribute to wider emission reductions.

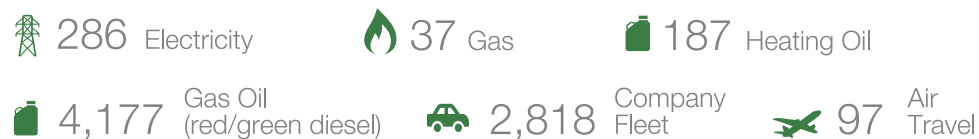
Scope 1 and 2 emission reduction strategies for BAM's key operations

Deliver a reduction in lifecycle carbon impacts of buildings and infrastructure (through material selection, design and asset management). By collaborating with the supply chain, encouraging innovative thinking through its products and realising the benefits of circular economic business models, BAM aims to have a net positive impact on climate, resources and people.

BAM aims to deliver products and services which contribute to wider emission reductions.

Our Carbon Performance & Summary for 2018

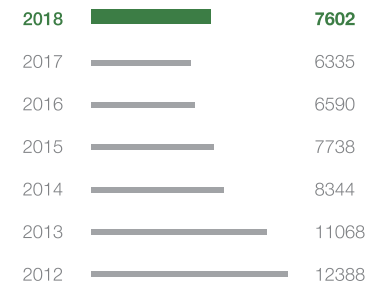
Emissions by individual source (tonnes)



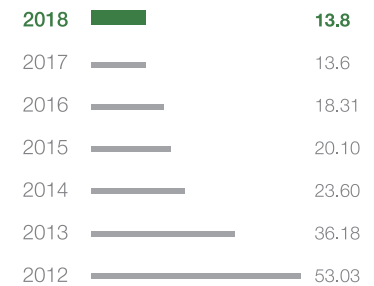
BAM have shown significant environmental efficiencies in how we conduct our business stretching as far back as 2009. Since 2009 total CO₂ emissions have reduced by 67% while CO₂ intensity (in terms of turnover) have also reduced by over 78%. In 2018, CO₂ emissions in terms of turnover increased slightly by 1.4%.

The reductions since 2009 have been important at BAM Group level as they contributed to Royal BAM being recognized on the A list of the CDP Carbon Performance Leadership Index from 2014 to 2016 and the A-list for 2017 and 2018.

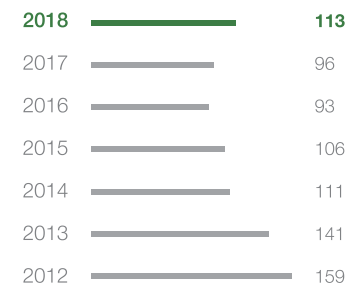
Total CO₂ emissions (tonnes)



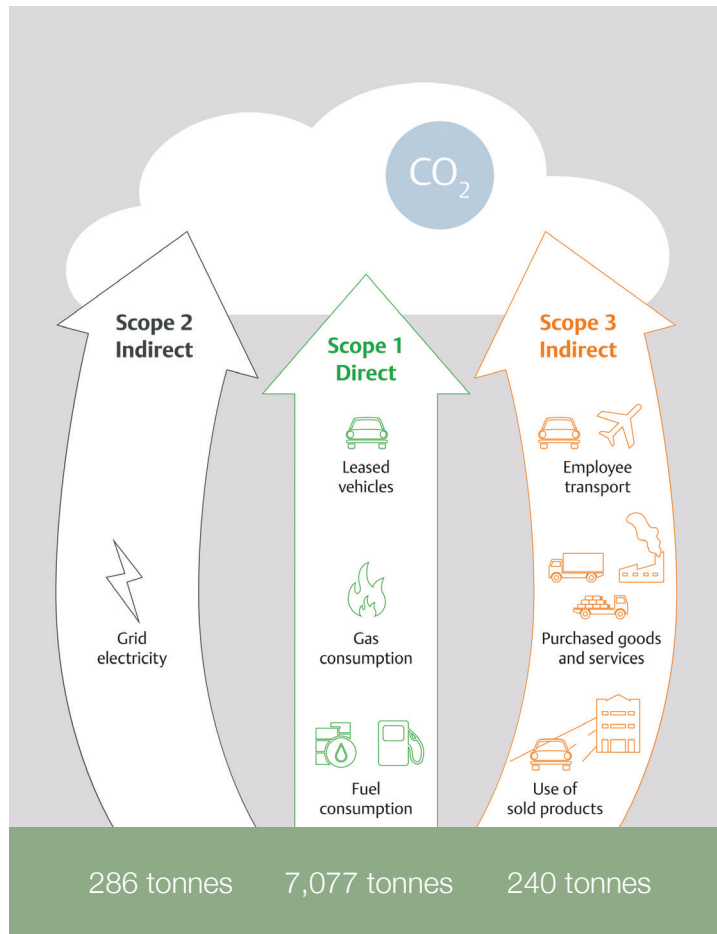
CO₂ emissions / € million turnover (tonnes)



Total Energy (TJ)



Climate Action Highlights 2018



CDP Benchmarking

BAM achieved leadership status on CDP's climate change benchmark in 2018 and performance was rated A-.



Waste Reductions

BAM reduced the amount of construction and office waste to landfill and incineration to 35 kilotonnes (2017: 48 kilotonnes).



Certified Timber

BAM increased the completeness of its timber analysis to 79%. Of the covered timber, 94% is certified sustainable.



CO₂ Emissions

BAM reduced its CO₂ intensity by 13% compared to 2015.



Sustainable Construction

In 2018, a higher proportion of projects were registered with a third-party green building or sustainable construction rating organisations such as US LEED and UK's BREEAM.



Electric Vehicles

In 2018, BAM began procurement of electric vehicles in order to reduce the CO₂ emissions of our vehicle fleet. 2019 will see additional investment in our electric vehicle fleet.



Our External Recognition & Benchmarks



2018/2019

The Construction Industry Register Ireland (CIRI) was established by the CIF in consultation with the Department of the Environment as the definitive listing of main contractors and sub-contractors operating in Ireland that are competent to carry out works on behalf of public and private clients.



They are the professional body for engineers in Ireland. With over 25,000 members from every discipline of engineering, Engineers Ireland is the voice of the engineering profession in Ireland.



BAM has achieved leadership status with the global Carbon Disclosure Project earning a performance rating of A. This ranks us in the top companies globally in reporting and tackling climate change.



(Leadership in Energy and Environmental Design) is the most widely used green building rating system in the world. LEED certification is a globally recognized symbol of sustainability achievement.



Is the world's leading sustainability assessment method for masterplanning projects, infrastructure and buildings. BREEAM does this through third party certification of the assessment of an asset's environmental, social and economic sustainability performance, using standards developed by BRE.



BAM was the first organisation in the country to achieve the international industry standard PAS 192-2 verification for the use of BIM process for delivery construction projects. Verified by the British Standards Institution (BSI) is a mark of excellence in BIM.



By embracing the principles of the circular economy, products and services are (re)designed to ensure that materials for constructing buildings and infrastructure are natural and renewable or can be recovered at a high quality.



ISO 26000 | Self declaration Social Responsibility

Our Safety Management System is certified to ISO 45001: 2018. Our Quality Management System is certified to ISO 9001: 2015. Our Environmental System is certified to ISO 14001: 2015.

Our People

MANAGEMENT

Theo Cullinane – CEO
 Tadhg Lucey – COO (Civil / International / Safety)
 Ger Harrington – COO (Building / Property / FM)
 Lorna Cross – CFO

BAM BUILDING

Regional MDs

Luke Gibbons
 Denis McCarthy
 Ger Moloney

Construction Directors

Pat Connolly
 Perry Haughton
 Howard McDonagh
 Aidan O'Connell
 Derek O'Connor
 Kevin O'Driscoll
 Seamus Sheahan
 Pdraig Walsh

Regional Commercial Directors

Seamus Kealy
 Jim Martin
 Pat Murphy

BAM CIVIL

Regional MD

John Lucy

Director

Brian Cunningham

Construction Directors

Adrian Cunningham
 Brian Cunningham
 Darren Devane
 William Diver
 Alan Finn
 Pat McAndrew
 Declan Roche
 Mark Phelan

Regional Commercial Directors

Philip Desmond
 Peter Walsh

BAM FM

Directors

Ger Harrington
 Denis McCarthy

BAM FM / HOUSING

Construction Director

Micheál Keohane

BAM PROPERTY

Construction Directors

Ger Moloney
 Sean O'Brien

BAM PPP

Managing Director Ireland

Tim Hesketh

BUSINESS UNITS

Mike Jones – Business Development / Communications Director
 Tadhg Lucey – Sustainability / CSR Director
 Kathy O'Leary – SHE & CSR Manager
 Elaine Maloney – Environmental & Sustainability Coordinator
 Brian Quinlan – Quality Manager
 Seamus Brady – Chief Estimator, Building
 Paul Brennan – Head of Digital Construction
 Adrienne Bryan – HR & Payroll Manager
 Tommy Flaherty – Plant Manager
 Andrew Kehoe – Procurement Manager
 Tim McCarthy – ICT Manager
 David Barron – M&E East & Dublin
 Ger Moloney – M&E South
 Tiernan O'Malley – M&E West

If you do not wish to receive future copies of this publication please email comms@bamcontractors.ie



View our CSR video at
www.bamireland.ie/csr
 or scan the QR Code above



Head Office

Kill, Co Kildare,
W91 KH3E
t: +353 45 88 6400
e: info@bamcontractors.ie

Southern Regional Office

Euro Business Park,
Little Island, Co Cork,
T45 R902
t: +353 21 451 7300
e: info@bamcork.ie

Western Regional Office

Unit 5, Liosban Business Park,
Tuam Road, Galway,
H91 DR5W
t: +353 91 778 583
e: info@bamgalway.ie

www.bamireland.ie

