

Fact sheet



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## Environmental management

“Good environmental management matters, not only as it’s the right thing to do, but our reputation relies on it. Our stakeholder’s perceptions are shaped by our ability to manage environmental impacts and opportunities well, getting it wrong is not an option for us.” John Raine, Chief HSSE Officer

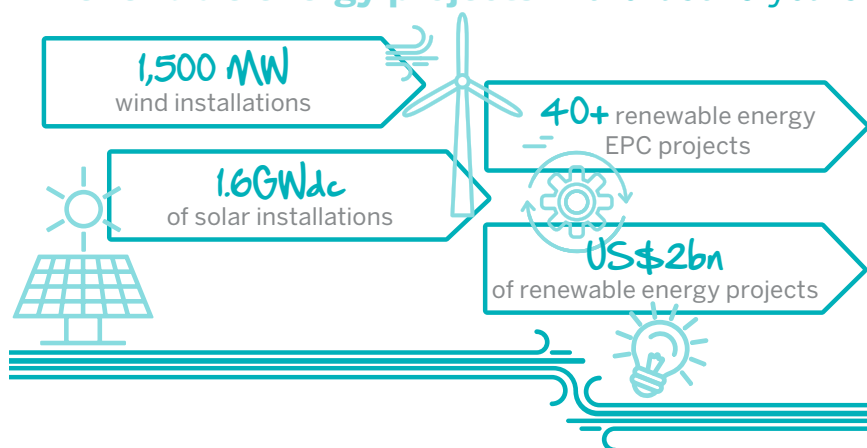
Our business and many like it help to shape the world around us through the services we offer. We have an ever increasing portfolio of services which focus on the markets of tomorrow – but the services are only useful to us when they are procured by our clients.

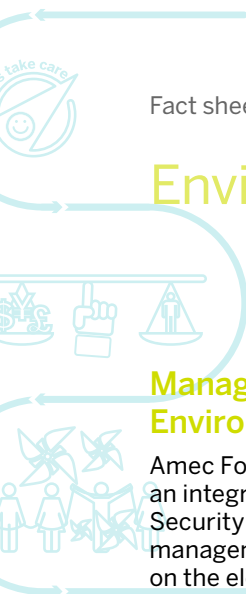
When oil prices are low, securing investment in renewable technologies is challenging. However our success in servicing the solar energy market has grown steadily since we first entered the market in 2008. In less than 10 years\*, we have designed and built nearly 30 solar energy facilities and installed

over 1.63 gigawatts direct current (GWdc) of solar energy projects across North America. The business case for excellence in environmental management is illustrated by the fact that Environmental & Infrastructure services now represents 17% of our total global turnover.

Much of our work has the potential for significant environmental consequences. Ensuring that we manage our environmental aspects is imperative to the sustainability of our business. Our clients demand that we carefully manage environmental risks associated with executing our projects and doing more with less enables us to minimise wastage. Meeting statutory requirements alone is not enough, although it forms an element of our Foundation of Excellence in our sustainability strategy and part of our basic fundamental principles. Being a business that contributes to global sustainability by offering services which seek to protect and enhance our environment is, by far, a key aspiration.

### \*Renewable energy projects in the last 10 years





# Environmental management



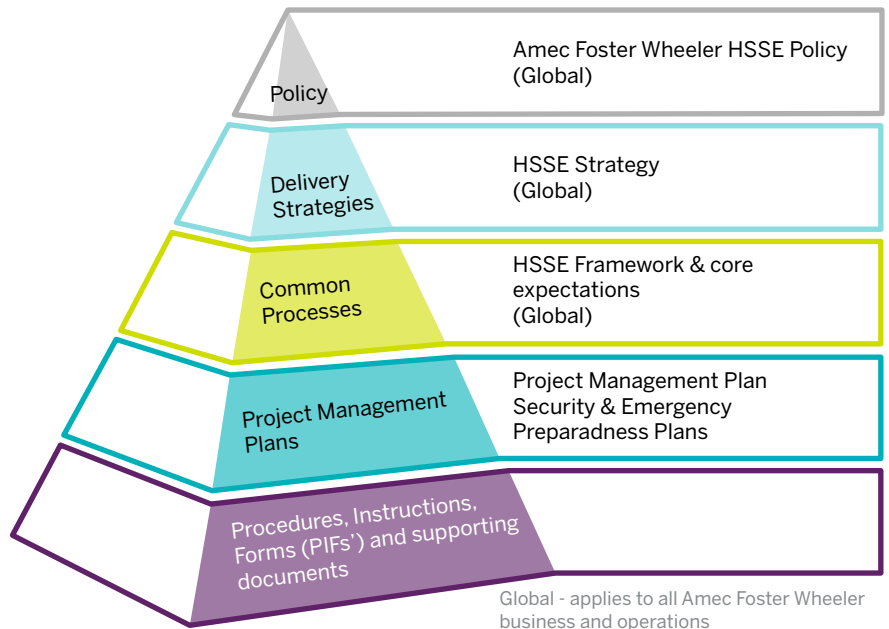
## Managing our Environmental Aspects

Amec Foster Wheeler has adopted an integrated Health, Safety, Security and Environmental (HSSE) management approach which draws on the elements of ISO 14001 with the European part of the business benefiting from ISO certification. Compliance with the standard is required as a part of our mandatory framework although third party certification is not, unless there is a business need to do so.

## Policy and Framework

Our HSSE policy sets out our key environmental aims and objectives as a responsible business. Many of our aims and objectives are combined health, safety and security as well as environmental (see our [HSSE policy](#)). Our policy is an important document because it underpins the development of our environmental management approach. It is such an important policy that our Board of Directors regularly review and must approve it. The policy is supported by our health, safety, security and environmental (HSSE) framework document.

This sets out Amec Foster Wheeler's expectations and minimum environmental standards for our global operations. It provides the guiding hand on what we believe should be our absolute standard wherever we operate in the world. We know that standards of environmental management are different across the world and we are committed to upholding our legal obligations. However, where the statutory duty of care to the environment falls short of our own standards, we are committed to ensuring that we operate to our framework and standards. We will not allow our standards to be lowered.



## Environmental Standards

Our Environmental Standards form part of Amec Foster Wheeler's Beyond Zero road map. They form a company-wide benchmark for environmental management supporting our Health, Safety and Environmental policy commitments.

**Environmental Standards**

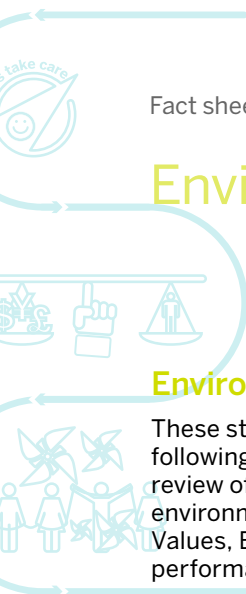
Delivering sustainable world-class HSSE performance

THIS IS A PART OF OUR HANDBOOK FOR SUPERVISORS AND MANAGERS

**Waste management**

Waste is a significant environmental impact around the world so as a responsible company we must manage it effectively. Amec Foster Wheeler sites should incorporate a waste management plan into their on-site environmental management system.

Environment in project design	62
Environmental due diligence	63
	64
	65
	66
	67
	68
	69
	71
	72
	73
	74
	75
	76
	78



# Environmental management

## Environmental Standards Continued

These standards were developed following a comprehensive review of Amec Foster Wheeler’s environmental commitments (Our Values, Behaviours and Policies) and performance, including:

- Environmental incident investigation
- Regulatory performance
- Environmental key performance indicators
- Environmental best practice (including ISO standards)

The objective of the standards is to ensure a consistent level of performance across the organisation which protects and enhances Amec Foster Wheeler’s world-class environmental reputation. We focus on areas where

we must ensure high standards of performance to reduce associated environmental and financial risk (pollution and associated clean-up costs).

The standards are split into two sections - environmental planning and environmental operational control. They cover a variety of issues such as Project Pre-Site Planning, Pollution Prevention, Carbon Management, Polluting Material Storage and Site Vehicles and Equipment. There are also a set of accompanying checklists to aid in self-assessment of compliance against the standards.

These standards are applied to our operations where Amec Foster Wheeler has environmental responsibility; they are integrated into our business line health,

safety and environmental (HSE) management systems. Compliance with the standards is mandatory and verified through our corporate assurance activities.

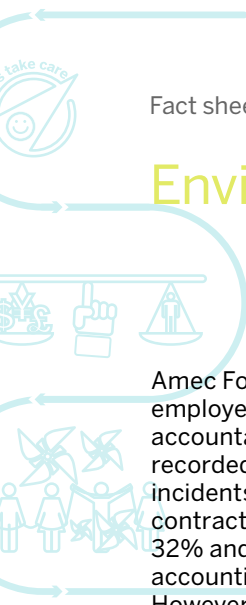
In 2016 the Northern Europe and CIS business unit piloted a performance standard assessment for the environmental standards. This involved a high level review and assessment of each operating unit against compliance and understanding of the environmental standards. Results of the pilot were positive with assessment scores ranging from 84-94% across the business unit. Operating units were issued action plans to close any gaps identified. These will be followed up throughout 2017 and the process considered for wider roll out as appropriate.

## Environmental Incidents

As part of our mandatory procedure, ‘Incident reporting, recording and investigation’, environmental incidents are captured in Amec Foster Wheeler’s incident management and analysis tool oneAIM. Incidents are assigned an environmental potential based on the table below:

Consequence level	Consequence description	Number of people				
		0	1	1-2	2-10	>10
1	Minimal reversible environmental impact	A1	B1	C1	D1	E1
2	Minor pollution with short term impact (1 month)	A2	B2	C2	D2	E2
3	Moderate pollution with medium term localised pollution (1 year)	A3	B3	C3	D3	E3
4	Severe pollution with long term localised pollution (>1 year)	A4	B4	C4	D4	E4
5	Major pollution with long term environmental change	A5	B5	C5	D5	E5
		A	B	C	D	E

High level consequences are notified to the management team through a first alert process and all high potential consequence incidents subject to an in-depth investigation (level 2). 84 environmental incidents were reported in 2016, only 2 of which were subject to a level 2 investigation, the rest were potential level 1 which indicated small localised spillages with very minor or no environmental impact.

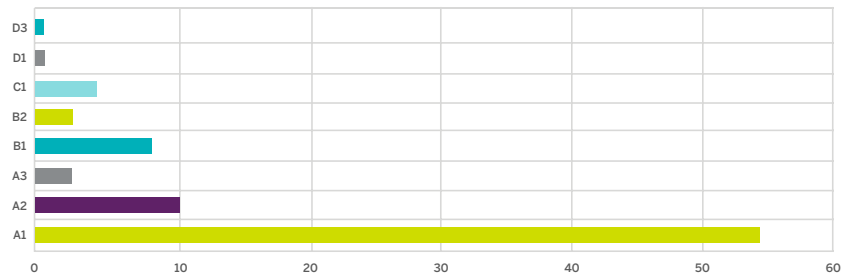


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Amec Foster Wheeler employees were accountable for 43% of all recorded environmental incidents, with managed contractors accounting for 32% and sub-contractors accounting for 19%. However, in 2016 the largest spill was attributed to Amec Foster Wheeler.



Potential consequence ratings of incidents

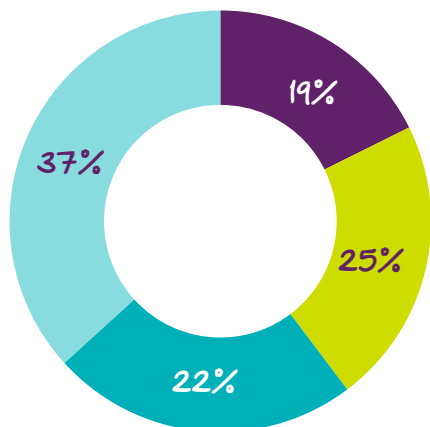
	2016	2015	2014	2013	2012	2011
EIFR*	0.12	0.11	0.13	0.23	0.23	0.47
No. of recorded incidents	84	81	51	87	99	179
Of which were spills	73	77	50	71	78	175
Volume of spills (litres)	30,148	2,275,494**	301,922	3,314	4,529	7,150

\*Environmental Incident Frequency Rate per 200,000 hours worked

\*\*Excluding volumes recorded in legacy FW system which did not capture this information

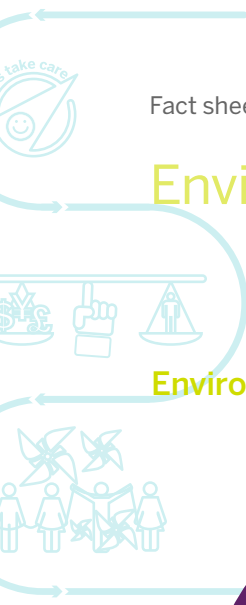
Note: Historical data for 2014 and earlier are based on AMEC figures only, as data from Foster Wheeler was not captured to allow us to combine years before integration.

During 2016, 87% of all reported incidents were spillages, the other 13% were made up of incident reports including nuisance, litter and uncontrolled emissions to air amongst others. Of these reported spillages, 37% involved the spillage of hydraulic oil from plant, 25% were from release of contaminated water and 22% from fuel spillages. 19% of spillages were of 'other' materials, this category includes a mixture of substances such as sewage, coolant and water.



The total volume of spillage in 2016 was distorted by one incident recorded on a project in the UK. On 22 September Amec Foster Wheeler received a complaint in relating to contamination of a private drinking water supply. Upon investigation an estimated 25,000 litres of water was found to have been released from the site in an uncontrolled manner, contaminating a private well which was used for drinking water with levels of silt. Local residents were contacted and offered alternative portable water if their supply was affected. This incident was rated as a D3, moderate pollution with medium term localised pollution.

- Other
- Contaminated water
- Fuel
- Hydraulic oil



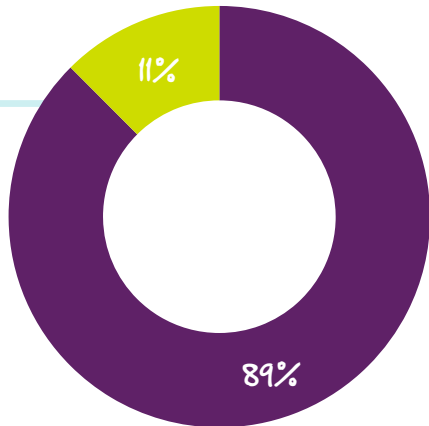
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## Environmental Regulatory Record



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Of the 84 environmental incidents which took place in 2016, 9 were reported to the relevant statutory body.

-  Not reported to statutory body
-  Reported to statutory body

A UK project received notice under section 60 of the Control of Pollution Act 1974 relating to a noise complaint being received from a member of the public. Regular monitoring is currently being undertaken at the site to ensure work is carried out in line with the notice.

	2016	2015	2014	2013	2012	2011
Prosecutions	0	0	0	0	0	0