



Sustainability Report 2017

Singing
our praises
p9

\$40,000
raised
for WaterAid







Sustainability is part of our DNA



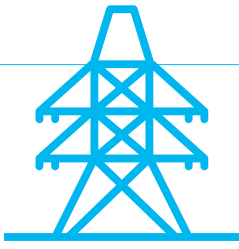
At Armstrong, providing “service to the world, who by reason of such service becomes our customer” has been one of the three corporate values for decades. More recently, this commitment to sustainability has been articulated in our Planet Proposition, which covers not only the sustainability values we provide our customers, but also how we want to go about the process of delivering these values and how we interact with, and increase environmental awareness with the communities in which we operate.

At Armstrong, we believe that environmental stewardship is an integral part of why we exist and how we go about our business. With the development and implementation of innovative technologies, this environmental stewardship comes with a cost advantage for our customers, our planet, and ourselves. This report highlights some poignant examples of that.


Lex van der Weerd
Chief Executive Officer

Key Facts

—
Our performance in
2016

13% 


Electricity reduction

47% 

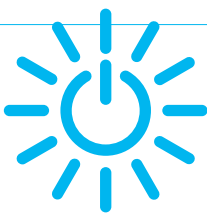
Water reduction

10% 

Waste reduction

22% 

Gas reduction

193,230
kWh 

Solar energy generated

31 

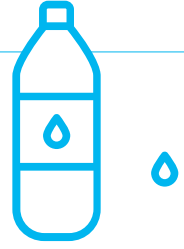
Environmental projects completed

05 

Environmental initiatives started

100% 

Production facilities ISO 14001 certified

10,000
\$ 

Donated to WaterAid

20,091
\$ 

Raised for local causes

02 

Vegetable garden projects

40 

Employee health and wellbeing events



Introduction

1.0

Sustainability
at
Armstrong

Our Solutions

By designing & supplying industry leading energy-efficient and eco-friendly fluid flow solutions, we help our customers reduce their energy consumption, save money and lower their carbon emissions.

**WE HELP OUR CUSTOMERS REDUCE THEIR ENERGY CONSUMPTION,
SAVE MONEY AND LOWER THEIR CARBON EMISSIONS**



Our Environment

By applying stringent environmental standards to our operations, measuring our performance & continually raising the bar we're reducing our own consumption of valuable resources and making our plants a better and more comfortable place to work in.

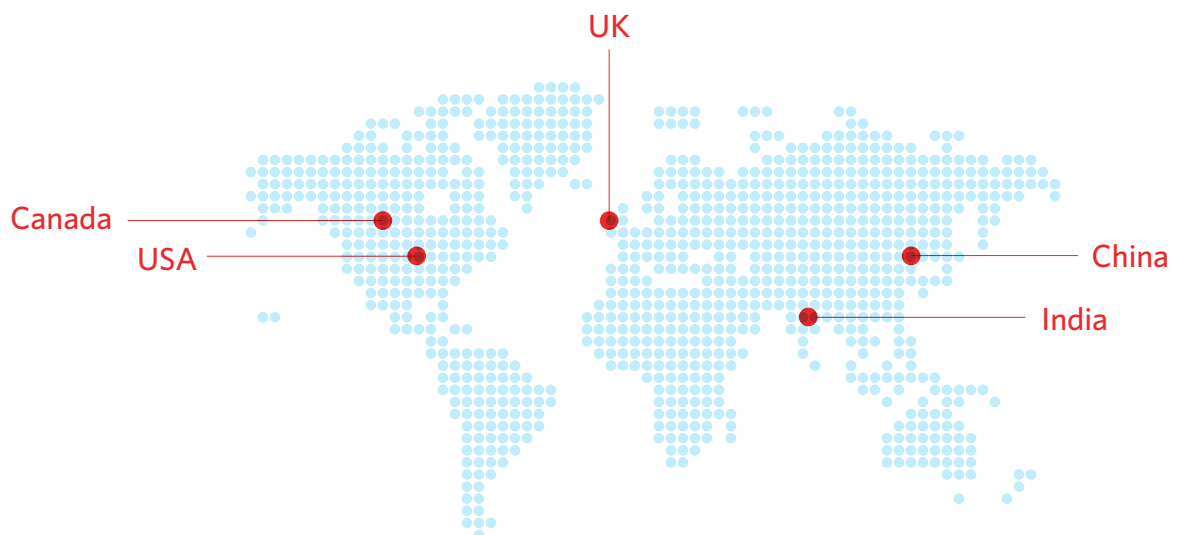
**WE'RE REDUCING OUR OWN CONSUMPTION OF VALUABLE
RESOURCES AND MAKING OUR PLANTS A BETTER PLACE**



Our Community

And by educating and supporting the Armstrong community (our stakeholders and neighbours) to make environmentally responsible choices at work and at home we're helping the community at large become more sustainable.

**WE'RE HELPING THE COMMUNITY AT LARGE BECOME MORE
SUSTAINABLE**

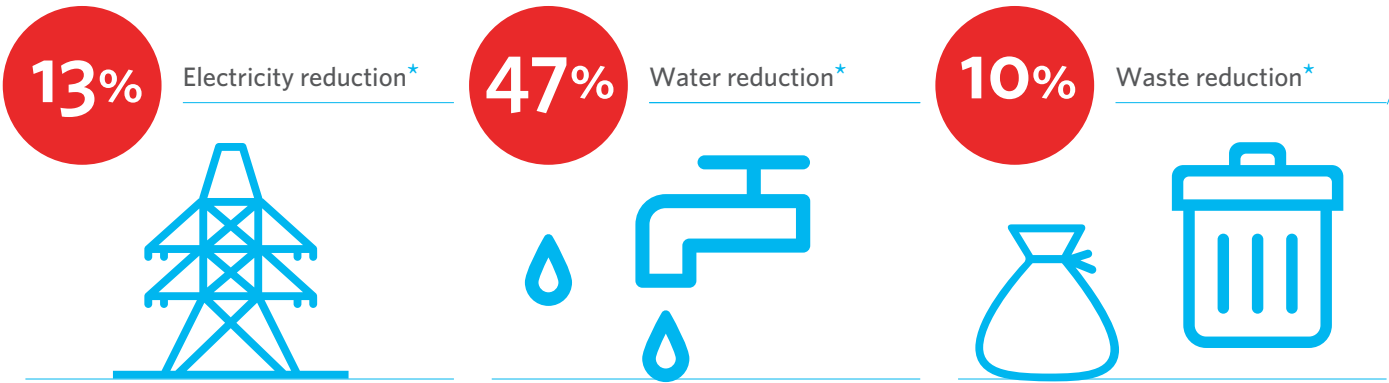


Our Environment

2.1

Key performance metrics
2016

Global results
including all our
plants:

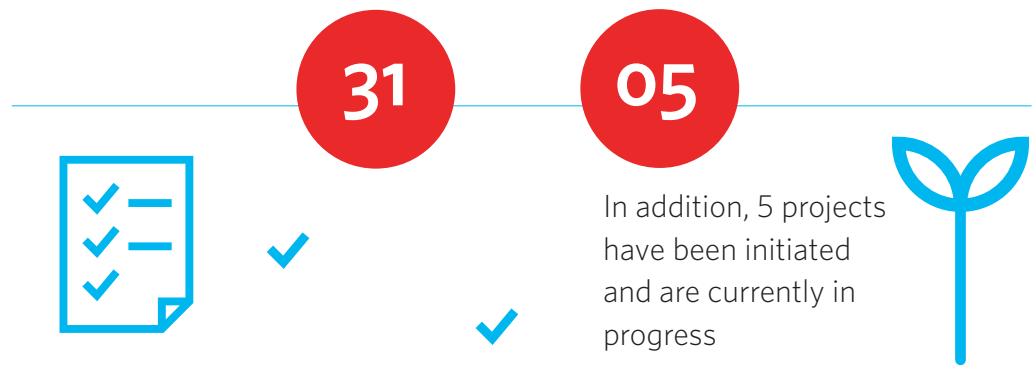


* (against 2014 base year, adjusted for Cost of Completed Production)

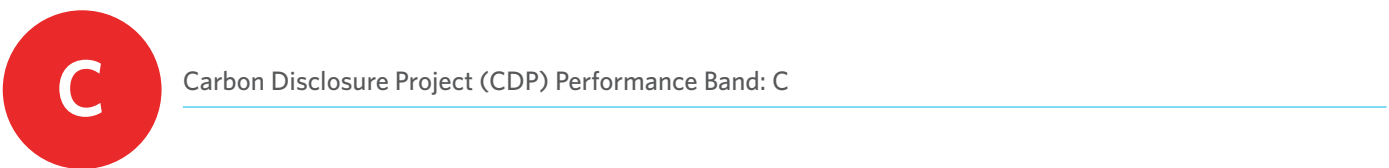
100% of our production facilities around the world are certified to ISO14001 Environmental Management accreditation

ISO14001 Environmental Management

31 environmental initiatives and projects implemented in all our global locations to support the achievement of our sustainability targets



In addition, 5 projects have been initiated and are currently in progress



Awareness Level (ranked on an A - D scale)

We managed to position ourselves above the industry average band - D





Our Environment

2.2

Case study

Solar Photovoltaic Panels at Manchester office



By the end of December 2015, Armstrong has completed a major renewable energy project at our Manchester site. A 250 kilowatt peak (kWp) system was successfully installed over a roof area of 1,550 m².

The system is up and running since January 2016 and has already started to reduce the carbon emissions and the costs associated with our electricity consumption

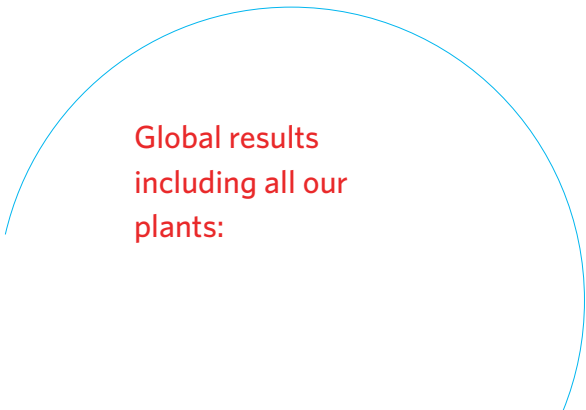
Over the course of 2016, the panels generated 193,230 kWh of solar energy. We used 90% of this in our production facility and exported the rest. Overall, 36% of the total electricity we used in 2016 was provided by solar power.



Our Community

3.1

Key performance metrics
2016



Global results
including all our
plants:

In addition to our fundraising for WaterAid, \$5,399 were raised in total by all Armstrong Planet Proposition teams for other good causes. These included the White House Cancer Support, Macmillan Cancer Support, the Wings Flights of Hope, Canadian Cancer Society and Oxfam Canada.

\$20,091



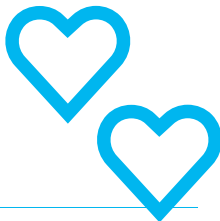
100,000 one side printed sheets of paper converted to notebooks and donated to a local school.

100,000



40 employee health and wellbeing events organised across all our sites.

40 events



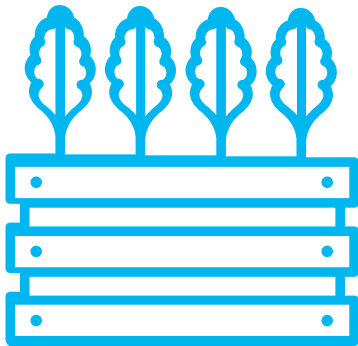
2 vegetable garden projects completed one in Bangalore and one in Manchester; money raised through the sale of vegetables went towards local good causes and community projects.

2 vegetable garden projects



62 hours volunteered for supporting community projects and local good causes.

62 hours



Our Community

3.2

Case study



Global Fundraising Initiative for Water Aid - The Employee Talent Show

WaterAid is the leading international NGO federation focused exclusively on improving access to safe water, improved hygiene and sanitation for the world's poorest communities.

WaterAid works in 27 countries across Africa, Asia, the Pacific region, and Central America. Since 1981, WaterAid has reached 17.5 million people with safe water and, since 2004, 12.9 million people with sanitation.

Under Armstrong's Planet Proposition initiative, WaterAid has been selected as a Global Cause, and the Global Employee Talent Show, 'Armstrong's Rising Stars', was the first global-scale event designed to raise money for this important cause.

To join the competition, employees were invited to capture their unique talent on video and submit for voting and prizes. Family members and friends could also be included. Once the videos were out, people could make donations to support their favourite and the money would go towards WaterAid.



The initiative was very well received by everyone and it turned out to be extremely successful. Armstrong's Rising Stars raised \$5,000 which was kindly matched by Armstrong to \$10,000!

In addition, WaterAid had two projects where the Canadian Government was matching funds at a ratio of 1:3, so our \$10,000 put towards one of those projects became \$40,000 donated to WaterAid efforts!



\$5,000 + **\$5,000**

Armstrong's Rising Stars

Kindly matched by Armstrong

=

\$40,000

Canadian Government matched fund at a ratio of 1:3



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