



Packaged solutions

Built off-site | Benefits on-site

AT ARMSTRONG, WE'RE
MAKING ENERGY MAKE SENSE.
We design, engineer and
implement totally integrated
intelligent energy solutions.

From pump and chiller upgrades to complete energy centre installations, we work in productive partnerships with private and public sector clients throughout the UK to deliver innovative and robust solutions - with ongoing support and single source responsibility.

1934

Since our founding in 1934 by Samuel Allan Armstrong, our company has pioneered an uncompromising range of products and solutions for

customers. From the very beginning, our name has been a benchmark for quality in design, engineering and manufacturing.

In 1952, our company, under the direction of James A.C. Armstrong, began to institute bold initiatives across the entire spectrum of our corporate activities that set our course for the next 30 years. In the decades that followed, we developed new technologies, established international manufacturing operations and expanded into more diverse markets.

ALWAYS WITHOUT COMPROMISE

Today, as we serve customers through-out the world, our original commitment to production of the highest quality is unchanged.

We will not compromise the expectation of us, and we will never allow an inferior product to carry the Armstrong name. For Armstrong, identifying customer needs, offering superior technology, and building great customer experiences, are all part of a long-standing family tradition.



INTERNATIONALLY RECOGNISED

Our products are internationally recognised for design efficiency, long service life and operating economy.

Our applications are installed in some of the worlds premier facilities. Our goal is to provide leadership to the industry, practical solutions to customer problems, and superior alternatives to conventional thinking.

A PARTNERSHIP APPROACH

FOR OPTIMAL SOLUTIONS

Our products and solutions begin with an interactive approach, encompassing our own engineering, manufacturing and field sales personnel.

We listen to our customer's needs. This process promotes the development of cutting edge technology, resulting in products and solutions that are right for their markets, applications and deliver value to the customer / end-user. Using the most advanced engineering techniques, including solid modelling, FEA and CAD, Armstrong meets the challenge of the 21st century.

PURPOSE-BUILT

We create purpose-built products and solutions for the specialised needs of our industry. Our engineers work closely with your team to focus on optimal solutions, minimised costs, and maximised value for your particular requirements.



APPLICATIONS

CHW

Fire Protection LTHW, MTHW, HTHW

Steam Biomass

Heat Pumps DHWS Chiller Plant

CWS Storage / Hydraulic systems

Thermal exchange Boosting

CHP Transformers

Power generation Acoustic enclosures

Switchgear Solar Thermal

Control Gear Solar PV

ACCREDITATIONS

BAFSA Member ISO 9001

ISO 14001 CIBSE Patrons

Gas Safe Register ESTA Members

NIC EIC Approved Founder Members of

"Build Off-site" **BPMA** Members

CORE COMPETENCIES

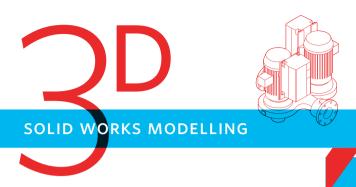
Off-site Construction Fluid Management

Variable Speed Systems Project Delivery

Demand Based Control Intelligent Support







Armstrong pioneered packaged plant room development utilising 3D modelling computer systems; which enables us to build the entire plant room "virtually" prior to construction.

This eliminates clashes, fit up errors and other unpleasant surprises typical with traditional methods.

Our comprehensive parts library stretches to many thousands of parts, rigidly controlled, managed and updated for accuracy and validity, and includes many custom properties such as dry and wet weights, manufacturer details, etc...

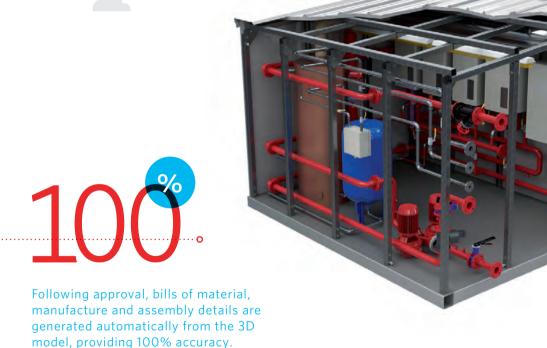
STAKEHOLDER INPUT

Involvement is encouraged through the use of e-drawing software that enables a 3D file to be emailed to any number of recipients whereupon it can be opened, manipulated and flown through without the need for special software on the recipient PC.



Comments can easily be inserted into the e-drawing to feed back to the design team. In addition, traditional 2D drawings are generated from the model and annotated in the traditional way for review, comment and records.

ACCURACY







PELOTON

Armstrong's control and automation team supports both our product applications and bespoke solutions for your application.

Today's intelligent plant contains many on-board features of automation and optimisation for peak performance of that piece of equipment, normally based on traditional PID feedback loops.

INNOVATIVE APPROACH

Armstrong's innovative approach to plant control is to position itself between those individual elements of functional plant; pumps, boilers, chillers, etc, and the building management system, taking an holistic view of the plant and from that position seek to optimise plant operation for energy efficiency and performance reliability through harmonious operation of all the functional elements through our Peloton Control Technology.

Implementation of the Peloton Control Technology enables greater efficiencies to be gained, through a collaborative approach to plant control. Using the Hartman loop™, a digital era technology, allows an Armstrong control solution to determine the optimal plant operating conditions.





MANUFACTURING

Armstrong's wide-ranging resources have enabled us to take a unified, global approach to quality manufacturing.

Our facilities feature automated manufacturing and quality control, utilising sophisticated computer testing throughout the entire production cycle.

- Armstrong's fully integrated information system links facilities operations on a 24-hour basis.
- This capability speeds production flow and ensures control over all phases of manufacturing and delivery process.





ARMSTRONGINTEGRATED.CO.UK

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ESTABLISHED 1934

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