



Armstrong Prefabricated Solution Capabilities

SOLUTION OUTLINE

FILE NO: 81.05
DATE: JUNE 2016

SUPERSEDES: NEW
DATE: NEW

PERFECTLY DESIGNED

PROFESSIONALLY MADE

A building project focuses on the elimination of unknowns. Making decisions is tough and reaching milestones is even tougher. Certainty in any area of your HVAC project would be a welcome relief. Armstrong gives you that certainty with our off-site built packaged systems and plant rooms.

Armstrong off-site built packaged systems add value to every aspect of your building project



RISK MITIGATION: COVERED FROM ALL ANGLES

SYSTEMS PERFORMANCE EXPERTS

Design, sizing, sourcing and fabrication are handled by experienced, committed personnel to satisfy your performance specification. Their expertise shows in the quality of the product.

SINGLE SOURCE

Armstrong is responsible for all aspects of the system, giving you single-source control of every component. You get security and a coordinated response for all issues, ensuring performance.

OFF-SITE FABRICATION

Armstrong packaged systems are fabricated off-site in a controlled factory environment, free of delays, so you and everyone in your organization can have confidence in quality workmanship. Options such as factory acceptance performance and witness testing are available for enhanced risk mitigation.

ON TIME, ON BUDGET, ON SPEC PROJECT MANAGEMENT

Eliminate slippage, overruns, variances and non-performance from your project communications. Our project managers are looking out for your success to make your results positive.

CONTROLLED PROJECT COSTS: YOUR COMPETITIVE ADVANTAGE

With an Armstrong pre-fabricated solution, all of the work related to sourcing, fabrication, coordination, assembly and testing is moved off your critical path, and doesn't tie up your resources or expose you to variances. Factory assembly and testing minimizes the on-site time required for installation and commissioning, and reduces the coordination required between trades and subcontractors.

The Armstrong design process takes advantage of our decades of design expertise. With leading edge software, the design stage is completed in less time and at a lower cost, and makes a variety of output formats available including Revit for BIM.





BUILT TO LAST



LOWEST LIFECYCLE COST: ADDED VALUE

Armstrong packaged systems are designed for optimal efficiency, long service life and the lowest possible maintenance costs. A key contributor to consistent low-cost maintenance is the arrangement of system components. Attention to space usage and ergonomics ensures that components are easy to access for maintenance and service/

replacement. Another key contributor to low lifecycle cost is component quality.

Project management support is included on all packaged system orders. These services, carried out by experienced, certified personnel ensure the longevity of high-efficiency performance.

CONFIGURATIONS

Modular plant rooms, chillers, boilers, boosters

Central utility plants

Intelligent fluid management systems

Fire pump houses

SECTORS WE SPECIALIZE IN



DATA CENTRE



HEALTHCARE



RETAIL



GOVERNMENT



ENERGY SERVICES



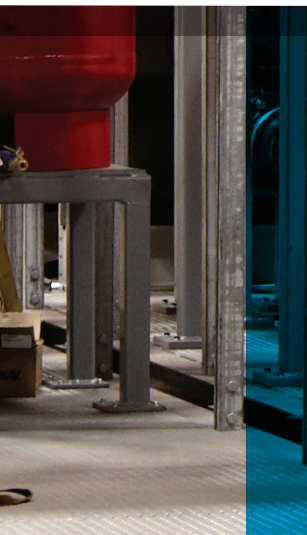
SPORTING EVENTS



HOSPITALITY



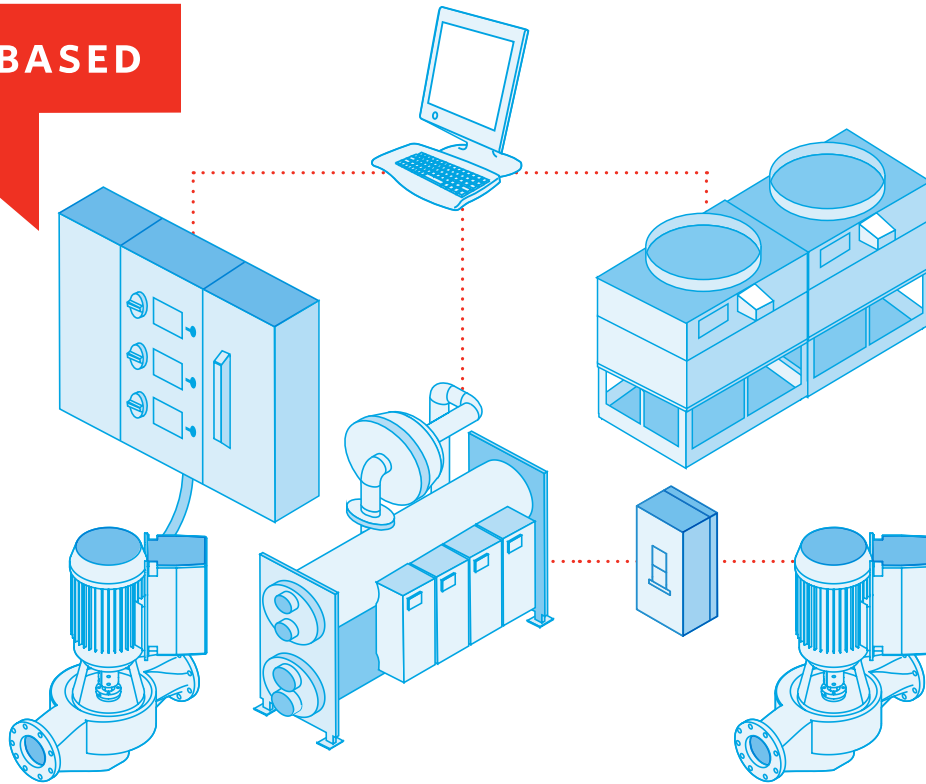
EDUCATION



DEMAND-BASED CONTROL

Typical project

Solutions include electrical, mechanical, automation, ventilation, auxiliary components and controls on a structural framework. Demand-based Design Envelope components enhance energy performance.



DESIGN ENVELOPE

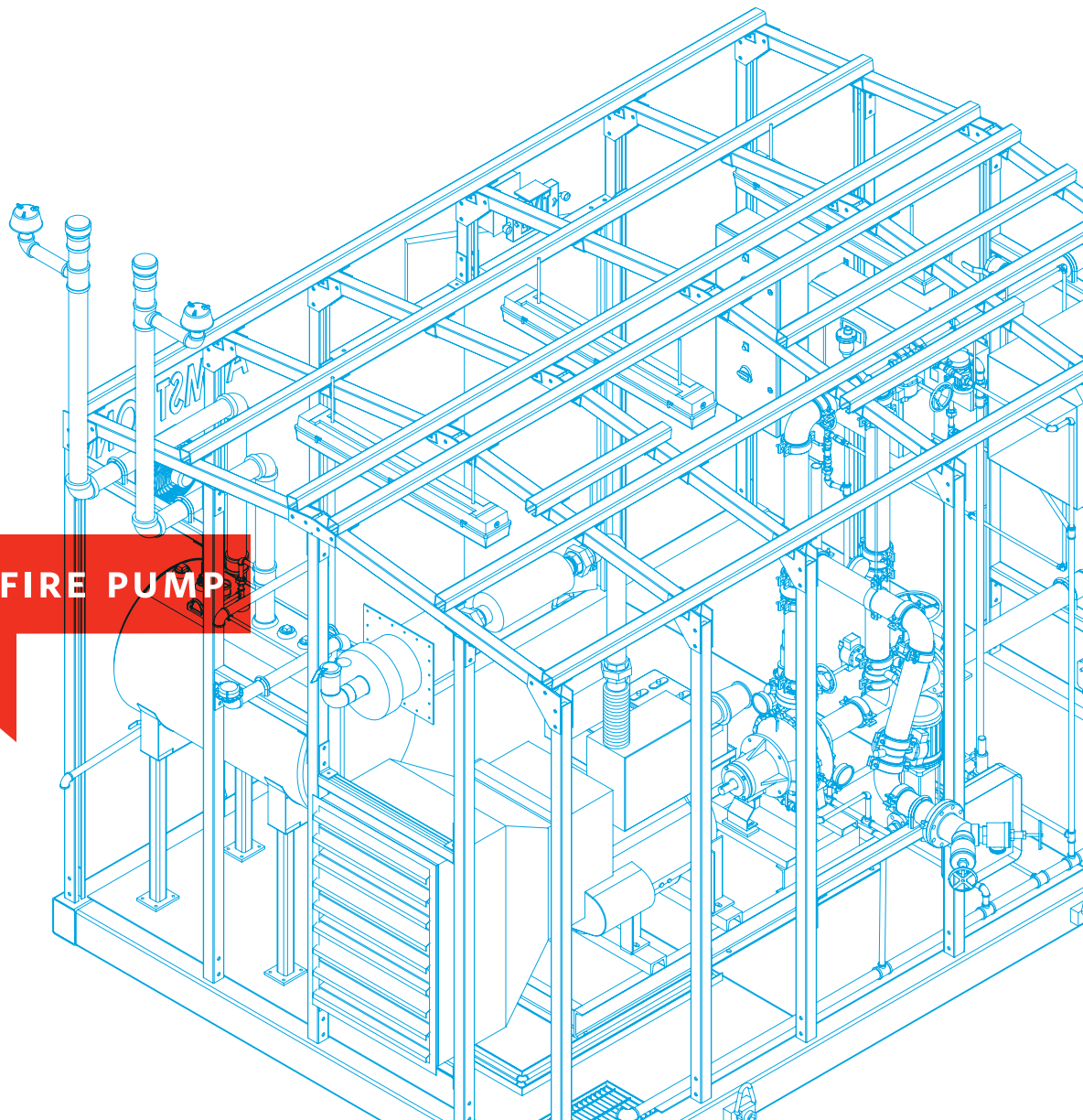
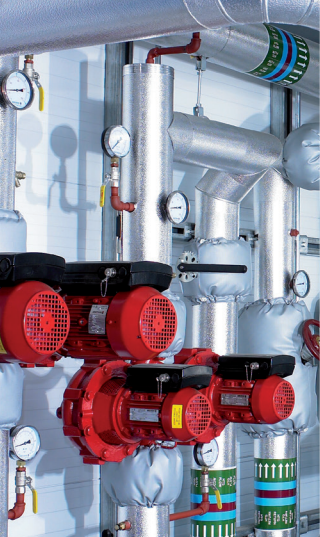
Feed-forward equipment speed control logic

Integrated plant efficiency

Optimum energy efficiency

With the maximum share of work completed in-factory, all that is needed for the completion of the project is to have the packaged plant connected on-site, Armstrong's packaged plants feature insulated structural design, matching or exceeding building code requirements.





ENCLOSED FIRE PUMP PACKAGES

Available as single electric, single diesel, one electric plus one diesel, two electric, or two diesel configurations. Optional features include tamper switches, test header lines, city by-pass and flow meter loops with all required piping and valves.



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