

DELIVERING UTILITY SOLUTIONS FOR THE

FOOD INDUSTRY.

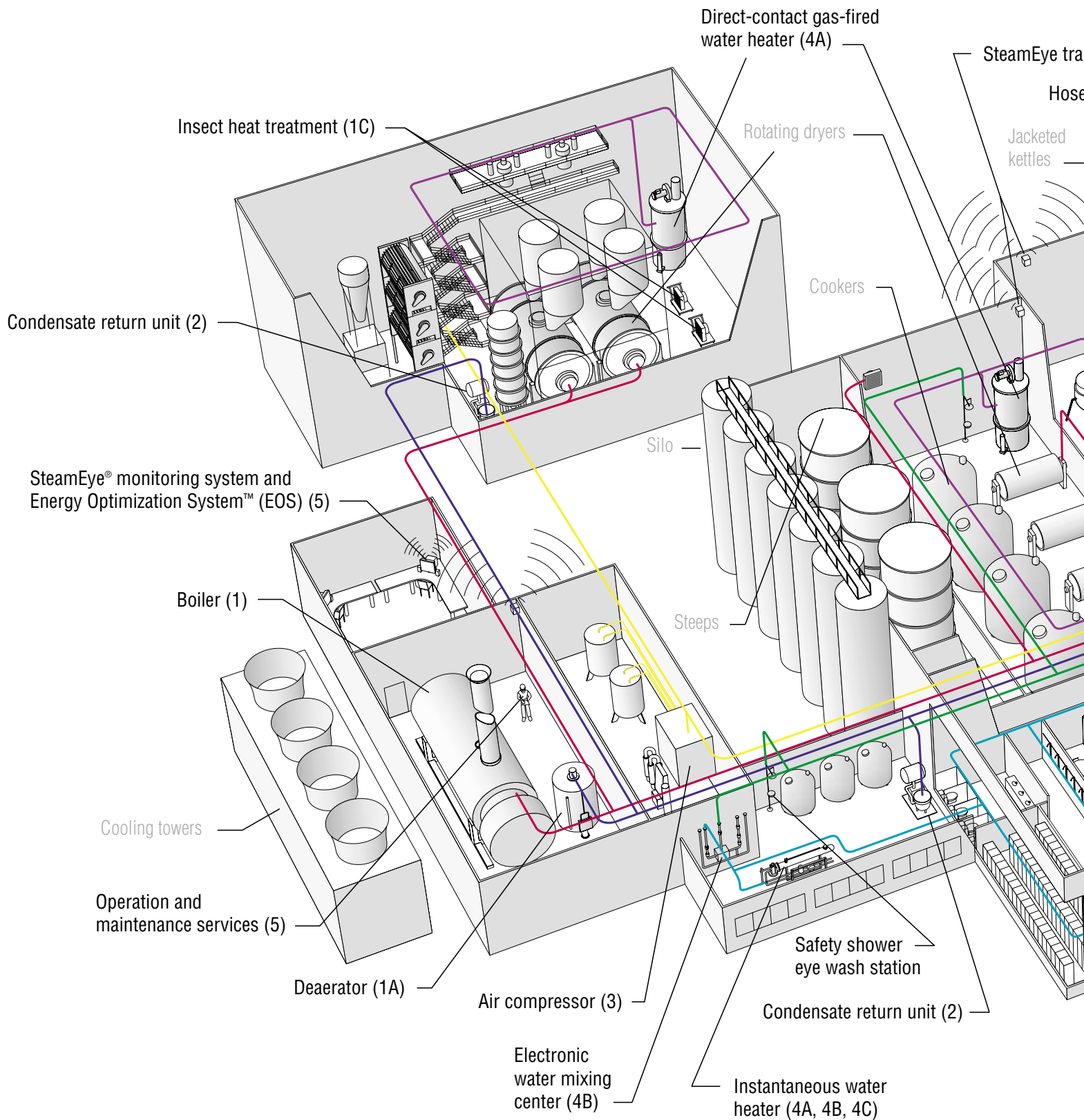


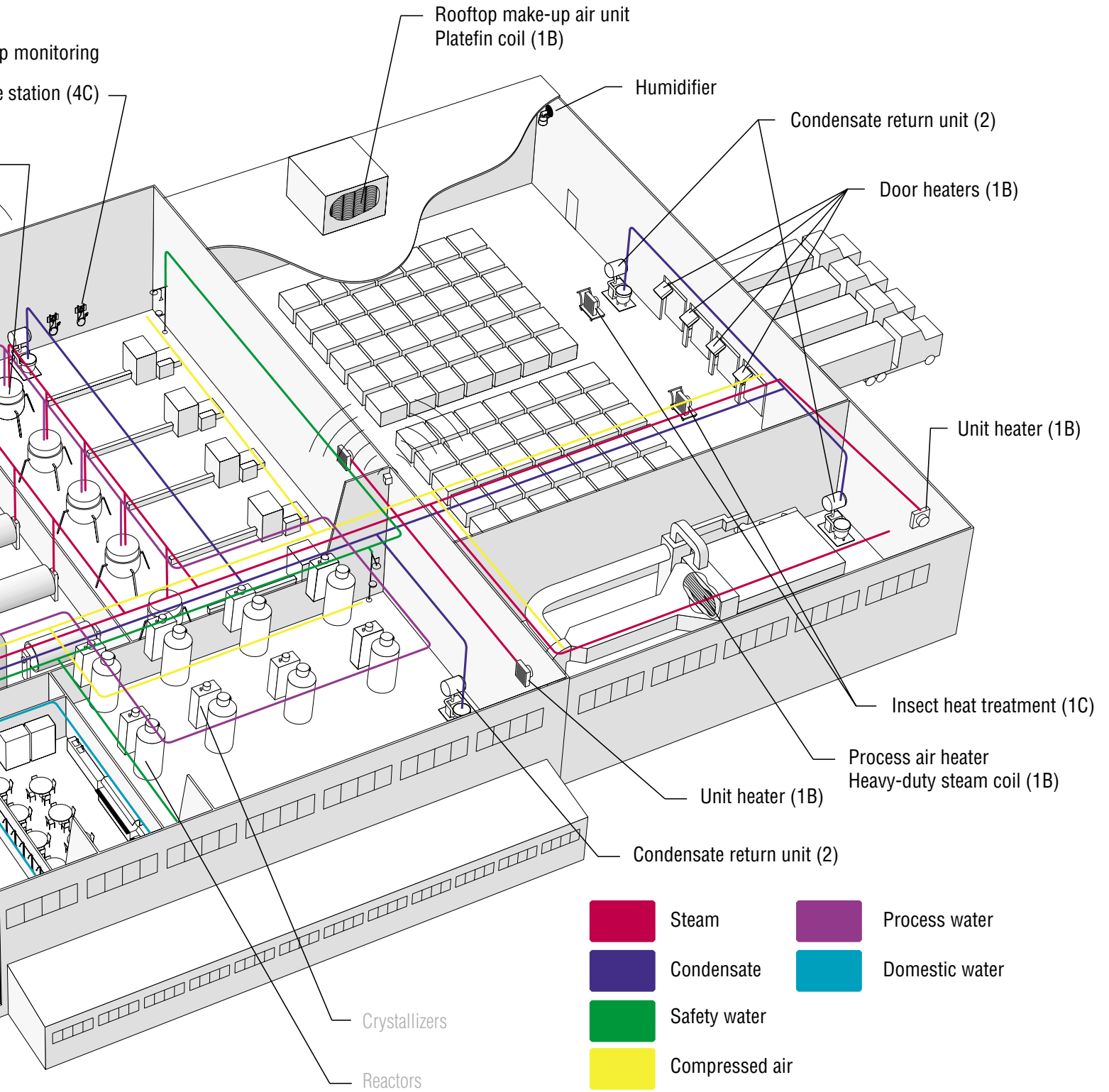
Armstrong®

Intelligent System Solutions™

STEAM • AIR • HOT WATER

STEAM, AIR AND HOT WATER SYSTEM SOLUTIONS FOR YOUR FOOD FACILITY.





Armstrong products and services are shown in bold type.

Steam Systems (1)

Taking full advantage of a steam utility depends on a thorough understanding of its potential and properties. The more you know, the greater the benefit you'll enjoy. To say it another way, the more you know about steam and how to control and use it, the greater the return on the investment in a steam system. Without proper installation in a well-designed steam system, even the best products will not perform at maximum efficiency. Proper installation of Armstrong steam products and regular evaluation will help you get the most from your steam equipment, which will in turn enhance the overall efficiency of your steam system. Our steam specialists can help you properly size and select other steam products – including boilers and heat transfer equipment – that will most efficiently utilize steam at its points of use. **Heat and Flash Steam Recovery (1A)** – Flash steam and heat recovery is important when you want to get the most for your energy dollar. We can design and engineer the most appropriate system for you. Every pound of steam saved is a pound that does not have to be produced by the boiler. **Heat Transfer (1B)** – Armstrong's vast thermal knowledge, combined with superior product and service, makes us uniquely qualified to optimize your heat transfer equipment, decreasing energy use while increasing product throughput. Armstrong heavy-duty coils are recognized in the industry for their long life, which means more effective process air-drying throughout your facility. We can make recommendations that will improve all your process heat transfer equipment. **Heat Treatment for Insect Control (1C)** – Effective January 2005, methyl bromide can no longer be used to control insects in food facilities. This means that plant managers must find new pest-control treatments. Armstrong has the products and services that provide an effective, industry-accepted alternative in heat treatment for insect control.

Condensate Improvement (2)

Of all the methods available for conserving energy, returning condensate is among the most fundamental. You need an efficient condensate management program, and Armstrong can help you achieve that. We have designed, engineered, supplied products for and installed many condensate improvement systems in these three areas:

Removal – Condensate improvement means removing water, air, gases and dirt so heat transfer can occur. Armstrong has the products and services that will help you efficiently remove condensate from your steam system. **Retrieval** – Condensate improvement also means effectively retrieving more hot water, which saves fuel, water and chemicals.

Contamination – Armstrong can design and install systems that sense contaminants, locate the source, and appropriately divert those contaminants to help protect your boilers and reduce energy costs.

Compressed Air Systems (3)

Your compressed air system plays a key role in the success of your operation. However, many food facilities operate at less than peak efficiency. The result? Wasted energy and diminished productivity. We'll conduct compressed air system assessments to detect leaks and determine airline system efficiency. Addressing your specific air compression needs will result in a more efficient air system.

Hot Water Systems (4)

Generating, distributing and controlling hot water are primary concerns of all food facility managers. Armstrong takes the worry out of your hot water with a variety of products for process, safety and sanitary water systems.

Process Water (4A) – Armstrong has the products to deliver the industry's most efficient and effective methods for heating large amounts of water for process. **Safety Water (4B)** – Our mixing valves have been designed to meet ANSI Z358.1 standards, providing consistent, tepid water to safety showers. **Sanitary Water (4C)** – With Steamix® hose stations, we can also help ensure sanitary water for washing down your equipment.

Service Solutions (5)

In addition to energy- and cost-saving products, Armstrong provides turnkey installation, operation and maintenance services, system assessments and steam trap management. Additional services include offering a “best-practices” database for site operators. Our proprietary Energy Optimization System (EOS) software allows you to monitor and remotely control your utility systems. The site operator can then troubleshoot and offer product and service recommendations.

LET ARMSTRONG OPTIMIZE YOUR FOOD UTILITY SYSTEM.

Products • Engineering • Installation • Operation and Maintenance



For more than 100 years, Armstrong has been providing utility system solutions through products, education, training and service. Because we know food plant managers

are always looking for ways to make their facilities more efficient, we offer total system solutions



for steam, air and hot water. Armstrong begins by examining your utility systems to assess your needs.

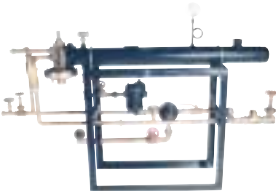


We conduct a series of steps that will ultimately determine the most effective way to correct any inefficiencies found in your facility's utility system.



Our trained specialists will visit your location for walkthroughs, providing detailed

steam, air and hot-water system assessments and system performance evaluations. After thoroughly analyzing



the results, we can target areas for improvement. And while there may be more than one possible solution, we will recommend and implement the one that

will be of greatest benefit to you. This customized solution is designed not only to

enhance the efficiency of your utility system today, but to continue to pay dividends



years from now in more efficient energy production and lower operating costs. It is Armstrong's years of experience

and in-depth knowledge of energy systems that will ultimately make the difference in your bottom line.

For more information, visit www.armstrong-intl.com/food,

call (269) 273-1415, or e-mail marketing@armstrong-intl.com.





ARMSTRONG – YOUR GLOBAL PARTNER IN UTILITY SYSTEM MANAGEMENT.

Armstrong owns, operates and maintains utility systems in facilities around the world – all of which are serviced by our utility experts. Armstrong is the world leader in energy system optimization, drawing on more than 100 years of knowledge and expertise to help our customers optimize the efficiency of their utility systems. For more information and the name of your nearest Armstrong sales representative, visit www.armstrong-intl.com.

OPERATION AND MAINTENANCE LOCATIONS.

R.R. Donnelley – Los Angeles, Calif.

H.J. Heinz – Muscatine, Iowa

Blommer Chocolate Co. – Chicago, Ill.

Western Michigan University – Kalamazoo, Mich.

Detroit Diesel – Detroit, Mich.

H.J. Heinz – Fremont, Ohio

H.J. Heinz – King of Prussia, Pa.

Mallinckrodt Chemical – Raleigh, N.C.

National Provisions – Miami, Fla.

Catala Paperboard – Drogenbos, Belgium

Fushun Petrochemical No. 1 – Fushun, China

Fushun Petrochemical No. 3 – Fushun, China

Jilin Petrochemical – Jilin, China

MANUFACTURING LOCATIONS.

Three Rivers, Mich.

Granby, Quebec, Canada

Liege, Belgium

Beijing, China

Komaki, Japan

São Paulo, Brazil



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