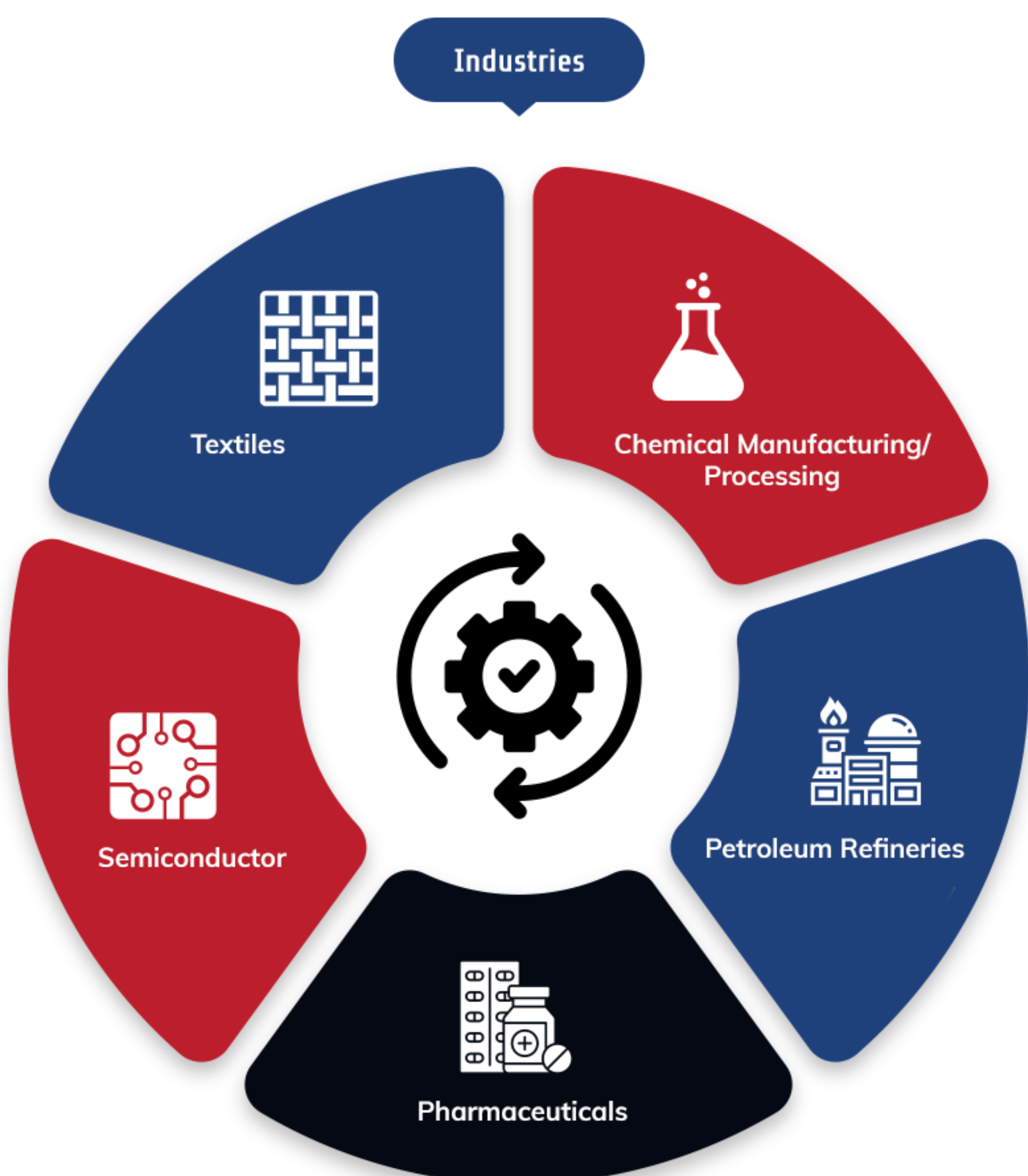
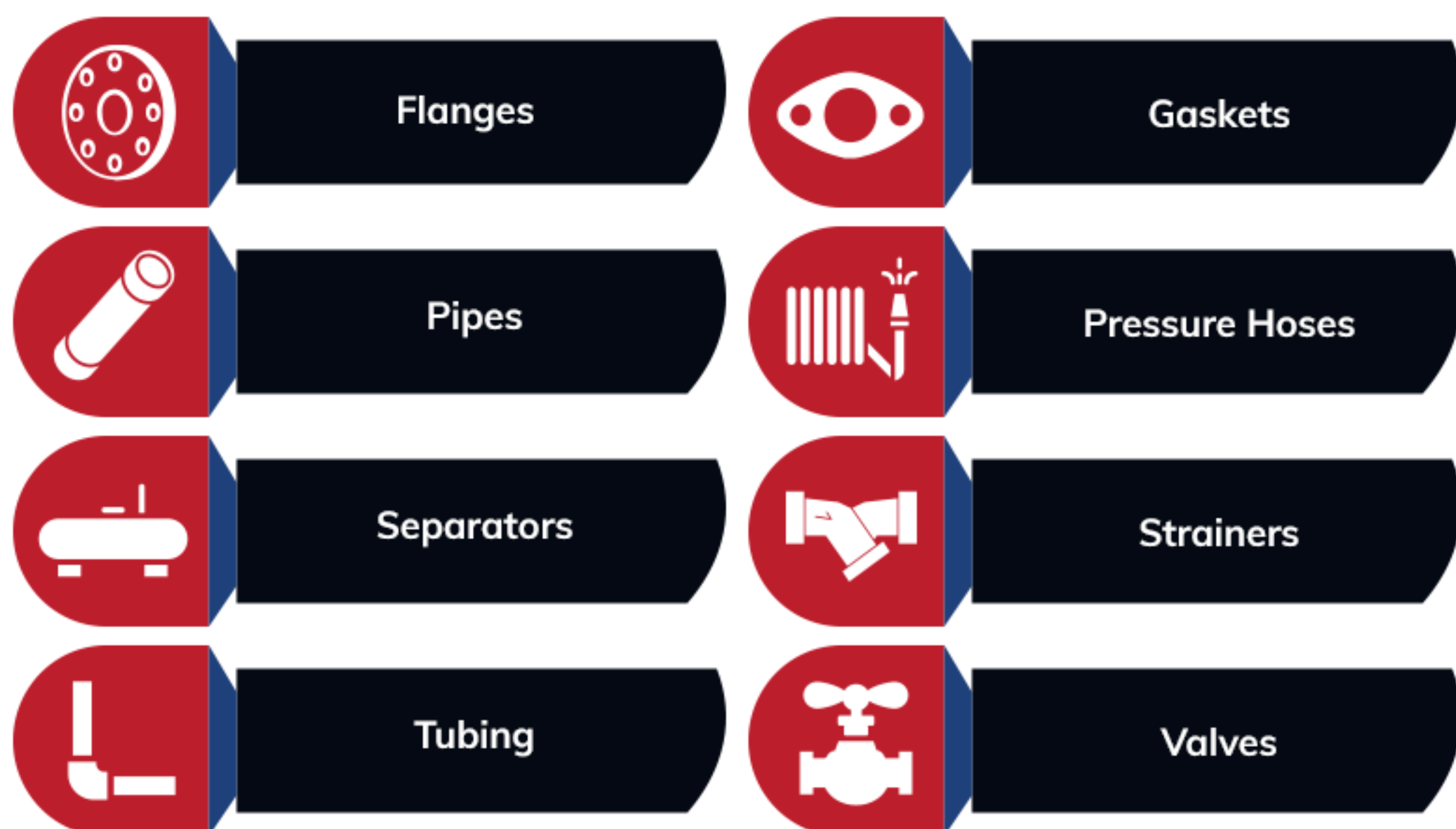


★ PROCESS PIPING? ★

WHAT IS PROCESS PIPING?

Process piping systems include the hardware, pipes, and joining components used for production and processing. This system itself is separate from the building's mechanical or plumbing systems and does not include power processing systems. The general function of process piping systems is to change raw materials and in-process fluids — including gases, liquids, precise chemical formulas, and other fluids — into finished goods. In conjunction with tanks and other process equipment, a process piping system will mix and separate, distribute, stop, or otherwise control the interaction of fluids within the system.

Components in process piping may include:



WHAT ARE THE DIFFERENCES BETWEEN PROCESS PIPING AND PLUMBING?

Process Piping

Process piping must comply with stringent engineering standards that dictate the material and design requirements of each segment in the system. These standards ensure the process piping system safely meets the needs of manufacturing and processing quality requirements. Process piping allows significant flexibility in material choice to suit the varying needs of different process materials.



Plumbing

Plumbing must adhere to local, state, and federal building codes to facilitate the safe movement of water and waste contents in and out of the building. Plumbing systems must follow strict material standards and are often composed of copper or verified materials that won't contaminate the water.



WHY AAF FOR PROCESS PIPING?

The quality of a facility's process piping system often determines the quality of the product they can produce. At AAF, our teams of engineering and design experts have experience creating systems for the biotech, chemical, food processing, and pharmaceutical industries. Our systems meet or exceed ASME B31.3 standards. We work with each of our clients to ensure the final system is custom-designed and expertly built with the right metals and hardware to streamline production processes. Our systems offer optimal control over flow rate, pressure, and temperature.

EXPERT PROCESS PIPING FROM AMERICAN ALLOY FABRICATORS

We can handle the complete custom fabrication of process piping, pressure and plant vessels, storage tanks, and more. Contact us today.



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(610) 635-0205

sales@americanalloyfab.com