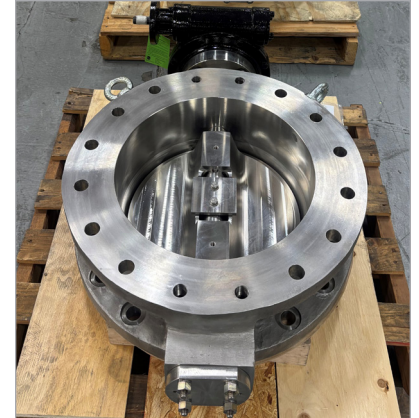
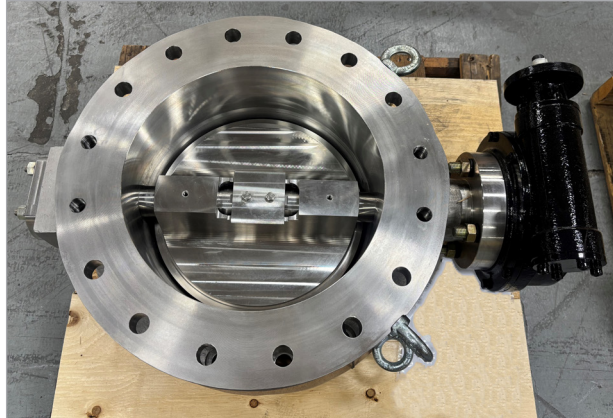


Valve Replacement

Obsolete Safety-Related Butterfly Valves

**CURTISS -
WRIGHT**

Nuclear Power Products and Services



PLANT TYPE

Nuclear Power Plant (PWR)

LOCATION

Midwest United States

CHALLENGE

Original equipment manufacturer (OEM) butterfly valve delivery issues

SOLUTION

Customized drop in replacements meeting customer scheduling requirements

Background

A nuclear power plant in the Midwest region of the United States was experiencing significant quotation lead-times from the original equipment manufacturer (OEM) for four sizes of customized (now obsolete) butterfly valve designs, impacting critical plant restart schedules. The replacement butterfly valves were needed for the plant's Containment Cooling Water system, essential for installation of new heat exchangers.

Challenge

The nuclear plant required the manufacturing and delivery of (4) 12", (5) 16", and (3) 20" manually operated butterfly valves in less than 52 weeks (1-year), all of which have a customized 8" face-to-face dimension. Quoted delivery for these Safety-Related butterfly valves from the OEM was in the 90 week range, far beyond the plant's onsite target date.

Solution

Utilizing teaming partner Ringo Valves located in Zaragoza, Spain, Curtiss-Wright was able to commit to a 48-week delivery supplying these engineer-to-order, Safety-Related butterfly valves under Curtiss-Wright, Enertech's Quality Assurance

Program. Ringo will be manufacturing these valves under their ISO program with Curtiss-Wright performing Commercial Grade Dedication (CGD) activities upgrading the assemblies to Safety-Related per 10CFR50 part 21. This delivery improvement allowed the plant to remain on schedule for critical system overhaul work.

To prevent any future corrosion issues, the valves were comprised of stainless steel, an upgraded materials from the OEM carbon steel designs.

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