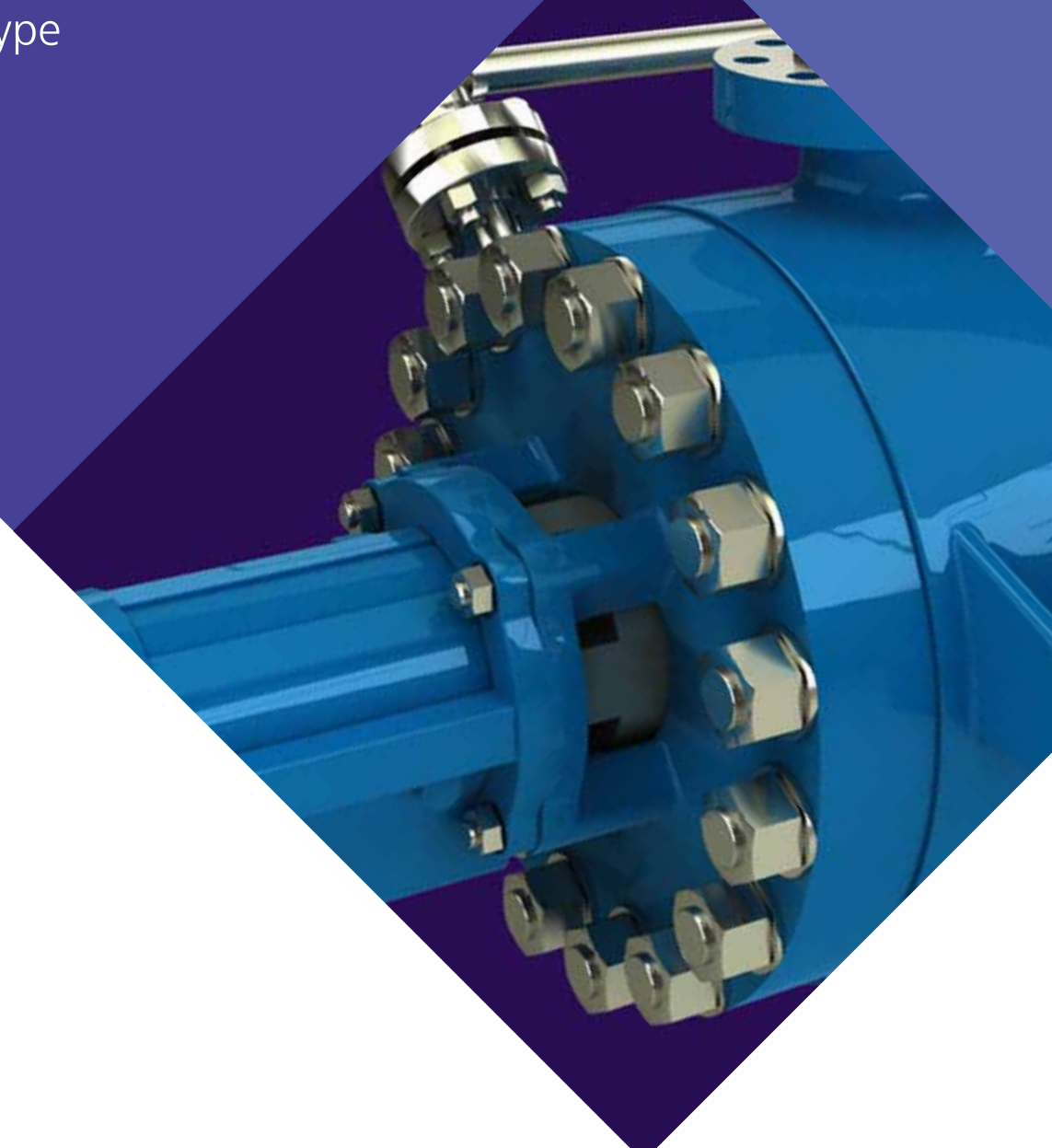




# Goulds 7200CB

API 610 11th Edition / ISO 13709 2nd Edition  
API BB5 Barrel Multistage Pumps  
In-Line Diffuser Type



**ITT**

ENGINEERED FOR LIFE

# Proven API Leadership

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## Complete API Offering

- Over 20,000 units installed
  - Over 3,000 between bearing pumps installed
  - 40+ years of API expertise
- 

## Global Coverage

ITT Goulds Pumps has the global coverage needed to serve multi-national companies in any region.

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## Industry Leading Hydraulic Coverage

- We offer extensive coverage to meet your process needs.
  - Better hydraulic fits can mean improved efficiency and long-term reliability and parts life.
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## 6000 HP / 4600 kW Testing Capability

- Our expanded test facility can test your pump in the most demanding of conditions.
  - Testing at rated speeds is critical to assess the impact of dynamic conditions including vibration.
- 

## API Engineering Expertise

- We package engineered pumps to meet your demanding applications — that fully conforms to the latest API specifications.
  - Engineered Packaging with a wide range of drivers, seals, piping, nozzle conformance, flanges, baseplates, and QC testing.
  - ITT is a world leader in technology and engineering including hydraulics, materials science, mechanical design, and fluid dynamics.
- 



# GOULDS API PORTFOLIO

API Type	Goulds Model	Capacity GPM (M <sup>3</sup> /Hour)	TDH Feet (Meters)	Temperature °F (°C)	Pressure PSIG (kg/cm <sup>2</sup> )
OH-2	3700	8500 (1930)	1200 (360)	800 (425)	870 (60)
OH-3	3910	6000 (1360)	750 (230)	650 (340)	600 (42)
BB-1	3610	50000 (11355)	700 (215)	300 (150)	300 (21)
BB-2	3640	7500 (1700)	2500 (760)	850 (455)	1130 (75)
BB-2	3620	20000 (4540)	1500 (455)	850 (455)	1000 (70)
BB-3	3600	8500 (1930)	9000 (2740)	400 (205)	4000 (275)
<b>BB-5</b>	<b>7200CB</b>	<b>4000 (910)</b>	<b>9000 (2740)</b>	<b>800 (400)</b>	<b>4000 (275)</b>
VS4	API 3171	3180 (720)	525 (160)	450 (232)	750 (50)
VS1	VIT	70000 (14760)	3500 (1060)	500 (260)	2500 (175)
VS6	VIC	70000 (14760)	3500 (1060)	500 (260)	2500 (175)

Goulds 3700



Goulds 3600



Goulds 3620



Goulds 3610



## Goulds 7200CB

High Temperature, High Pressure  
Low Specific Gravity BB5 Barrel  
Pumps for Critical Services.

- **Capacity** to 4000 GPM (910 m<sup>3</sup>/h)
- **Total Dynamic Head** to 9000 feet (2740 m)
- **Temperature** to 800°F (425°C)
- **Pressure** to 4000 PSIG (275 Bar)
- **Operating Speeds** to 6000 RPM



Trusted technology.



# Model CB upgraded to 11<sup>th</sup> edition Over 30 years of successful installations.



## Proven Reliability

Properly designed balance drums are critical to a BB5 pump's reliable control of axial thrust forces. We exhaustively test the pumps over the allowable flow range and over the range of allowable wear clearances (1x to 2x clearances) to determine the range of axial thrust forces to properly size the balance drum. The result is reliable operation over the range of allowable conditions.

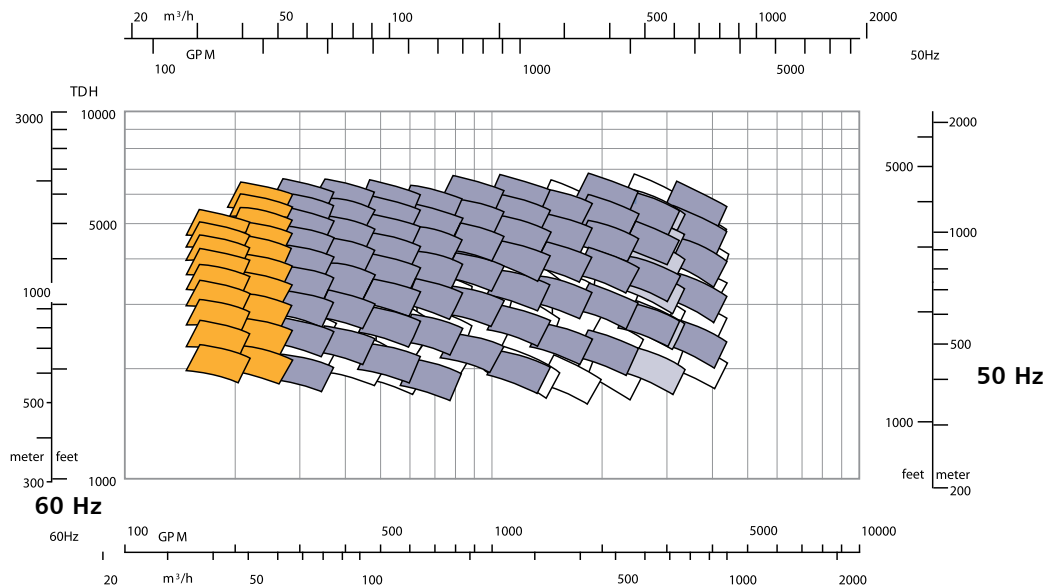
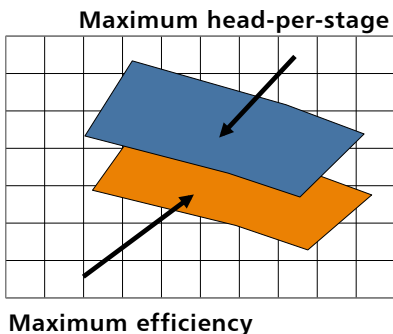
## Easy Maintenance

For Model 7200CB pumps, customers can quickly dismantle and remove the complete cartridge using our BB5 cradle tool. The pump casing and nozzles remain connected to speed removal.



## World Class Hydraulics

There are two sets of curves available. One set is optimized for maximum head-per-stage while a second set is optimized for maximum efficiency.



# Goulds 7200CB

API 610 11th Edition / ISO 13709 2nd Edition  
API BB5 Barrel Multistage Pumps  
In-Line Diffuser Type

**Impeller Arrangements**  
In-line diffuser type design.

**Diffusers / Impellers**  
Metal to metal stage casing fits. Key driven and shrink fit impellers secured against axial movement in both directions.

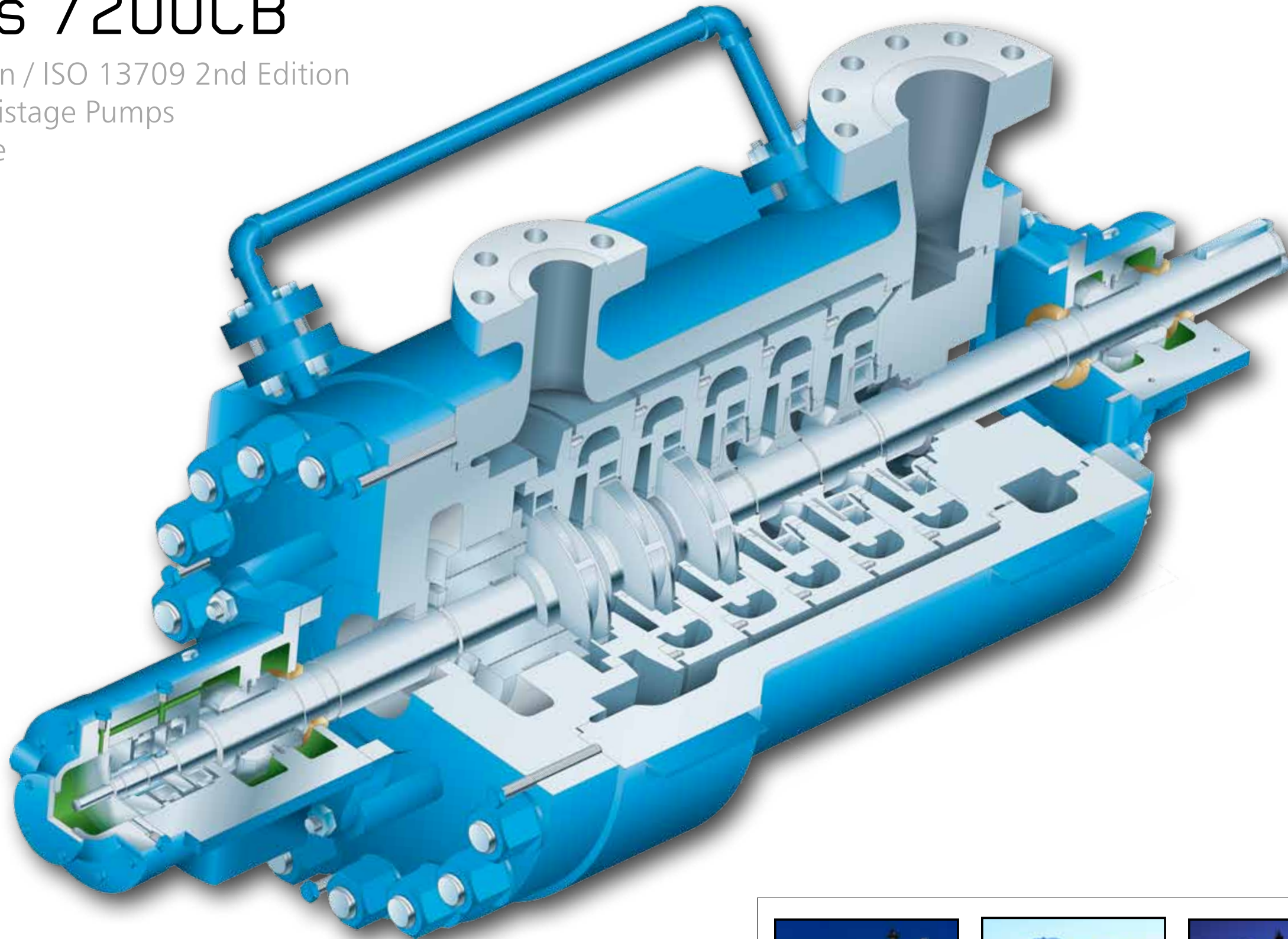
**Fully-Shrouded Diffuser Standard**  
Increases reliability by nearly eliminating diffuser fatigue.

**Low Vibration Design**  
Precision investment impeller castings and dynamically balanced rotor for low vibration.

**Robust Rotor Design**  
With large stepped shaft and higher  $L^3 / D^4$  ratios

**Pull-Out Cartridge Assembly**  
Stage casings sealed by discharge pressure. Cartridge removed on larger pumps with cartridge assembled.

**Barrel Outer Casing**  
Centerline mount, radial split, full design pressure. Cast barrel and nozzles. Custom nozzle locations / orientation available.



**Balance Drum**  
Designed over allowable flow range and clearances to reliability balance axial forces.

**Rigid 360° Bearing Bracket**  
For heavy duty service and low vibration levels.

**Bearings**  
Ball radial and duplex thrust. Pressure lubricated sleeve radial / tilting pad thrust. INPRO™ frictionless isolators

**Flanges**  
Heavy duty class 900#, 1500#, and 2500# RF or RTJ flanges. 600# and 900# available on suction flange.

**API 682 Seals**  
Accept a wide variety of seals, seal options and flush plans per API 610 and API 682.

**Integral Wear Parts**  
Variety of API metallic and API non-metallic materials and coatings available.



# Proven Service Experience.



## Hydraulic Rerates

Processes often change over time - causing pumps to run far from best efficiency point (BEP) with the associated reduction in reliability (MTBF).

We can perform a "hydraulic rerate" to your **existing** BB5 pump - moving the BEP to the left without any hydraulic changes. The modified pump's operation is closer to the BEP with increased efficiency and reliability.



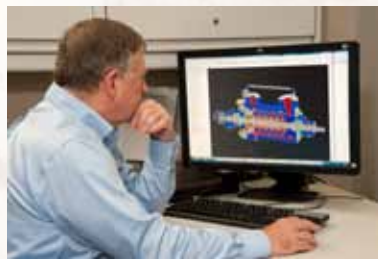
## Drop-in Replacements

Our drop-in replacements allow you to get a **new** BB5 pump without replacing your existing piping and baseplate – saving you \$10,000's in site costs while reducing emissions and improving MTBF.

We customize our BB5 casing nozzles and/or foot locations offering you the best of both worlds – new pump with existing piping and site work.

## Engineered Upgrades for All Brands

Older pumps don't comply with more stringent latest editions of API. This causes many issues ranging from limited use of latest seal designs (API 682), potential seal emissions issues, poor reliability and MTBF, and OEM parts may be obsolete etc. We perform engineered upgrades to your **existing** API Pump (any brand) – upgrading the power end, casing cover, shaft and seals to the latest API standards.



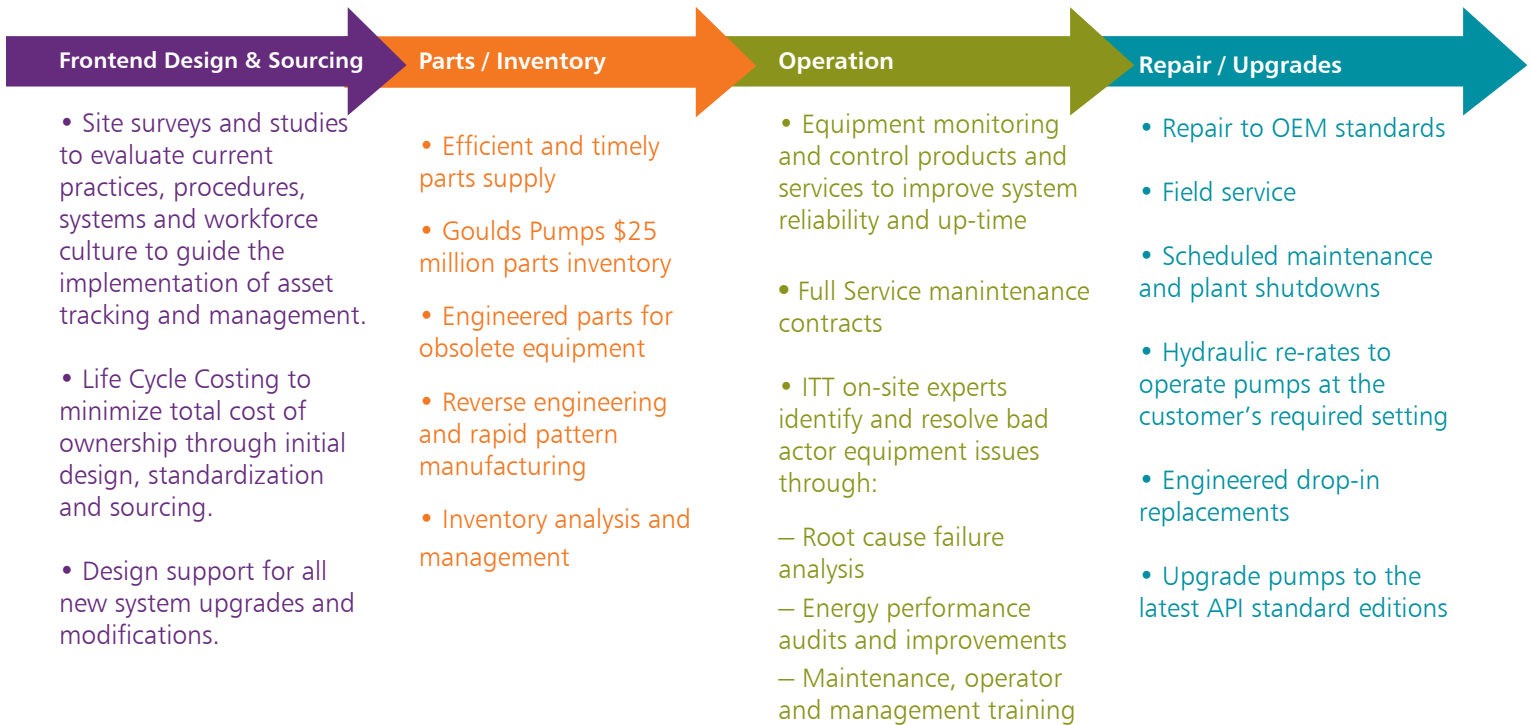
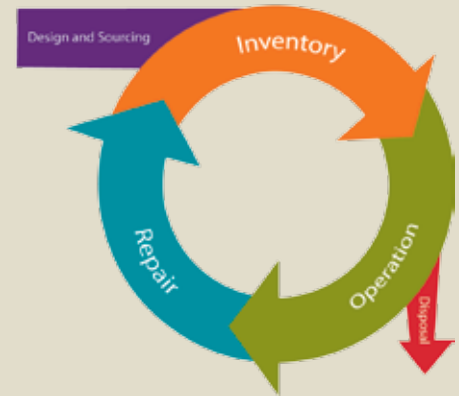
# Reliability has no quitting time.

ITT PRO Services provide  
reliable solutions to all of your  
aftermarket needs.



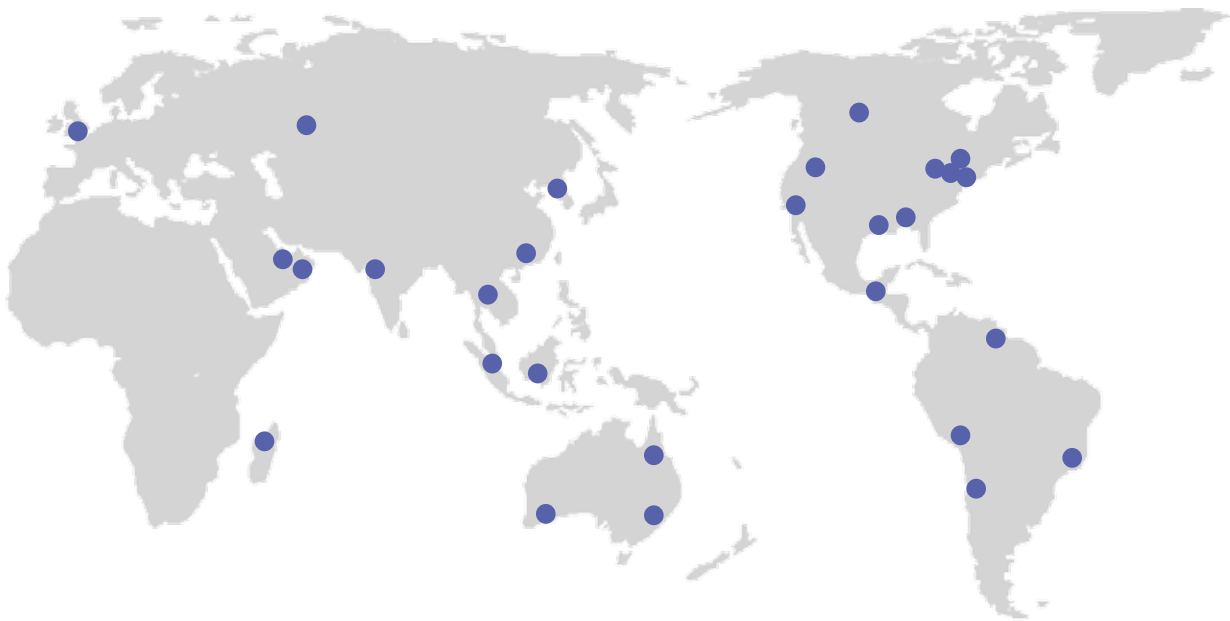
# PRO services

**ITT PRO Services** provides an array of services focused on reducing equipment total cost of ownership (TCO) and increasing plant output, including predictive monitoring, maintenance contract, field service, engineered upgrades, inventory management, and overhauls for pumps and other rotating equipment.



Visit our website at  
[www.gouldspumps.com](http://www.gouldspumps.com)

# Wherever you are, we're there too.



● ITT Production and Service Locations



ENGINEERED FOR LIFE

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