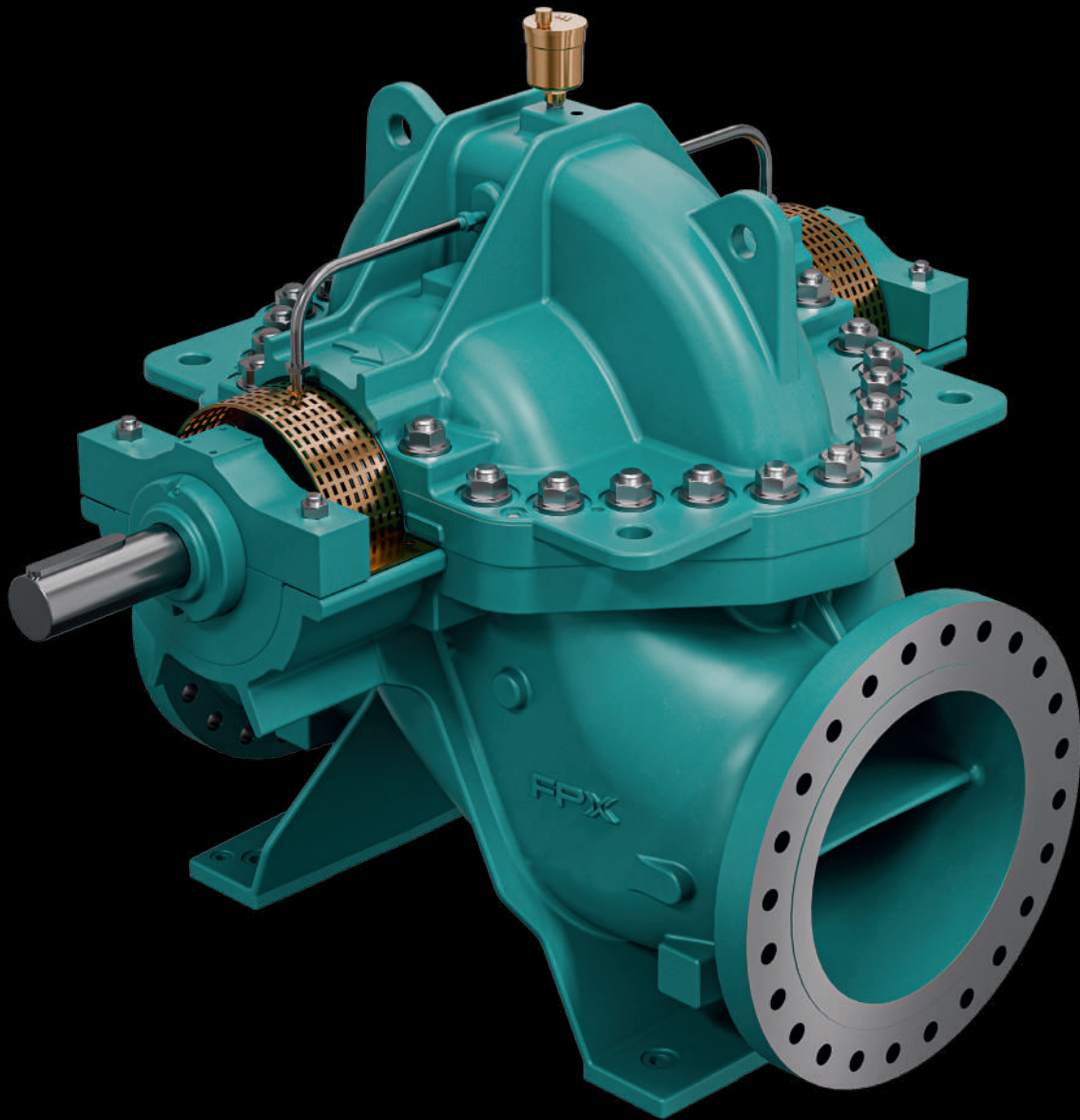


FPX



DELTA

Single Stage Axially Split
Double Suction Pump

RELIABLE, EFFICIENT, VERSATILE

DELTA single stage, double suction, axial split casing pumps are designed and configured to meet the stringent requirements and standards of the water market across a wide range of applications like Drinking water, Sea, and brackish water applications, including:

Water Distribution



Water Treatment



Water Intake



Drainage



District Heating



Drinking Water with special coating WRAS, ACS, etc.

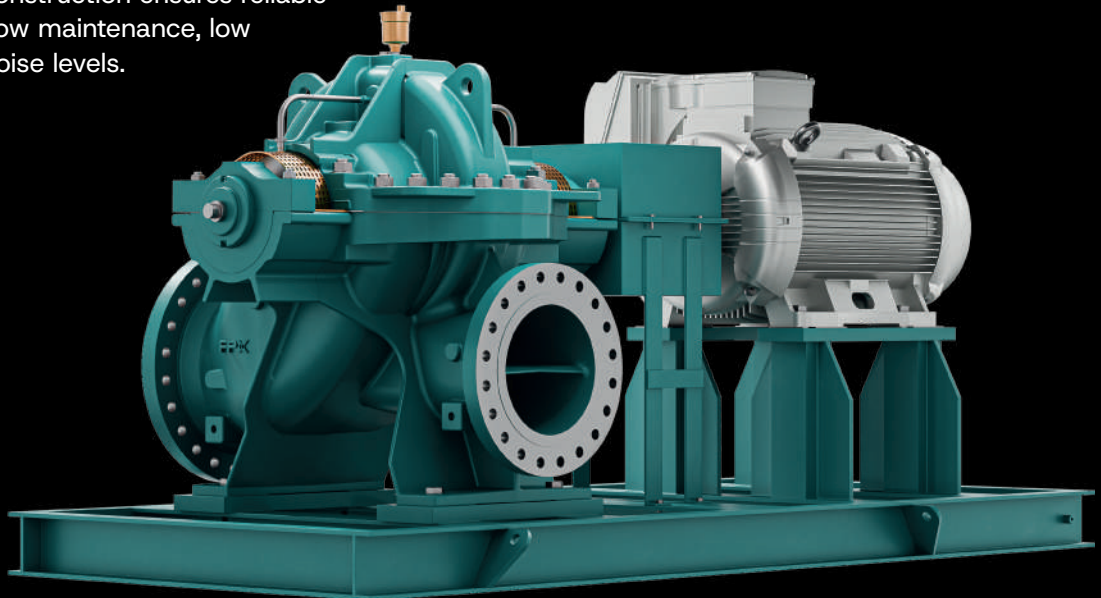


Irrigation



DELTA pumps are designed to suit the various applications of water industry. These pumps can be offered both in Horizontal and Vertical configuration. Flanges can be offered as per DIN, ISO, BS or ANSI standards. To meet the demands of Energy efficiency, DELTA offers best in class hydraulic design and durability. Robust construction ensures reliable performance with low maintenance, low vibration and low noise levels.

DELTA specializes in municipal water treatment, supply, and distribution, where a high degree of standardization enables the most cost-effective solutions and shortest delivery times.



Water and
wastewater



General
industry



Irrigation



Power
generation



Fire
Fighting

PRODUCT FEATURES AND ADVANTAGES

Double suction impeller

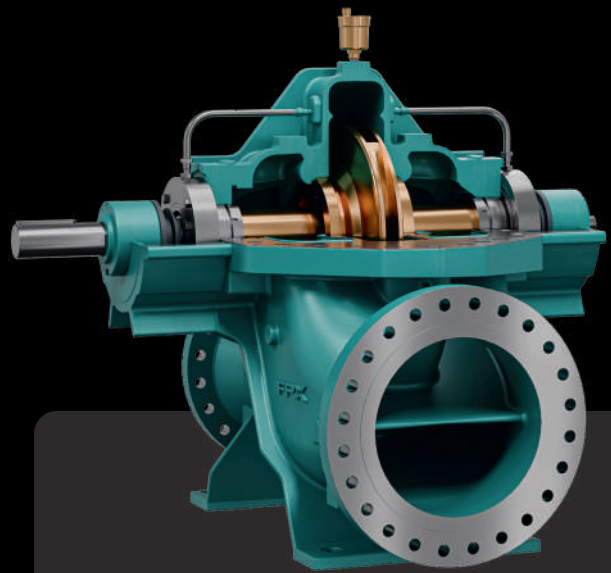
- » High efficiency is maintained across a wide range of flow rates with the support of more than 75 models.
- » Intrinsic hydraulic balance of axial thrust.
- » Low NPSH impellers offers optimum performance.

Ball bearings

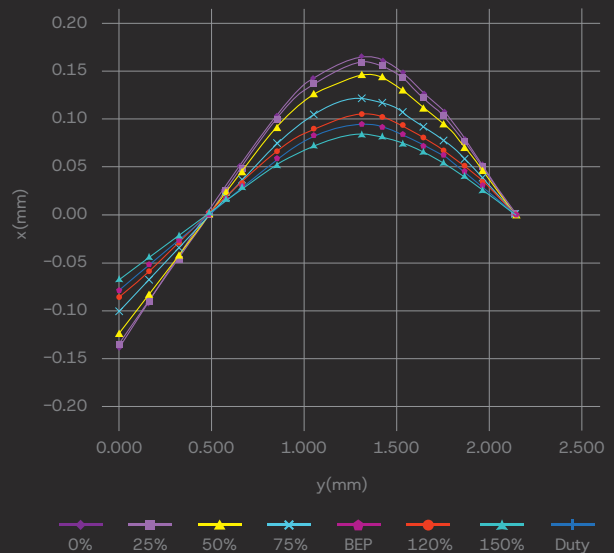
- » Available in grease and Oil lubricated options depending on the application.
- » Durable, compact bearing design enables easy installation and extended service life.
- » Life cycle of upto 100,000 hours.

Double volute casing

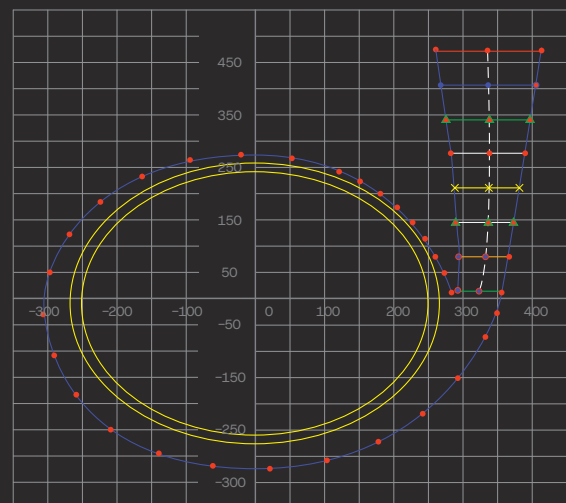
- » Compact design reduces bearing span and enhances shaft rigidity.
- » Optimized radial load balance for smoother operation.
- » Advanced cutwater design minimizes radial load fluctuations and vibrations.



DEFLECTION



SERIES VOLUTE VIEWED FROM
DE (X-Y PLANE)

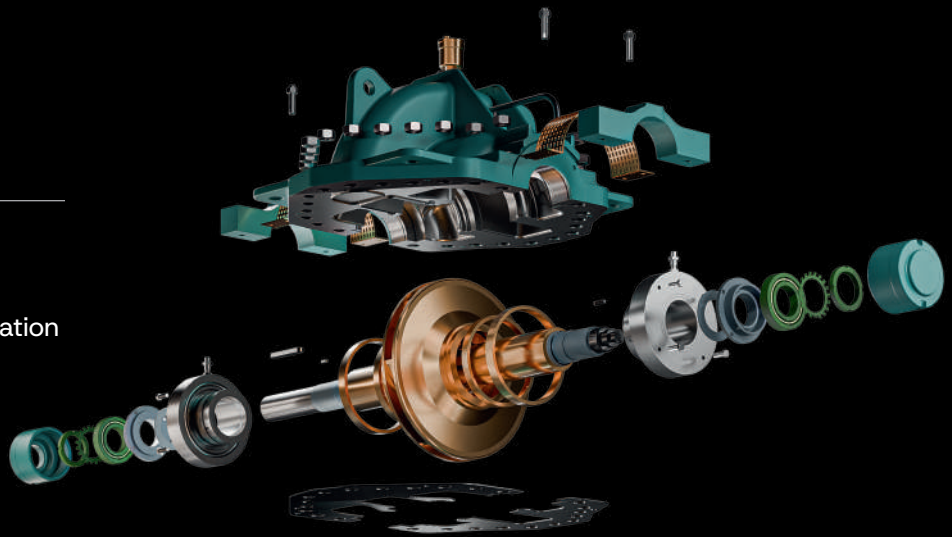


INNOVATIVE CUT WATER DESIGN

PRODUCT FEATURES AND ADVANTAGES

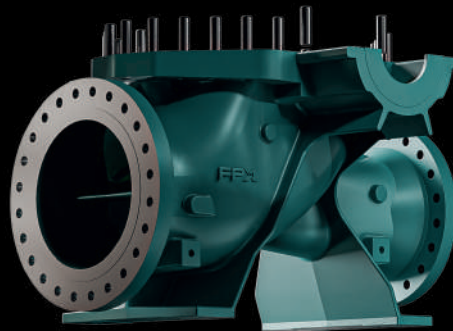
Baseplate

Optimized design of the baseplate ensures uniform bending moment distribution and hence superior vibration control, and enhanced structural integrity.

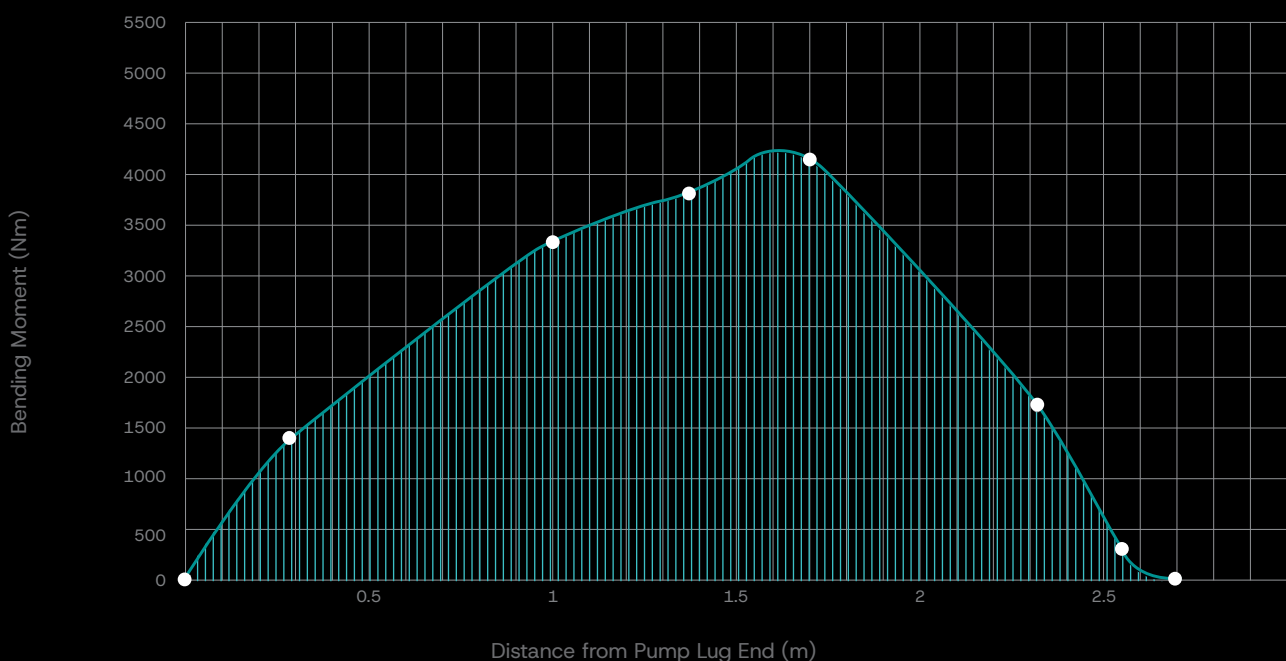


Ease of Maintenance

- » Rotor adjustment by shaft sleeve
- » Precise alignment of casings with use of dowel pins
- » Modular component designs for maximum interchangeability



BENDING MOMENT DIAGRAM



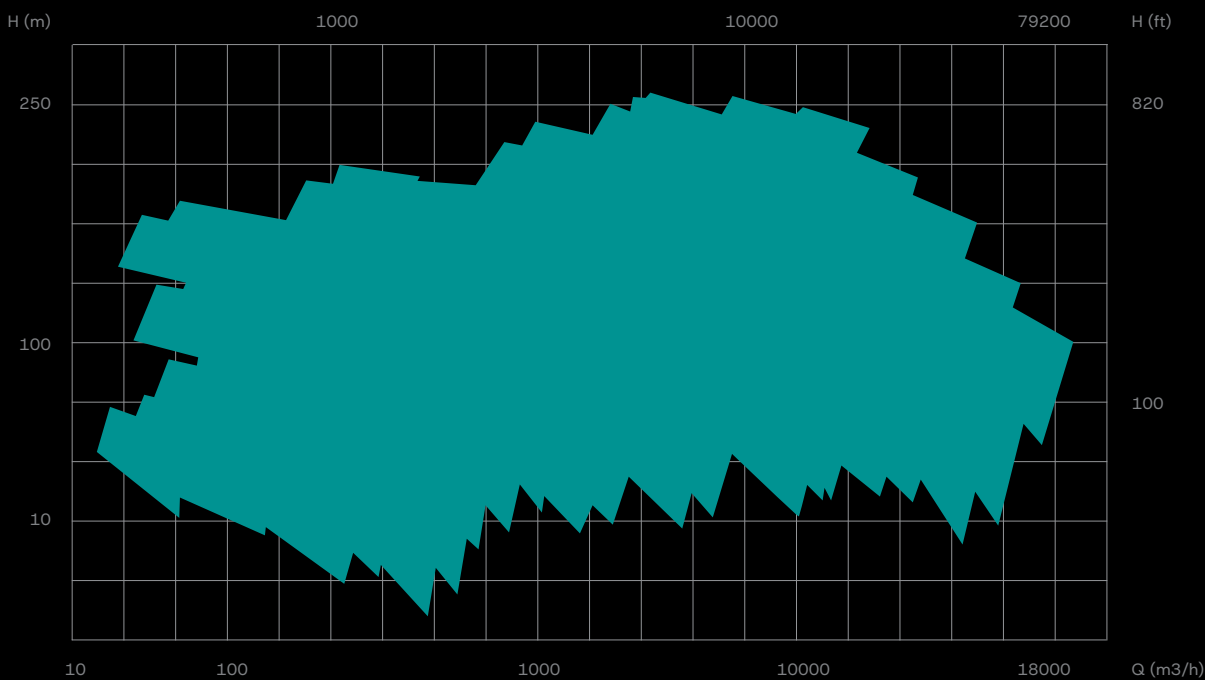
GENERAL SPECIFICATIONS

OPERATING DATA

PUMP SIZES	up to 1.000 mm
CAPACITIES	up to 18.000 m³/h
HEADS	up to 260 m
TEMPERATURES	up to 100°C

PERFORMANCE RANGES

50 Hz



MATERIALS

CASING	Cast Iron, Ductile Iron, Carbon Steel, Duplex Stainless Steel, Super Duplex Stainless Steel
IMPELLER	Bronze, Cast Iron, Carbon Steel, Duplex Stainless Steel, Super Duplex Stainless Steel
SHAFT	Chromium Steel, Duplex Stainless Steel, Super Duplex Stainless Steel
WEAR RINGS	Bronze, Stainless steel, Duplex Stainless Steel, Super Duplex Stainless Steel

ENGINEERING EXCELLENCE, PROVEN PERFORMANCE, RELIABLE RESULTS

At FPX, we specialize in Innovative product and Engineered system solutions that is backed by years of expertise and satisfied customers.

● ————
We leverage advanced engineering tools—Creo, Windchill, CF-turbo, CFD, FEA, and DFMEA — together with a highly qualified team

● ————
Hydraulic and mechanical design as per API, ISO, and ANSI standards

● ————
Hydraulic rerating for changed duty conditions

● ————
Tolerance stack-up

● ————
Material selection studies

● ————
3D parametric design

● ————
Impeller/vane redesign for efficiency improvement

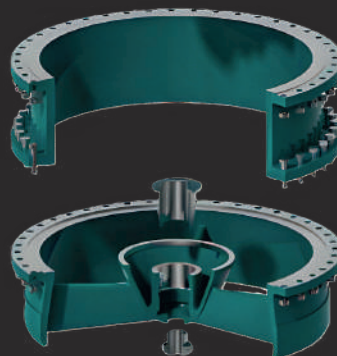
● ————
Reverse engineering of obsolete equipment

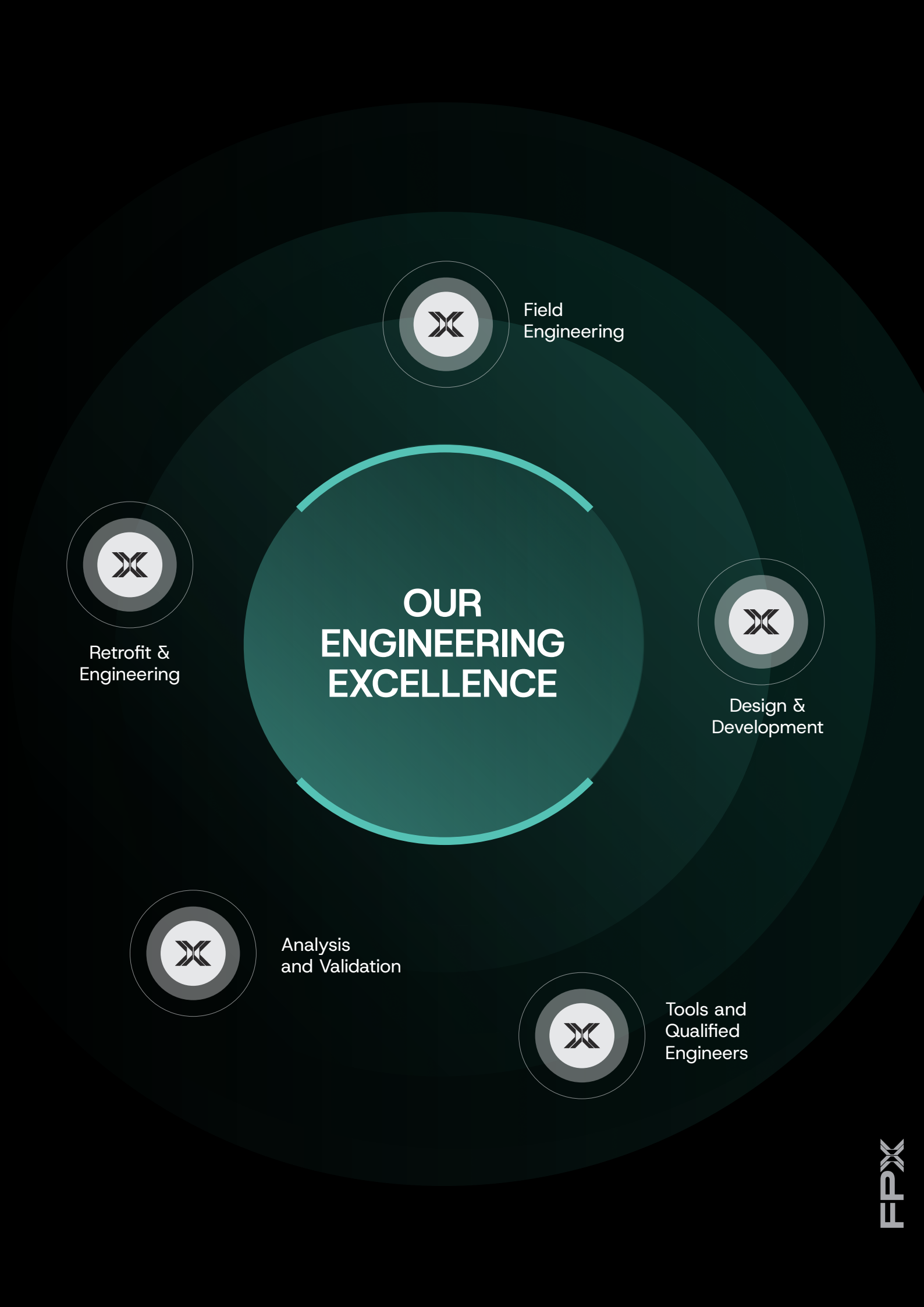
● ————
CFD-based hydraulic performance optimization

● ————
FEA for strength, vibration & thermal validation

● ————
Hydraulic optimization and impeller/blade

● ————
DFMEA for proactive risk mitigation





The infographic features a central teal circle with the text "OUR ENGINEERING EXCELLENCE". Surrounding this central circle are five smaller circles, each containing a stylized 'X' logo. These circles are arranged in a ring around the center. Each circle is accompanied by a text label: "Field Engineering" (top), "Design & Development" (right), "Tools and Qualified Engineers" (bottom right), "Analysis and Validation" (bottom left), and "Retrofit & Engineering" (left). The entire graphic is set against a dark background with concentric teal circles.

OUR ENGINEERING EXCELLENCE

Field
Engineering

Design &
Development

Tools and
Qualified
Engineers

Analysis
and Validation

Retrofit &
Engineering



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