

Company Profile

FPX

Table of contents

01	Company Profile
02	Manufacturing
03	Engineering
04	After sales Services
05	Product portfolio
06	Certifications

COMPANY PROFILE

FPX solutions B.V. is a Dutch company having its Head Quarter in Amstelveen and two manufacturing units located in Rotterdam & Rijen. Our Test Loop for Horizontal and Vertical Pumps is suitable for testing pumps upto 1.500 kW and it is one of the biggest in the Netherlands. Our Middle East regional office and an assembly facility in Dubai, U.A.E help us remain closer to our customers.

Sectors of focus are Water, Waste-Water, Power, Irrigation and General Industries.

FPX group employs more than 100 FTE's and engage them in Manufacturing, Sales, Product & System Upgrades, Spare Parts and Field Service. Global operations are managed through strategic partnerships, Agents and Regional Distributors, thereby offering real time solutions and services to customers and end users.

FPX is committed to value added solutions and cost-effective services. It offers System Engineering, Consulting, Assembly, Commissioning, Repairs, Retrofit, Annual Maintenance Contracts and Installation Services.



MANUFACTURING CAPABILITIES

Manufacturing facility in Rotterdam has been certified by Oil Majors for Services and Products supplies to Refineries, Power plants & Petrochemical plants.

Our customers are able to witness pump performance testing for Horizontal as well as Vertical pumps with power up to 1 MW.

We offer following services:

- › Machining and Assembly
- › Refurbishment & Upgrade
- › Rotor Balancing
- › Quality Control & Testing



MANUFACTURING CAPABILITIES

Manufacturing facility in Rijen for water treatment plant. We offered various configurations of the water treatment plants based on the requirements of the client.

All the skids are built in Netherlands and tested before delivering to the client.



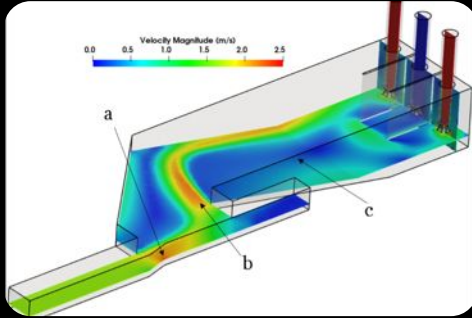
DESIGN & DRAWING CAPABILITIES

We offer following services:

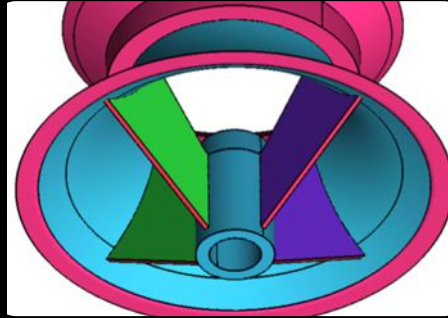
- > 2D and 3D Drawings
- > Design of products, components, complete hydraulic and mechanical Engineering
- > Sump Design CFD studies
- > Physical model studies
- > Vibration & Transient Analysis
- Project management



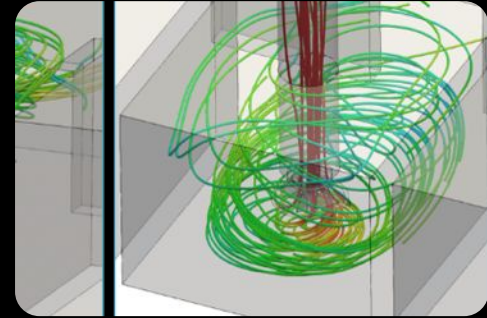
DESIGN & DRAWING CAPABILITIES



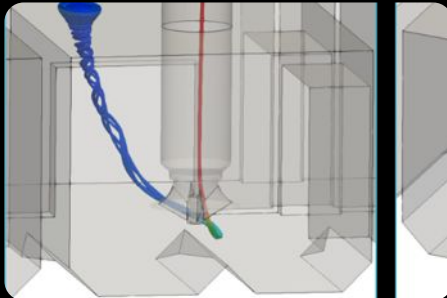
Flow pattern of Intake for cooling water pump



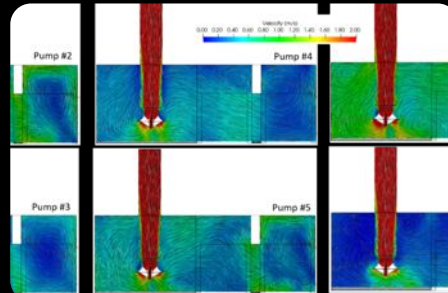
Geometry of Suction bell for vertical Pump



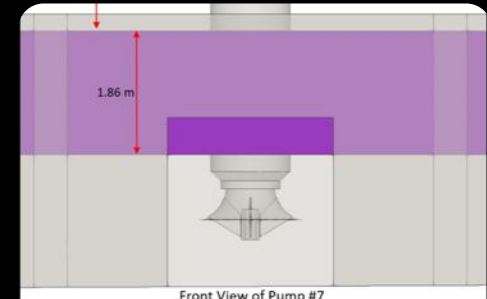
Velocity streamlines at pump inlet



Elimination of Swirls with inclusion of splitter



Velocity contours, Cut Section view at pump center



Proposed Modifications for sump design

FIELD SERVICES

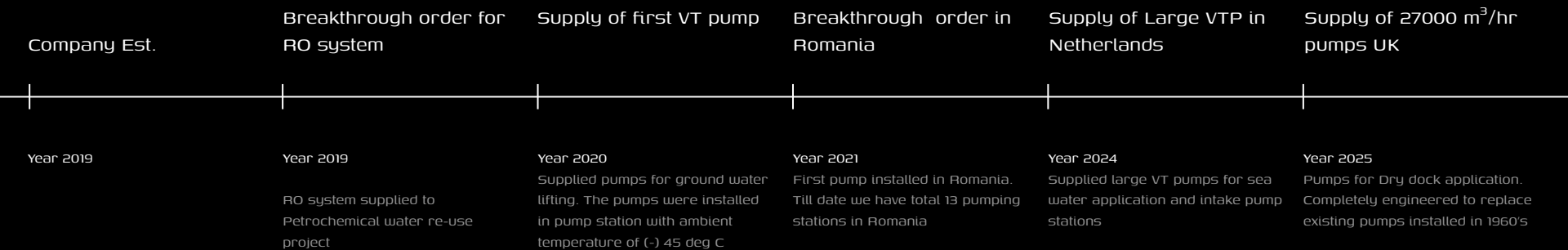
We offer Field service for the industrial equipment like pumps, valves, steam turbines, gensets, mechanical seals and more. You can count on our experts to provide you with sound advice on your service requirements. Whether you need a new installation and commissioning, upgrade, replacement or high-quality maintenance and repair service, you can rely on our service team to deliver quick, efficient and right solution in accordance with global standards.

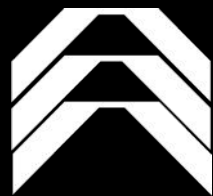
Vibration analysis, laser, alignment, on - site issues, Field inspections and analyses, Condition monitoring are offered to clients as per their requirements.



Timeline

[Detailed timeline \(Add link\)](#)





FLUID MANAGEMENT

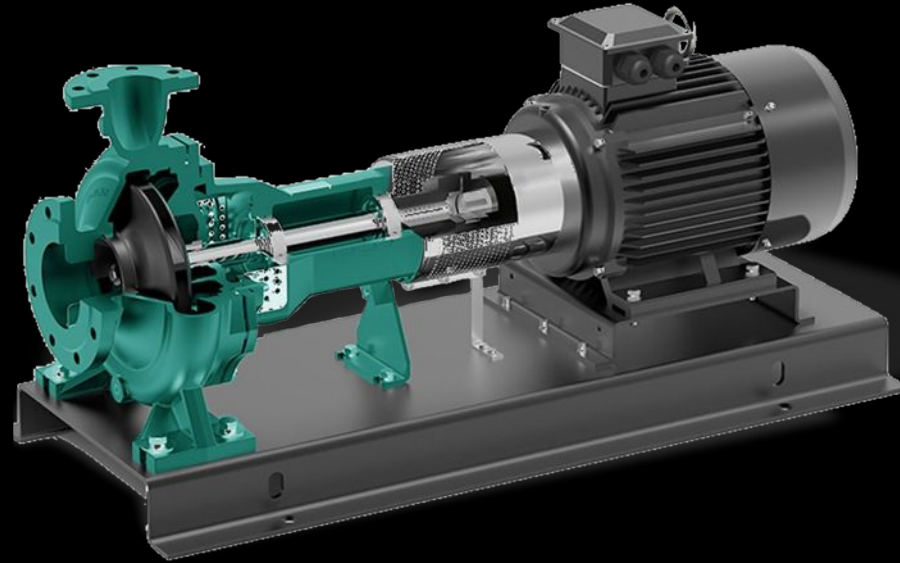
FLUID MANAGEMENT

Our Fluid Management program consists of centrifugal pumps, valves and systems that start from 1 HP and could go upto 5.000 HP. No job is too big or too small for us and our services depend on the system and application requirements of our customer. Since we have limitation to in house testing of pumps to 1.500 KW, higher rated products are offered with model studies, CFD Analysis and guarantee product performance by testing the pumps at site.

We have rich experience in supply of centrifugal pumps for Sea Water lift for cooling applications in the Netherlands, Dry Dock application, installations in Oil & Gas, Power Plants, Irrigation and many more critical installations.

We are trusted by our customers due to very quick deliveries of reliable products & world class service. We cherish confidence of the most demanding customers and over time have created supply references with Oil Majors, Defence sector, Power Plants, general Industries across Europe and Middle East region.

Our services, ideally chosen products and system Engineering ensure that your system operates reliably. We compete with the best in class for quality & quick response time on every installation through our network.





WATER NORM PUMPS (FPES)

FEATURES	End Suction, Back Pull Out, Volute Casing, Radially Split Design EN 733
DN	50 To 300 mm
FLOW	5 to 1500 M ³ /Hour
HEAD	4 to 160 m
LIQUID TEMP.	105°C
SPEED	2900 rpm

VERTICAL INLINE (FEG)

FEATURES	Vertical Inline, Back Pull Out, Volute Casing, Radially Split Design
DN	50 To 150 mm
FLOW	5 to 500 M ³ /Hour
HEAD	4 to 150 m
LIQUID TEMP.	85°C
SPEED	2900 rpm

MONOBLOC (FPES-C)

FEATURES	End Suction, Monobloc, Volute Casing, Radially Split Design
DN	32 To 80 mm
FLOW	8 to 220 M ³ /Hour
HEAD	10 to 95 m
LIQUID TEMP.	85°C
SPEED	2900 rpm



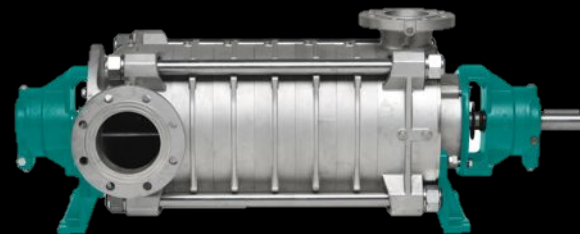
END SUCTION (FCN)

FEATURES	End Suction, Back Pull Out, volute Casing, Radially Split Design ISO 5199
DN	50 To 300 mm
FLOW	5 to 1400 M ³ /Hour
HEAD	5 to 140 m
LIQUID TEMP.	250°C
SPEED	2900 rpm



SPLIT CASE PUMP (DELTA)

FEATURES	Axially split, single or double volute casing,, Enclosed impeller.
DN	50 To 1200 mm
FLOW	30 to 18.000 M ³ /Hour
HEAD	5 to 140 m
LIQUID TEMP.	105°C
SPEED	2900 rpm



MULTISTAGE PUMP (FMS)

FEATURES	Radially split case design, Multistage, Ring section, Diffuser type
DN	50 To 200 mm
FLOW	15 to 500 M ³ /Hour
HEAD	16 to 640 m
LIQUID TEMP.	85°C
SPEED	2900 rpm



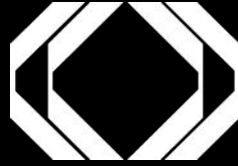
END SUCTION PUMP (ES)

FEATURESxx	End suction, Mixed Flow, Semi Open, Enclosed Impeller, Back Pullout, Volute Casing
DN	250 to 600 mm
FLOW	400 to 6.000 M ³ /Hour
HEAD	25 m
LIQUID TEMP.	90°C
SPEED	1450 rpm



VERTICAL TURBINE (FVT)

FEATURES	Vertical Suspended, Diffuser, Single Stage/ Multistage, Non-Pullout/ Pullout Design
DN	50 To 2800 mm
FLOW	20 to 70.000 M ³ /Hour
HEAD	upto 300 m
LIQUID TEMP.	85°C
SPEED	2900 rpm



WATER TREATMENT

WATER TREATMENT

We have more than 20 years of experience in the technology of Drinking Water, Waste Water and Process Water. We offer Water Treatment Solutions and have affordable, personalised solutions in Water Filtration and Water Treatment. We develop and produce equipment for various applications and as per the specific needs of our customers. We have established dedicated and repeat customers and have references over the year in the field of Water Filtration, Wastewater, Process Water and Consumption Water. We have supply references in Western Europe, Middle East, Eastern Europe and CIS countries.

Following technologies can be offered:

- Reverse osmosis
- > Ultrafiltration
- >





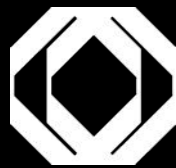
Containerized ultrafiltration unit Naval application



Side filtration with vortex cavitation system to eliminate calcium in cooling water applications



Containerized RO system for Demin water system for LNG plant



VALVES

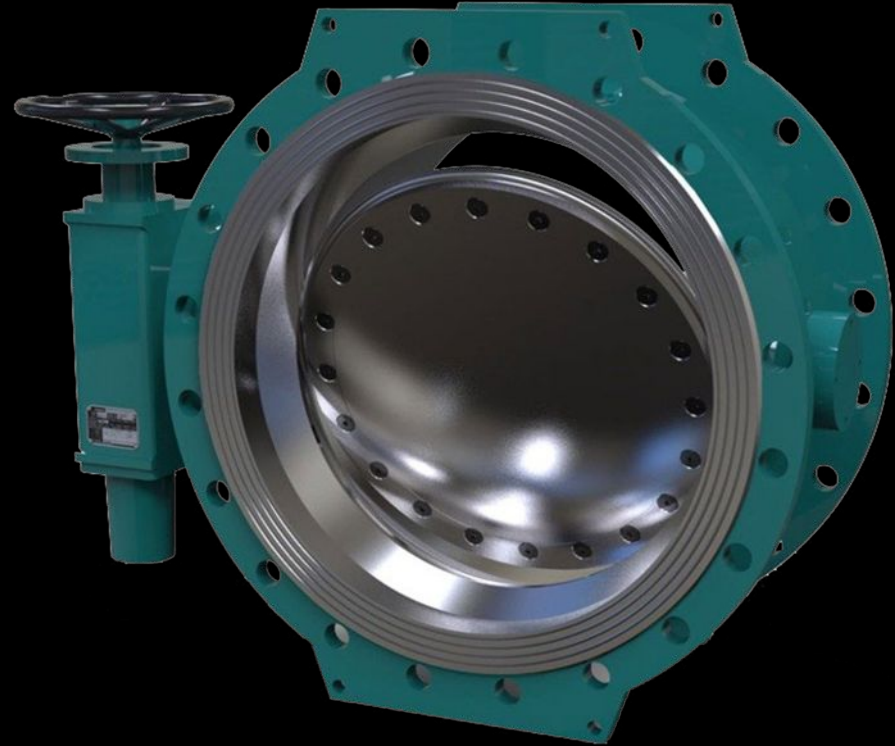
VALVES

We have a wide range of valves with the design, a large stock available for immediate delivery. We cater to requirements from Water, Oil & Gas, Petrochemical and General Industry.

Our products are exported globally from Netherlands.

Our broad range of products includes:

- > Butterfly Valves
- > Globe Valves
- > Gate Valves
- > Ball Valves
- > Check Valves





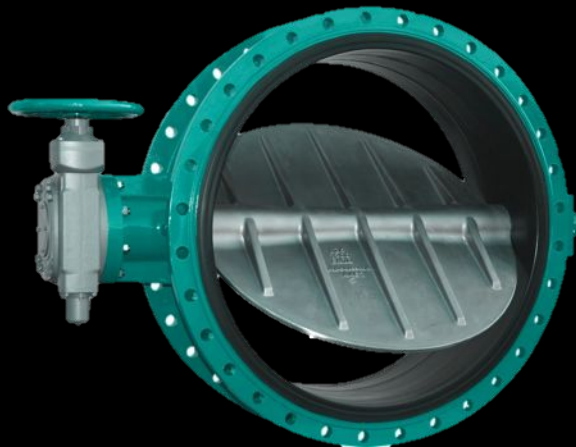
BALL VALVE

FEATURES	Trunnion Mounted Ball Valve, 2/3 piece, FB/RB, Flanged ends
SIZE RANGE	50 NB to 600 NB
PRESSURE RATING	#150 , #300, #600
OPERATOR	Hand lever, Gear Box, Actuator
MATERIAL	Cast Steel, Stainless Steel (special on request)
SEAT MATERIAL	PTFE, Devlon, Nylon, Metal seat.



GATE VALVE

FEATURES	Bolted Bonnet, Pressure Seal Bonnet, Outside Screw & Yoke, Manual Operated / Chain Wheel Operated / Motorised, Position Indicator/ Limit Switches/ Extended Bonnet/ Extended Stem
SIZE RANGE	50NB to 1200NB
PRESSURE RATING	#150 , #300, #600, #900, #1500, #2500
TRIM	All API Trim material available
MATERIAL	Cast Steel, Stainless Steel (special on request)
SEAT MATERIAL	PTFE, Devlon, Nylon, Metal seat.



BUTTERFLY VALVES

RUBBER LINED BUTTERFLY VALVES CENTRIC DISC DESIGN (WAFER/LUG)	
Size Range	40 NB to 200 NB
Pressure Rating	40 NB to 600 NB-PN20 (max) > 600 NB-PN10 (max)
Temperature Range	-25 Deg C to 200 Deg C (Depending on material)
Operator	Pneumatic Actuator/ Electrical Actuator
DOUBLE ECCENTRIC BUTTERFLY VALVES (WAFER/LUG)	
Size Range	65 NB to 2800 NB
Pressure Rating	PN6, PN 10
Temperature	-upto 200 Deg C Pneumatic Actuator/ Electrical Actuator



DUAL PLATE CHECK VALVE

(NRV)-Wafer/Lugged/Flanged ends, Spring Loaded Soft Seat, Metal Seat/ Cast Iron, Steel Body

Size Range	50NB to 1200NB
Pressure Rating	#150, #300, #600
Trim	All API Trim material available
Cast Iron DPCV Rating up to PN 16	50 NB to 450 NB
CHECK VALVES	

Swing Check Valve (NRV)- Bolted Cover, Pressure Seal Cover, Flange ends Dash pot arrangement for non-slam

Size Range	50 NB to 1200 NB
Pressure Rating	#150 , #300, #600, #900, #1500, #2500
Trim	All API Trim material available



MECHANICAL POWER TRANSMISSION

COUPLINGS

We supply wide range of high quality couplings for various industrial application.

We have support manufacturing for the transmission products for supplier to industrial customers and have more than 400,000 coupling supplied globally.

We offer following products to the end users, service companies and stockists..

- > Universal Joints
- > Standard Gear Couplings
- > Flexible Disc Couplings
- > Pin & Bush Couplings





PCPM COUPLING

These couplings give protection and avoid failure of the drive line under high transient torques & ensure continuous operation.



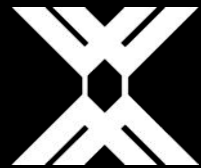
PCRB COUPLING

Achieves low vibratory loads in the drive-line components by selection of optimum stiffness characteristics



PCT-H COUPLING

Used in high temperature blind assembly, in marine applications, rail tractions, etc.

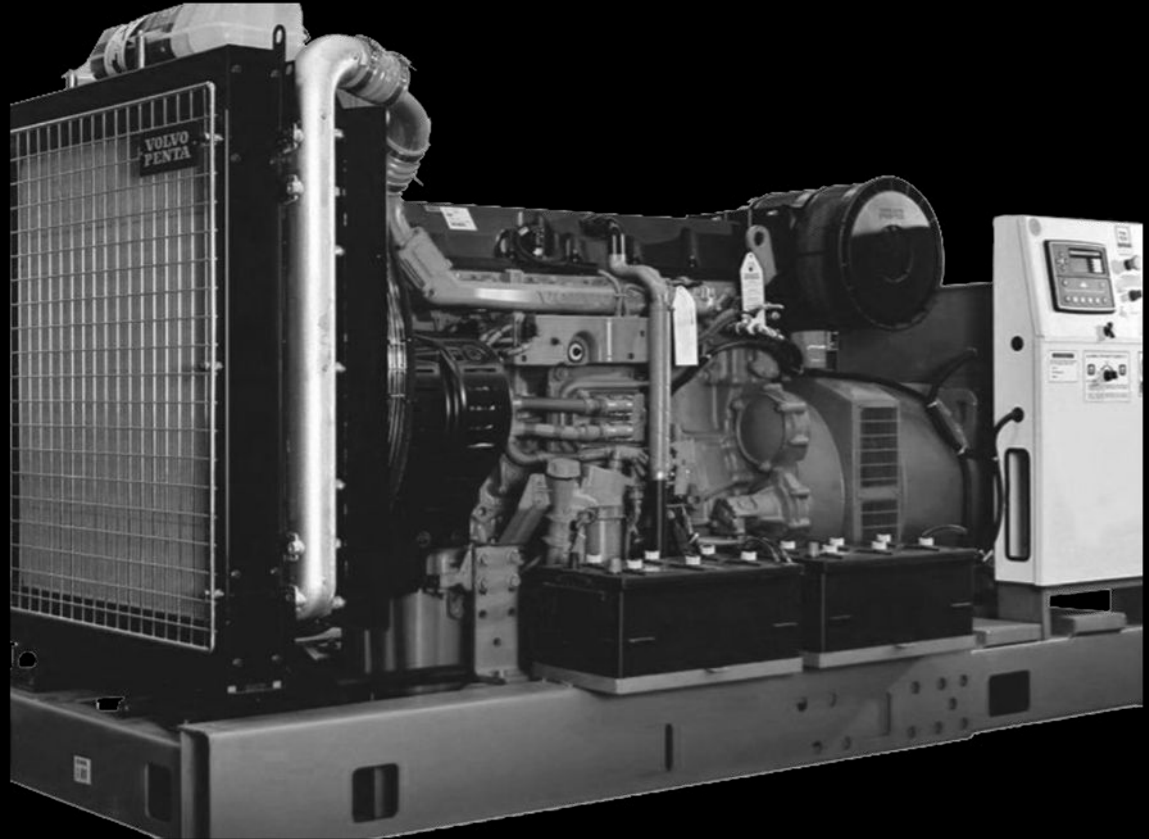


POWER GENERATION

GENERATING SETS

We help you find The Right Product for your Power Needs.

FPX can offer a wide range of diesel generator sets for a superior power solution through its performance, flexible range of features and ease of serviceability in the field. Our standard product range starts from 5 kVA to 2000 kVA with various variants and component supplies possible as per special needs.



CERTIFICATIONS

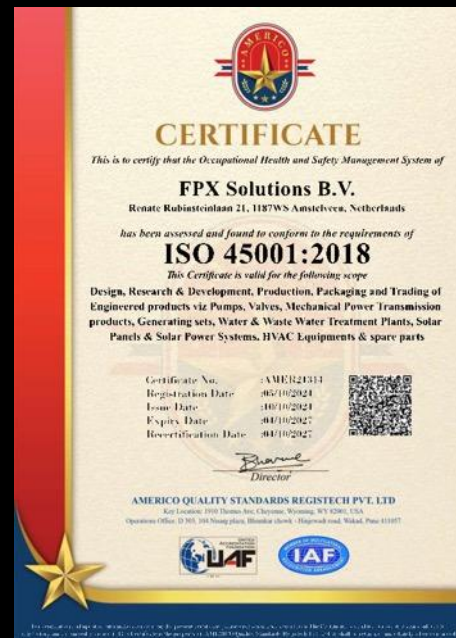
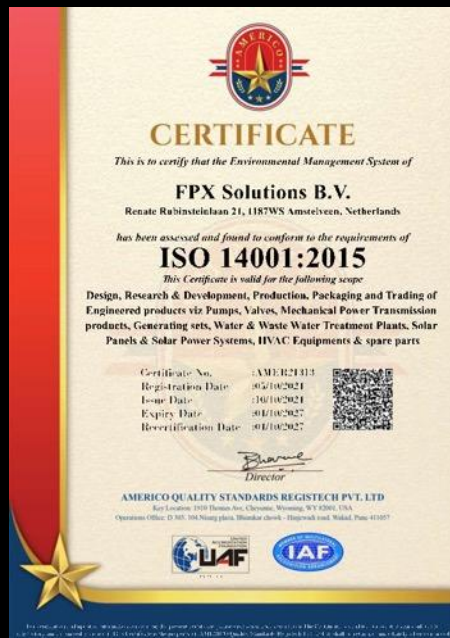
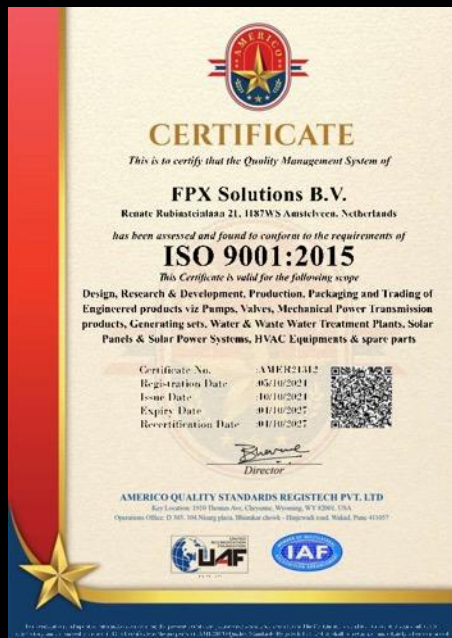
ISO 9001

ISO 14001

ISO 45001

CE

ATEX



FPXX



FPX SOLUTIONS. B.V.



Stroombaan 10,
1181 VX Amstelveen,
The Netherlands.



+31 20 722 0898



sales@fpxsolutions.nl



www.fpxsolutions.com