

# WATER AND SEWAGE PUMPS



- **Marine and offshore use**
- **High reliability**
- **Specialised flow design**
- **Pumps for harsh environments**
- **Control systems for pumping**

**Fraser Pump and Engineering** have expertise in supplying pumping systems to many offshore operators, with a **25 year history** of service in **design, special engineering, and construction** to meet very demanding applications in **harsh environments**.

**Pumping systems for waste-water** is an important part of the service offered to clients. **Long service life** and minimal maintenance are linked to choices of materials for the pumps and seals, together with overall design of fluid flows, pipework to ensure pumps operate at **maximum efficiency**.

Existing pumps with can **be replaced with efficient designs**, meeting the **space restrictions** and connections to existing pipework.. Additionally the overall piping and control system can be redesigned with **new sensors, power feeds and controllers**

Fraser Pump and Engineering can advise on the **pump specification**, either from a site evaluation, or discussion with the client. The specification of old or obsolete pumps can usually be matched.

**Materials** Specifically selected for task, usually stainless steel or bronze with corrosion resistant impellers and wear plates

**Motors** Totally enclosed fan cooled and can be supplied explosion proof to ATEX standards if necessary.

**Typical pumps** Single stage centrifugal pumps, either horizontal or vertically mounted, are supplied, for high-pressure applications multistage pump housings are available.

**Flow rates** 10-200 cubic metres per hour

**Total head** 5-70 metres

**Power** 3 phase 50 or 60 Hz, 380-440V

**Fluid** Sea or fresh water  
0-25% solids

**Connections** 50-200mm internal diameter with ASA, BS or DIN flanges

**Fraser Pump and Engineering have considerable expertise in sourcing obsolete pumps and spares, and designing systems for difficult environments where connectivity with existing systems is paramount**



**Light duty high flow pump**



**Heavy solids high flow pump**



**Self-priming heavy solids pump**