



oasis pumps industry L.L.C.

Trusted name in pumps



Dewatering since 1992

Oasis Pumps Industry LLC, is an associate company of Trinity Group of companies. Oasis currently is the only dewatering pump, indigenously manufactured in the UAE, with high performance and low maintenance. OPI is a leader in the dewatering industry, known for its superior product performance & reliability. It offers a variety of pumps designed for the simplest to the most demanding applications with wide range of high head/high flow pumps from 3" -13" models. Oasis pumps have proven reputation for trouble free operation in most arduous conditions. Extensive attention is paid to R & D and the feasibility of new technical applications. It is continuously verified by in-house laboratory research with relation to site demands. New designs are developed for further improvement of pump efficiency, to offer optimum solution. Our capability includes manufacturing any customized pumps as per client's requirements with applications in Construction, Marine, Irrigation, Sewage, Oil & Gas Industry. Oasis pumps are widely used in the GCC, Middle East, African & Indian Subcontinents.

Oasis offers efficient & reliable solutions to our client's pumping requirements through spares/sales/rental by dedicated service & sales engineers round the clock. Oasis undertakes turnkey dewatering projects too.

24 Hour Committed Service



UNIT CONVERSION				
Metric Unit	X	= IP Unit	X	= SI Unit
kg	2.205	lb	0.4536	kg
m	3.281	ft	0.3048	m
m ³	10.760	ft ³	0.0929	m ³
m ³	35.310	ft ³ /min	0.00208	m ³ /s
m/s	196.900	ft /min	0.00208	m/s
m ³ /h	0.5886	ft ³ /min	0.4719	L/s
m ³ /h	4.403	GPM	0.06309	L/s
kg/cm ²	14.22	psi	6.895	KPa
mm.H ₂ O	0.03973	in.H ₂ O	249.1	Pa
m.H ₂ O	3.281	ft.H ₂ O	2.989	KPa
Kcal/h	3.968	btu/h	0.2981	w
kW	1.341	HP	0.7457	kW

Our beliefs

Customer Relations

High Quality & Efficiency

Varied Applications

Tough, Durable & Reliable

Cost Effective

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Dewatering Pump - Centrifugal - Open Impeller OP-S



Oasis OP-S model is built to operate in most arduous circumstances encountered in construction, mining, municipal industries. The pumps offer completely automatic suctions from depths of 9 meters and unequalled performance in effluent disposal and slurry handling. It has exceptional solid handling capability up to 100 mm, thanks to the special bronze, open impeller design.



Vacuum

70 cfm, vacuum pump for automatic priming & repriming (oil lubrication is automatic even when vacuum is not developed).

Volute & Discharge Assembly

Extra wide volute casing to accommodate special open impeller to handle solids. Single piece casted discharge unit, giving maximum durability.



Open Impeller

Dynamically balanced open type bronze Gr BC3 impeller to withstand high corrosive liquids as standard. Optional stainless steel Gr 316 impeller available.

Main Pump Shaft

Stainless steel Gr 316, machined to precise dimensions and dynamically balanced to get optimum life of seals & self lubricating bearings.



Mounting & Engine Stand

Special vibration free mounting on the chassis with integrated fuel tank (capable for 24 hr operation).

Belt Guard

Guarded with expanded sheet metal, giving clear view of the belt & coupling giving extra room for air circulation.



Control Panel

Control panel consists of hour meter, ampere meter and oil pressure guage giving easy monitoring of the system.

Surge Control Valve

Oasis range of pumps comes with surge control valve on the primary Aluminum tanks, as an additional safety feature.



Dewatering Pump - Centrifugal - Open Impeller OP-S



Standard Oasis Pumps comes with Nickel C.I & aluminum Gr LM25 primary tank, bronze Gr BC3 Impeller & stainless steel Gr 316 shaft internals. Choice of customised material options available. Standard pumps are skid mounted with integrated fuel tank. Optional four wheel hard rubber tires and towable tires available upon request.

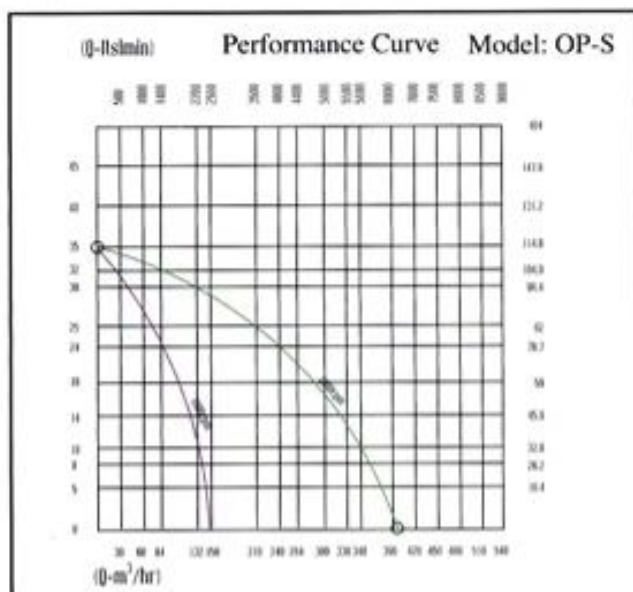
Application : Construction industry - marine - sewage - oil & gas industry - public utilities industry. suitable for dewatering - well point system, boosting & direct sump pumping, effluent disposal, slurry with solids up to 100 mm.

Oasis range of pumps may be supplied with a broad range of accessories including piping, well point equipments, bends, quick action fittings , flexible hoses, layflat hoses etc.

Technical Specifications

	Model	
	OP-S 100/40	OP-S 150/70
Discharge/Suction pipe connections-In (mm)	4(100)	6(150)
CFM	40	70
Water flow (CuM/Hr)	150	400
Total Head (m)	35	35
Solid handling up to (mm)	75	100
Vacuum Lift (m)	9	9
Motor Power (Hp)	23	52
Engine - Oasis	OA2	OA4
Engine - Deutz	1011	F4L912
Engine Speed (rpm)	1800	1800
Shipping dimensions (cm)	221x102x172	221x102x172
Weight (kg)	950	1350

Choice of Oasis & Deutz air-cooled engines as standard options



Performance curves are for guidance only and are subject to revision



Dewatering Pump - Reciprocating - Piston type



Salient Features : • Simple design • easy operation •unparallel reliabliity •inherent safety • very high efficiency • low operating cost • simple maintenance • very less wear & tear of spares. Most practical on shallow lines and clay dominated areas.

Oasis Piston pumps are universal in operation for lowering the ground water level. The model is a twin cylinder, quadruple acting crankshaft driven piston pump. The pulsating vacuum (rhythmically developing) type action helps in preventing clogging of well point slots at the point of suction in dewatering(most effective in clay dominated areas). Perfectly suitable for well-point dewatering by gravity and vacuum. Also used in horizontal dewatering system.

Technical Specifications

	Model WP 150/90 P
Discharge/Suction Pipe connections in (mm)	6(150)
CFM	90
Water flow (CuM/Hr)	100
Total Head (m)	15
Vacuum Lift (m)	9
Motor Power HP	12
Engine - Oasis	OA2
Engine Speed (rpm)	1200
Shipping Dimensions (cm)	268x100x125
Gross Weight (kg)	1450

WP 150/90 Piston Pump-Material Matrix

Component	Material Options	Advantages
Piston Liner	Stainless Steel Gr 316(Std), Bronze Gr BC3 (option)	Corrosion resistant, strength & ductility
Piston Rods	AISI Stainless Steel 316	Corrosion resistant, strength & ductility
Pump Casing	Nickel C.I.	Tough & corrosion resistant
Crankshaft	Tough alloy steel ASTM A216 Gr WCB	High strength & ductility
Collar	Leather (std), stainless steel Gr 316 (option)	Durable





Multi Purpose Self Priming Pump

Quick automatic self priming pumps up to 5 meters depth with head up to 28 meters & discharge up to 77 ltr/sec having varied applications in

- Marine - pumping water from docks, ports, vessels
- Industrial - pumping petroleum products , chemicals effluents, ash water etc
- Civil construction: sump pump dewatering foundations, trenches & pits
- Mobile Machinery - cooling water for marine engines & shovels
- Public utilities - sewage pumping

Model	Inlet/outlet size (mm)	Impeller Diameter (mm)	Total head in meters													Solid handling size (mm)	Rated speed (rpm)
			10	12	14	15	16	18	19	20	22	24	25	26	28		
			Capacity in liters per second														
OP - 3L	80	224		17.7	15.6	14.0	12.5	8.5	6.0	3.5						15.5	1500
OP - 4L	100	292		41.4	39.1	38.0	36.0	33.9	32.3	30.5	26.4	21.5	18.5	16.0	9.9	23.0	1500
OP - 6L	150	296	77.5	75.0	72.0	71.0	68.0	63.0	62.0	57.0	51.0	42.5	38.8	32.5		40.0	1500

Jetting Pump

Oasis jetting pumps (Model OP 100J) are normal priming centrifugal pumps suitable for pumping clean or dirty water without solids. The pumps are driven by diesel engine and are hand - primed. Discharge with 100 psi pressure, 4" suction, 2.5 discharge with bronze internals and driven by two cylinder engine. Mounted on a chassis with integrated fuel tank and four hard rubber tires and skid mounted .

Applications

- To jet in well-points, wells or piles
- For water supply at construction sites
- To fill and test pipe lines
- To clean construction vehicles and equipments
- For fire fighting
- For irrigation



Irrigation Pump

This is available with a range of low and high discharging capacities to suit customer requirements. The volute and impeller (open type) is designed to achieve smooth & discharge, discharge capacity - 100 CuM/Hr with single/two cylinder diesel engine with options of **LISTER PETTER** or **Oasis** air cooled engines.

Applications

- Irrigation
- Sump pump

Booster pump

These pumps are primarily used to boost up the existing line to extend the length of discharge. They assist & support the smooth running & reduce the back pressure of the duty pump. They are available in 6" & 8" discharge sizes.

Applications of this pump include dewatering, transferring of liquid, oil etc



High pressure pumps

These high pressure centrifugal pumps equipped with multiple Impellers have varied applications. They are fitted with horizontal hardened & tempered steel pump shaft, which is suitably selected and dimensioned bearings – is protected by a hard-chromed brass bushing that can be easily replaced, coupled by means of a drive flexible coupled to diesel engine/electric motors.

All the pumps range is composed of intermediate diffusers with direction blades. The spiral delivery body is equipped with seal rings that are easily replaced on each impeller. The multiple centrifugal impellers specially made for high pressures are dynamically balanced. The pump shaft near the packing is supported by suitably selected and dimensioned bearings and protected by a hard chrome brass bushing which can be easily replaced. In these pumps the shaft is always guided by a support with a bronze journal bearing placed in the suction cover.

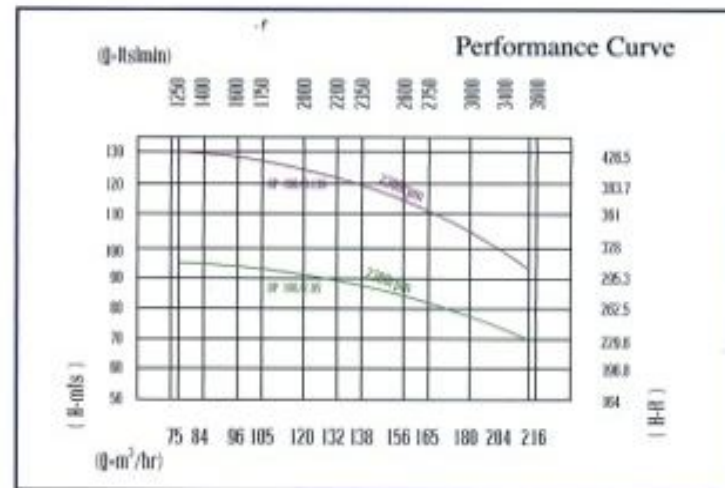
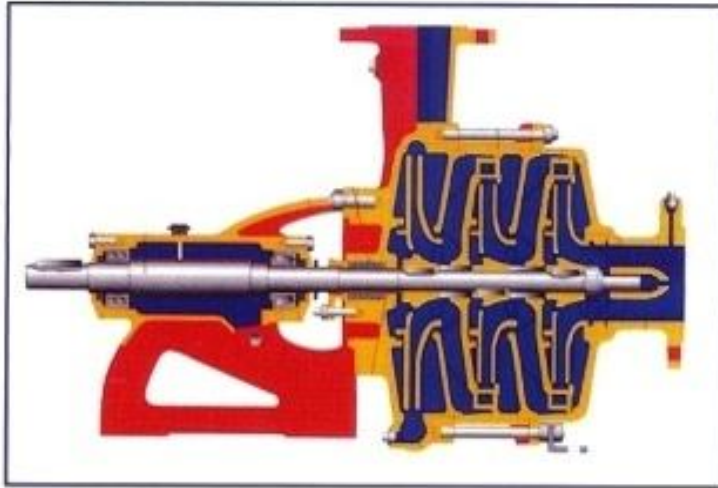


All the pump parts have been developed after careful study aimed at finding the best result in terms of reliability and efficiency. The use of these high quality materials is essential for long life. These have a wide range of applications where high pressure is required.

Standard pumps are suitable for lifting soft water which is not chemically & mechanically very aggressive. Special internals are tailor made to suit customers, as required.

Maximum water temperature handled upto 90 deg centigrade

Applications in rain irrigation, public, civil & industrial water supply, pressure boosting, fire fighting, vibro-compactions for the ground, well points installation etc



Oasis Engines



'Oasis' brand engines are manufactured by one of the pioneers in diesel engine manufacturing. They were tested and tried in our hire fleet and with different customers for many years for performance and durability. Suitable modifications were carried out to the engines to suit our requirements with the help of manufacturer. Satisfactory results achieved during the testing of these engines in the extreme harsh

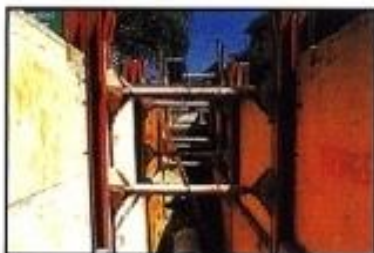


atmosphere, made us standardize these engines in our production. We offer OA series of air cooled engines as well as spares for the complete range. The range include single cylinder to six cylinders suitable for various applications including dewatering pumps having capacities from 19hp to 100hp.



Trench Shoring System

For more than 30 years, Krings International, France is recognised as the leader in the design, production and development of trench shoring systems. It maintains its position at the forefront of trench shoring technology with the high quality and veracity of KRINGS products. We are proud to be associated with



Like Oasis, Krings international's commitment is to fulfil the highest standards of safety and economic efficiency, works closely with the workers & people involved in the use of the of trench support systems. The scope include trench shoring, sheet piles, pipe pulling machines, pipe grabs, laser etc.

Submersible pumps

'Oasis' umbrella encompasses **submersible pump sets, centrifugal mono block & jet pump, centrifugal & couple pumps, peripheral self priming pumps, electrical motors & power blowers**. They conform to the international standards and inspection agencies requirements to meet the demands of different applications.

Each pump sets are manufactured and installed to achieve critical degrees of precision that international specifications demand. They pass through an extensive quality chain comprising state of art manufacturing plants & testing houses, independent quality control departments, dynamic R & D divisions, customer care cells and a dealer -distributor network.

Today Oasis submersible and mono lock pump sets are preferred options in the Middle East, African & other world markets, thanks to their enduring performance & engineering superiority.

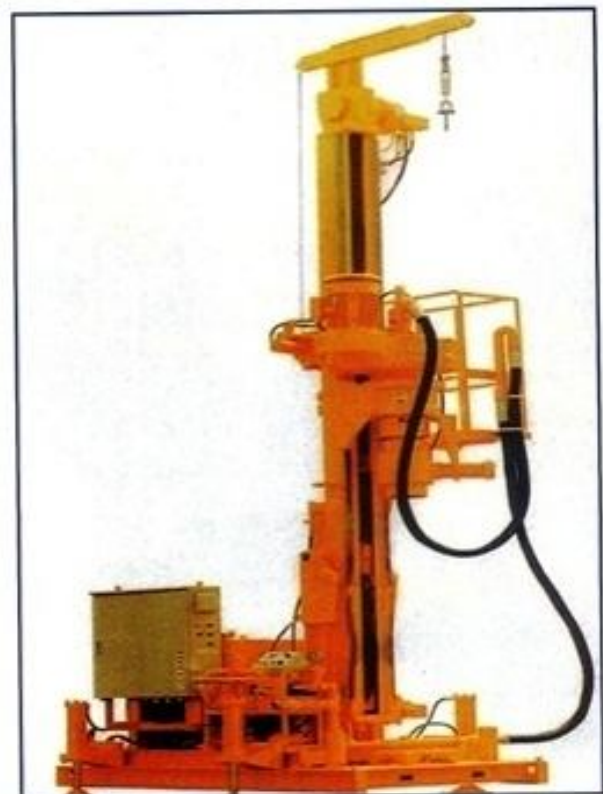


Koken

Since 1947, Koken Boring Machine Co., Ltd, is a specialist drilling company and has been in the manufacturing of drilling machines. They have continuously made efforts to develop new drilling technologies and products aimed at satisfying the changing requirements of different era.

They are primarily manufactured in the Japan and cater to the world. Koken is happy to have contributed to the health and happiness of many people worldwide with the different range of products. Oasis is proud to be teaming up with Koken in this region. Applied fields of Koken products includes

- Exploration Drilling
- Grouting
- Offshore Drilling
- Well Drilling
- Horizontal Drilling
- Pile Drilling
- Big Hole Rock Drilling
- Anchoring
- Hydraulic Rotary Percussion Drilling
- Directional Measuring Geophysical Prospecting



Accessories- Pipes, Fittings & Hoses

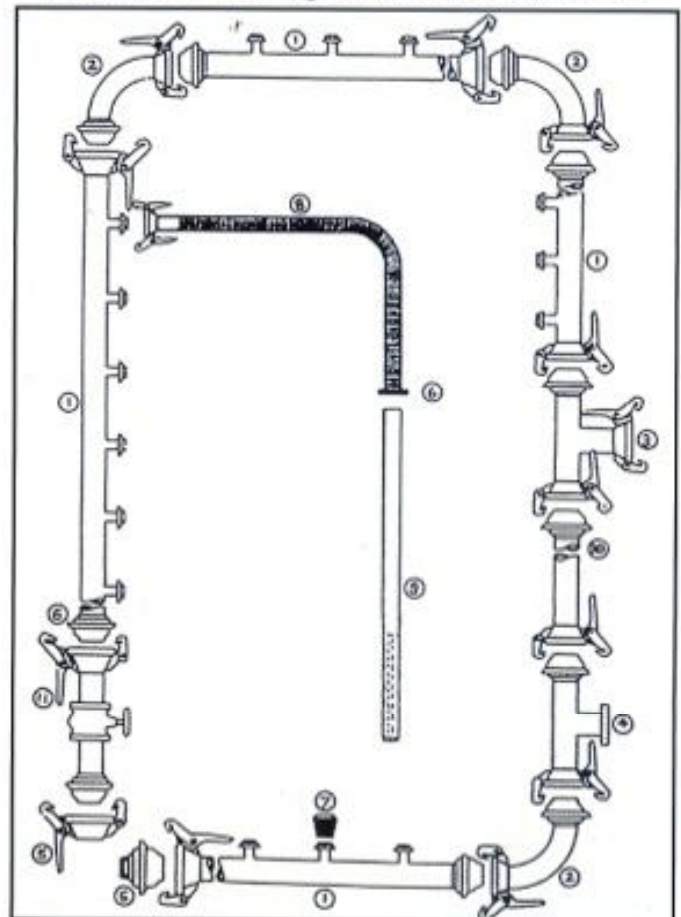
Oasis Pumps Industry LLC, supplies a complete range of well-points, header pipes, vacuum hoses, lay-flat hoses, flex-bow assembly, jetting accessories, jetting pipes, strainers, bends, "T" piece, quick release fittings, hose spigots & accssoies to complete the system for open dewatering, well-point dewatering, deep-well dewatering, jetting, general sump pumping. Oasis is an authorised distributor for **Millars Products** from Italy, for galvanised pipe & fittings and **PETZITAKIS** from Greece for variety of hoses.

Sl. No.	Description
1	Header Pipe with 6 intakes
2	Bends 45° & 90 Deg
3	"T" Piece
4	"T" piece with one flange end
5	End Cap Male/Female
6	Hose clips
7	2" Rubber Plug
8	2" Swing hose with fittings
9	Well Point
10	Discharge Pipes
11	Gate Valve with M/F Fittings
12	"Y" Piece*
13	Hose Spigot - Male*
14	Hose Spigot - Female*
15	Suction Hose*
16	Discharge flanged fittings*
17	Suction Hose*
18	Lay flat Hose*
19	Jetting Hose*
20	Jetting bend*
21	jetting rod*
22	Strainer*

All the fittings are standard universal fittings

*Not indicated on the diagram

Steel Galvanised Quick Action Accessories



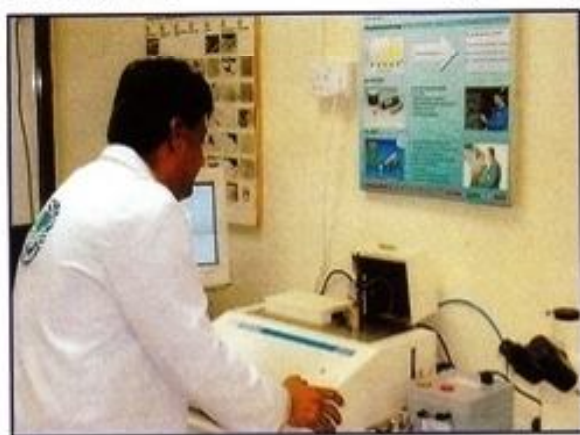
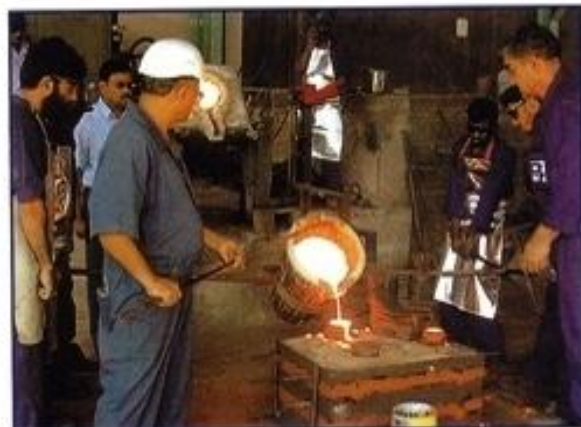


Oasis Pumps Industry LLC. is the premier indigenous manufacturer of dewatering pumps in the UAE and leading supplier of dewatering accessories. All manufacturing process including casting, fabrication and assembly are in-house and are subject to strict quality standards. Oasis is known for its superior product performance and reliability in the market. It offers a variety of dewatering pumps and accessories to suit simple to the most demanding application.

Oasis Pumps Industry LLC. was established in 2001 by a team of entrepreneurs, with more than 28 years experience & expertise in this field. Qualified technicians & engineers with immense wealth of experience support

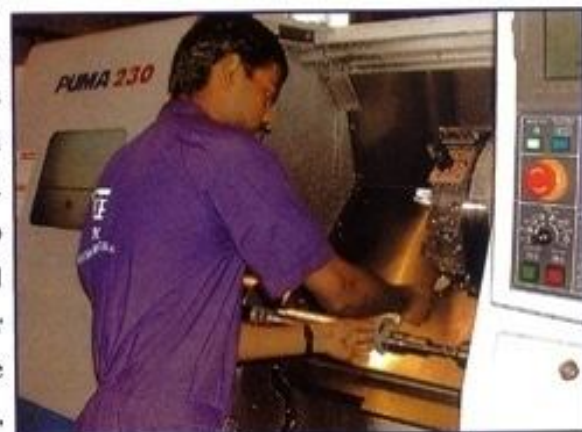
it. It offers superior engineered product with quality service for Round the clock-365 days at competitive prices.

Foundry - Oasis pump commences to take shape with the different castings made to the CAD drawings. The foundry caters to the diverse engineering sectors namely in the oil, marine, construction & transport industry. Along with foundry, the facility is equipped with in-house shot-blasting, heat treatment & metal finishing shop. Qualified & experienced engineers in varied disciplines with skilled workforce in respective areas of operations are the hallmark of our foundry and allied activities. Oasis standard pump parts are made with high graded anticorrosive & anti abrasive materials, which makes it durable and reliable to our customers. Casting of Special Stainless Steel and Bronze pump and parts are our specialty. We use the best technology available to enhance the wear & life of our products. In short, we enhance efficiency and performance at lower energy costs by quality casting



Laboratory - Extensive research is carried out in our lab with the help of our R&D to formulate the right combination of metals to form the right alloy. These pumps have to be rugged & robust in construction to withstand the harsh conditions under which the pumps operate. Utmost care is taken to ensure that every material chosen to manufacture compliments this philosophy. To ensure this, efforts are made in the R & D and the feasibility of new technical applications are carried out which is continuously verified by laboratory in relation to site demands. New designs are further developed for improvement in pump efficiency and offer optimum solution. The metallurgical laboratory is also equipped with the

latest spectrometer to analyze ferrous & non-ferrous metals, hardness testers of different types, micrometer analyzers, thermometers etc. and all the results are analyzed by the computer. Oasis quality control department is well equipped with measuring instruments to carry out inspection of all the parameters of every machine parts & sub assemblies. Close tolerances are practiced to optimize the quality & interchangeability of every part. All rotating parts are checked for run outs, face outs and 'close tolerances'. Specialized operations on CNC lathe & cylindrical grinding for pump components are few of the operations leading to high quality performances. All rotating mechanical castings such as impellers are dynamically balanced for vibration free operation. Testimony of Oasis quality can be summarized by the fact that these pumps have reliably handled on the high saline, acidic, high humidity and soaring temperatures.



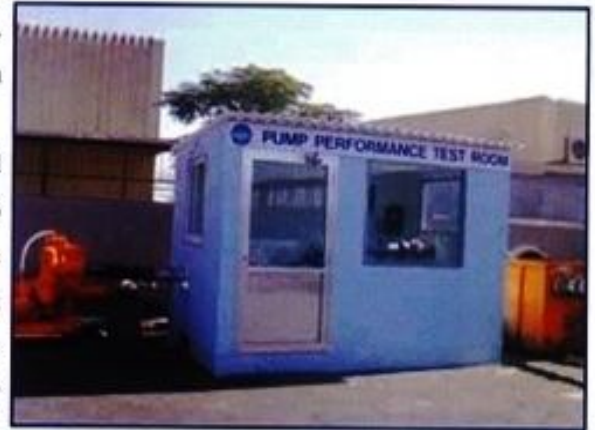


Quality Service - OASIS is committed to provide the highest standard of services as always and further consolidate our quality of service to remain a name to be trusted and reckoned with in dewatering. Each pump undergoes a testing for a minimum of 24 hours in our pump testing facility equipped with all the modern testing methods. The company continues to develop their product portfolio and can offer a wide range of equipment to satisfy the most demanding applications, whatever the industrial activity

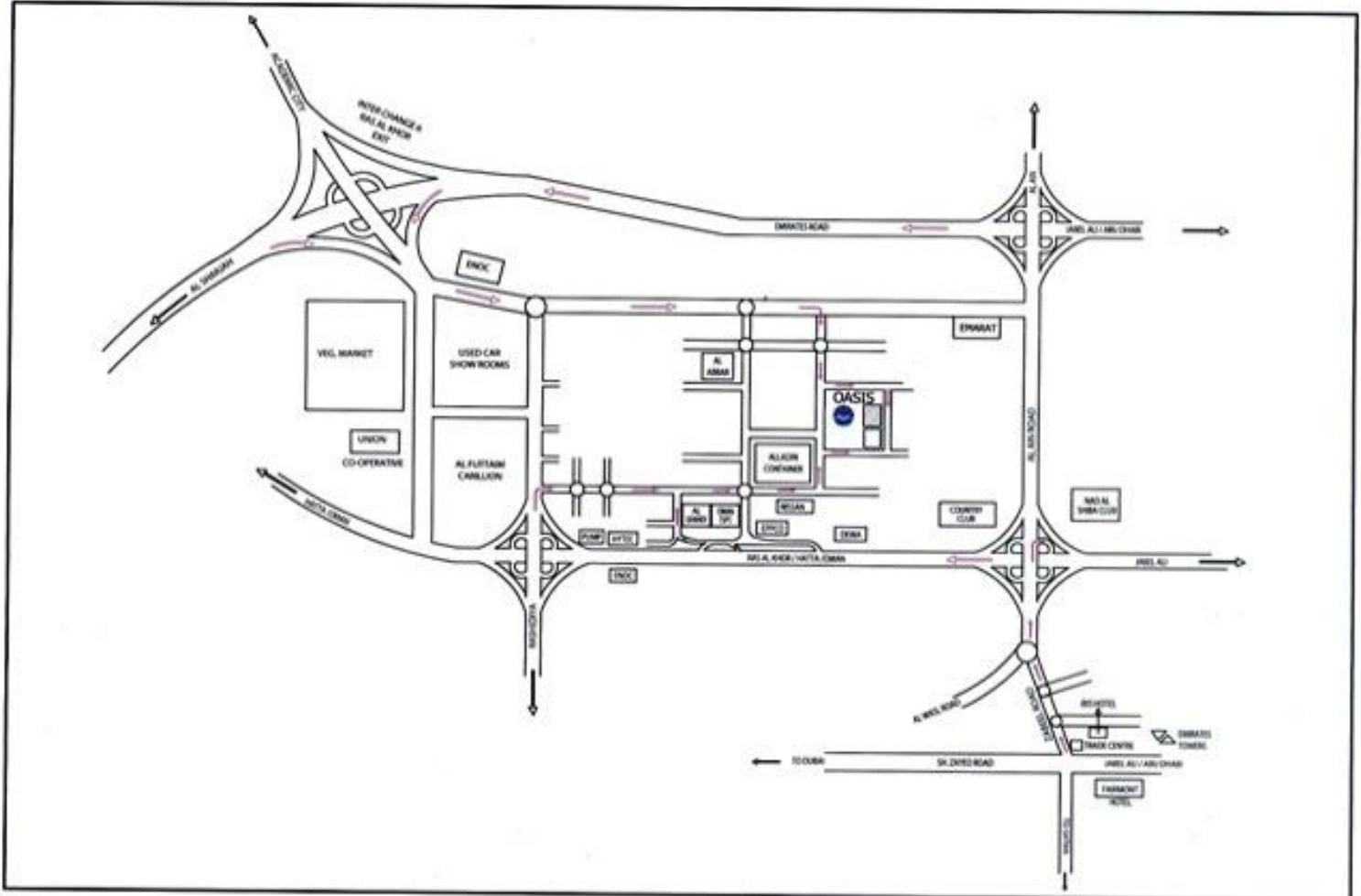
As a service oriented company, Oasis offers expert dewatering advice and feasibility studies, competitive quotes, honest cost-effective solutions and fast delivery. Oasis is dedicated to offering solutions that work best for you.

Specialist personnel and equipment facility is offered for hiring. The rental divisions closely work along side our customers to meet their requirements. Oasis is proud to announce that they are/were instrumental in major landmark projects of the region.

Oasis is an OEM to other pump manufacturers and is regularly being exported to the Europe, Far East & south East Asia. Oasis is continuously committed to working hand in hand with their customers to their mutual benefit. All these make Oasis Pumps Industry, the top quality service provider in the region. It continuously offers effective viable solutions to our clients pumping requirements. Oasis is capable of manufacturing any customized pump as per client's requirements. It can design and build pumps according to customers need with heavy duty & high lift applications.



Location Map





Trinity Engineering Services LLC.

Trinity Mechanical Services LLC.

Oasis Pumps Industry LLC.

Blue Light Industry LLC.

Diesel Marine International LLC.

Rainbow Mechanical & Electrical Works LLC.

Rainbow Trading & Importing

Zirkoon General Trading LLC.



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