

# INDAR SUBMERSIBLE PUMP SETS

vs. Vertical Turbine Pumps

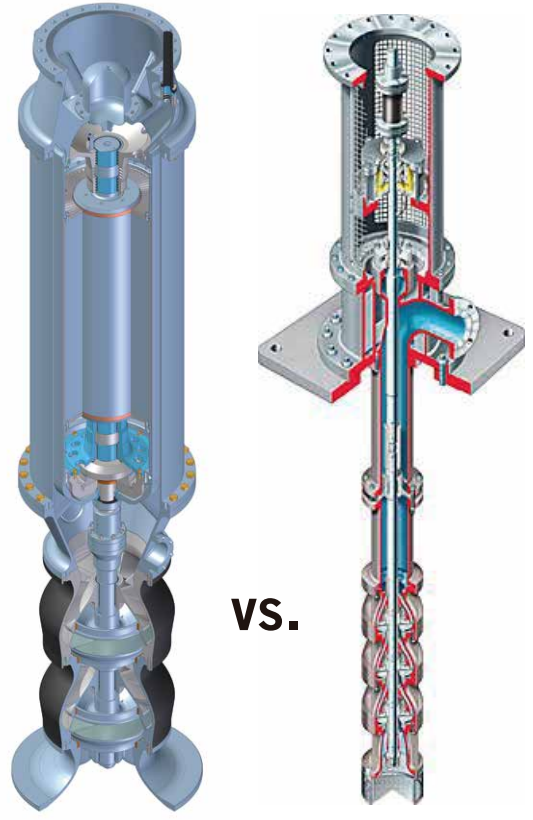
## Advantages of our system



Water reservoir levels do not reach to original capacity since years due to the combination of drought and increased water demand. Depletion of aquifers makes necessary to drill down in order to reach deep water reservoirs.

This picture makes **EXISTING VERTICAL TURBINE PUMP SOLUTIONS UNVIABLE**: Long shaft pumps with surface motor are not suitable to reach new depths.

Given this situation, **SUBMERSIBLE PUMP SETS** are presented like a **good alternative**. The water will be pumped to the surface with several more hydraulic and **TECHNICAL ADVANTAGES** compared to Vertical Turbine Pumps.



Indar Submersible Pump

Vertical Turbine Pump

VS.

- 1 Compact Solution**
  - Less Space ●
  - Less Cost of Installation ●
  - Easy Alignment ●
- 2 Direct Transmission of Power & Efficiency Improvement vs. Vertical Turbine Pumps**
- 3 Maintenance Free**
- 4 Very Low Noise Levels**
  - Perfect Solution Inside Cities ●
- 5 Avoids Flooding Risks**

The **INDAR SUBMERSIBLE** water pump sets are made of a multistage centrifugal pump up directly coupled to an **SUBMERSIBLE** type electric motor To face situations where the dynamic water level is so low that water either will not reach the suction strainer of a standard submersible execution, INDAR has developed submersible pump sets with the motor above the pump and suction intake at the very bottom.

Motor Output (HP)	Flow (USGPM)	Voltage (V)	IP	Weight (LBS)	Height (Inches)	Head (FT)	Type	Application
up to 4000	220–35300	13800	68	40800	268	98–3300	Semi-axial, submersible motor and pump	Clean water pumping

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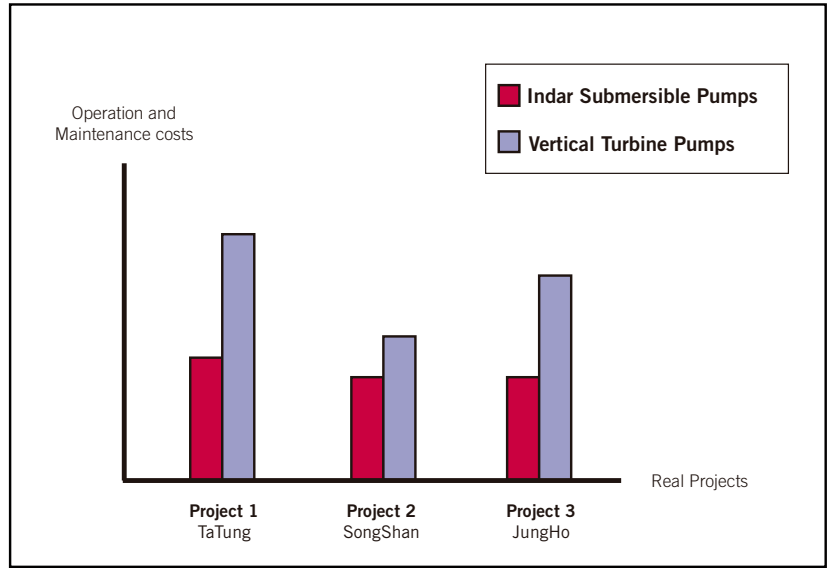


# Effective Return of Investment

(Roi)



Operation & Maintenance costs  
**45% less**  
 compared to  
 Vertical Turbine Pumps



	Project 1 TaTung	Project 2 SongShan	Project 3 JungHo
Efficiency	4.5%	5.5%	11%

Source: Taipei water department

**7% better total Efficiency\***  
 with Indar Submersible Pump sets  
 compared to  
 Vertical turbine Pumps

\* Based on real figures

When it comes to submersible pump & motors, **Indar** is your leading solution partner



Milwaukee WI

Served from the US to the US