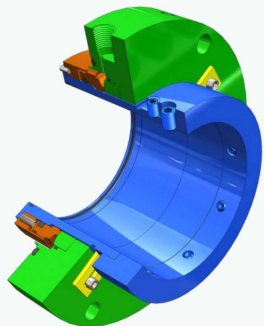
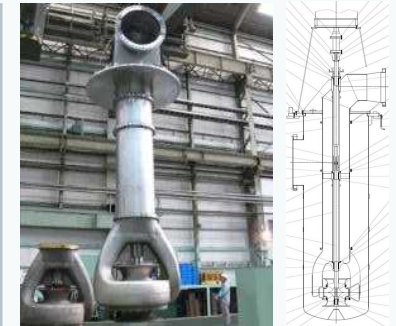


# TORISEAL Mechanical Seal Case History

## Hotwell Pump

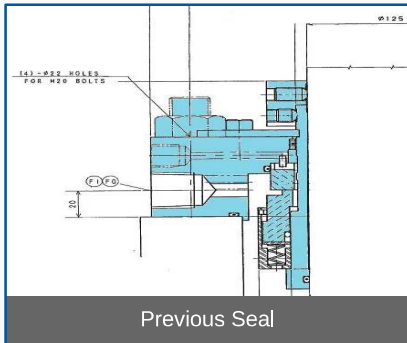
Plant Location:	Turkey
Plant Type:	Geothermal Power Plant
Pump Model:	CDKTV Vertical Double Suction Pump
No. of Pumps:	4
Delivery Date:	June 2016
Service:	Hotwell
Liquid:	Geothermal Condensate
Pumping Temperature:	40.9°C
Flow Rate:	6,700 m <sup>3</sup> /hr
Total Head:	24.5 mtrs



Seal Type:	<b>MB2704 Rotating Balanced Cartridge Seal</b>
Seal Code:	MB2704DN55LL125
Shaft Size:	125mm
Metallurgy:	316L Stainless Steel
Face Materials:	Silicon Carbide/Silicon Carbide
Elastomers:	Viton
Seal Pressure:	2.5 – 3.5 barG
Pump Speed:	590 rpm
Face Velocity:	4,7 m/s
API Plan:	13 (Reverse - during operation) 32 (External - during startup and standby)

# TORISEAL Mechanical Seal Case History

## Hotwell Pump



Previous seal cost and delivery were high and long. TORISEAL retrofit option offered a zero modifications into the existing stuffing box and pump.

The offered materials improved comparing to the previous seal's considering the application's speed, temperature and pressure.

The cost comparison was one of the major benefits for the customer. The TORISEAL MB2704's price was 33% less expensive than the existing seal → savings for the customer.

In addition, the target was to offer the customer an improved lead time.

