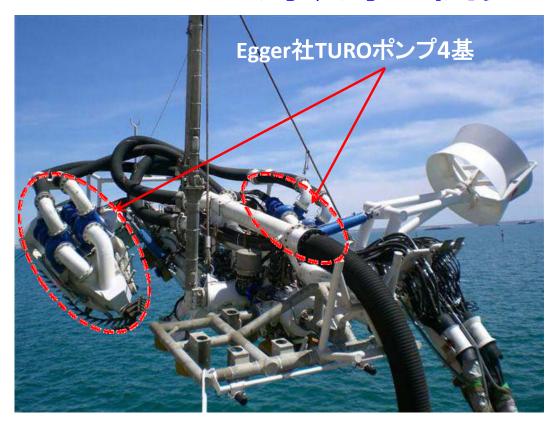
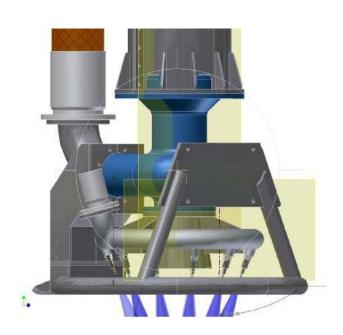




海底掘削、ドレッジング用、水ジェット カスピ海、海底開発プロジェクト





10/19/2015 不許 関撃内科基準 版権は取る。 本語 関連内科を関係を関係を受ける にあります。 .











ORENBURG

TENGIZ

Karachaganak

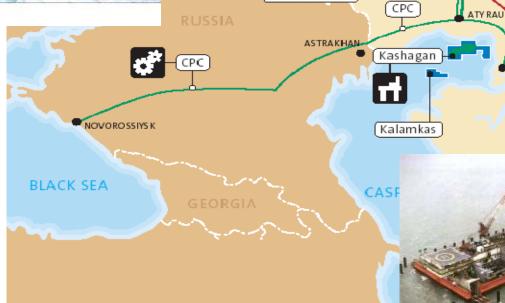
Kashagan Project

BOLSHOI CHAGAN

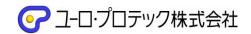
Karachaganak CPC pipeline



Kashagan - Isola Artificiale A in inverno











RAGNO DUE PROJECT – 1978 / 1994

The first pump sold to Saipem – Tecnomare Division (development of marine technology) for these application was a T 9-300 SWH in Cast Iron (matr. IT 6505) on May, 25th **1978**.

In **1983**

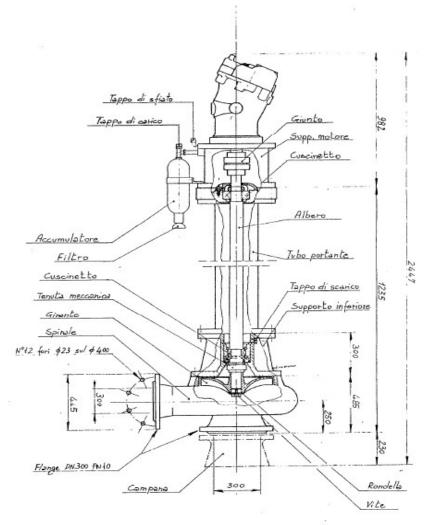
a second pump, identical to the first one, followed (matr. IT 11907).

In **1991**

T 9-300 SWN in Ni – Resist (matr. IT 19591/2).

In **1994**

a fourth pump, identical to the first two ones, followed (matr. IT 20652).









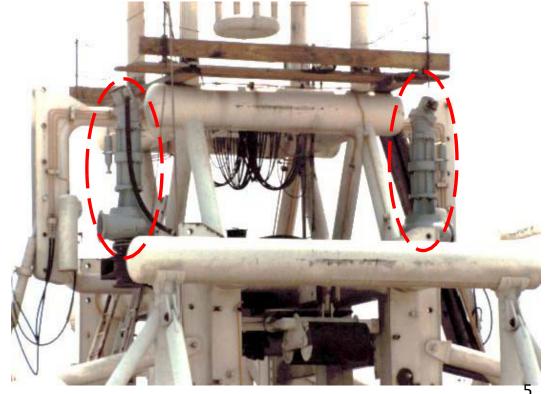
RAGNO DUE PROJECT – 1978 / 1994



Pumped Liquid: Seawater with solids

Ni – Resist Casing / Impeller :

 $Q = 750 \, mc / h$ @ H = 5,5 m



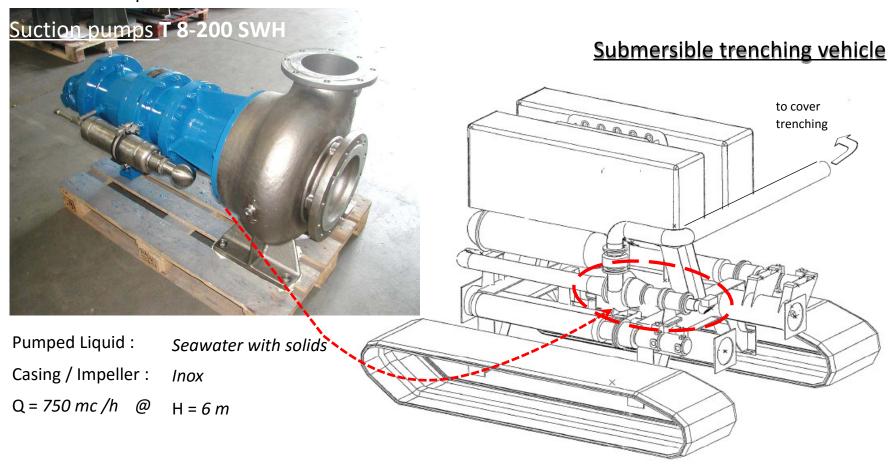






PIOVRA PROJECT – 1996

Suction pumps (matr. IT 34407 - IT 21089) to be installed on submersible trenching vehicle up to 1500 m sea depth.



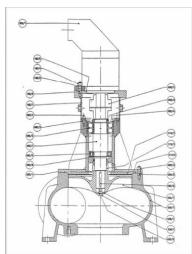




BLUE STREAM PROJECT - 2000

BELUGA TRENCHING MACHINE

Suction pump T 9-300 VWR



Seawater

with solids

Casing / Impeller : HG 15.3

Bearing housing: Aluminiu

 $Q = 1200 \, mc/h \, @$

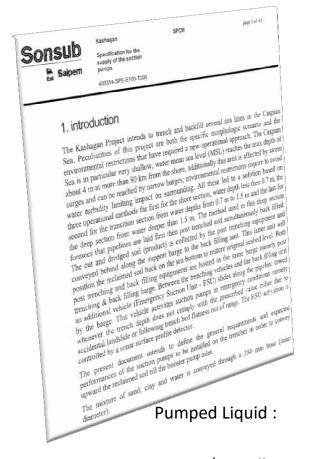
H = 5 m



Pumped Liquid:

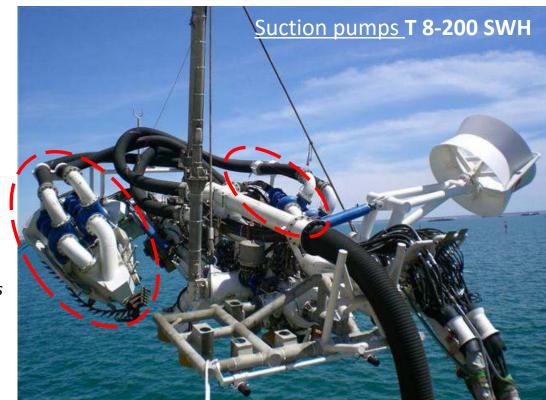






The Kashagan Project intends to trench and backfill several sea lines in the Caspian Sea.

The present document intends to define the general requirements and expected performances of the suction pumps to be installed on the trencher in order to convey upward the reclaimed soil till the booster pump inlet.



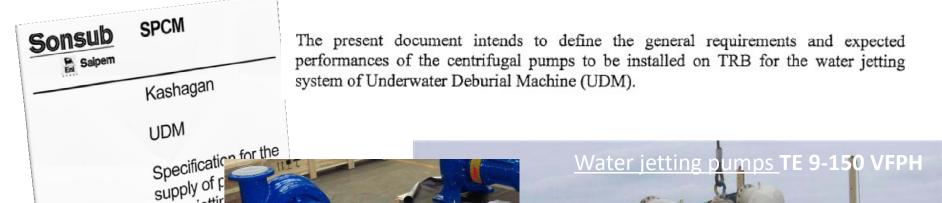
Seawater with solids

Casing / Impeller: Inox

 $Q = 680 \, mc/h$ H = 16 m







Pumped Liquid: Seawater

Casing / Impeller : Cast Iron /

Inox $Q = 500 \, mc/h$

water jettir

400348-S-006

H = 80 m







PROJECT UPGRADE:

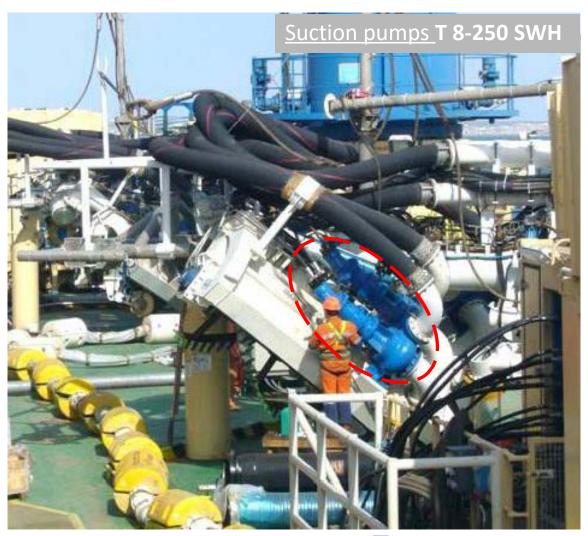
Duty point and material



Pumped Liquid: Seawater with solids

Casing / Impeller: HG 15.3

 $Q = 900 \, mc/h$ @ $H = 6 \, m$

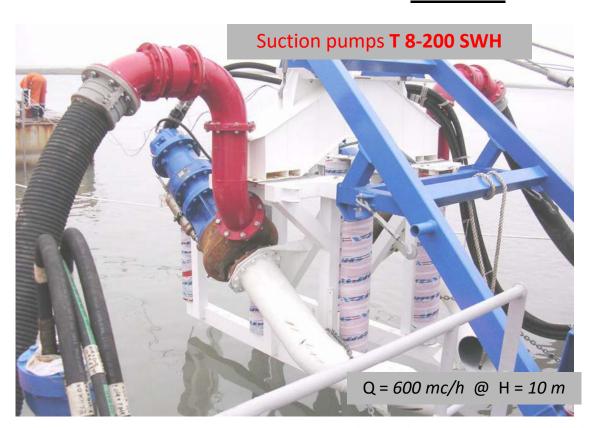






MONDINE CASPIAN SEA PROJECT –

Suction pumps 4x T 8200 SWH + booste 200 son trencher barge 4x D 10-300 VWH



Pumped Liquid: Seawater with solids

Casing / Impeller : Inox











FLEXJET 2 PROJECT – 2007

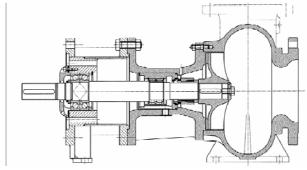
Sectional drawing of the suction pumps installed on the submersible trenching vehicle.



Pumped Liquid: Seawater with solids

Casing / Impeller: HG 15.3

 $Q = 300 \, mc/h$ @ $H = 10 \, m$





→ ユーロ・プロテック株式会社





Submersible Pump T 8-200 UM with submersible motor EMOD

Pumped Liquid: Seawater with solids

Casing / Impeller : HG 15.3

 $Q = 540 \, mc/h$ @ H = 22 m





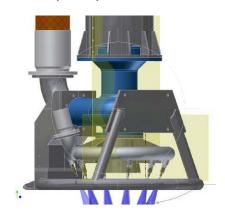
10/19/2015 不許・複製 本書の版権はユーロ・プロテック株式会社およびEmile Egger& Cie AGにあります。.





PROJECT UPGRADE:

Suction pump T 9-300 SWH modified for recessed and double vane impeller TZZ.



Pumped Liquid: Seawater

with solids

Casing / Impeller: HG 15.3

Bearing housing: Inox

Q = 850 mc/h @ H = 14.5

m













Pumped Liquid: Seawater

Casing / Impeller: Cast Iron /

 $Q = 600 \, mc/h$ @

Inox

H = 80 m

Pumped Liquid: Seawater with

solids

Casing / Impeller: HG 15.3

Bearing housing: Aluminium

Q = 1200 mc/h @ H = 20 m









ドレッジング・海底開発に朗報低勢断力ポンプの威力!

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