



REFERENCE SHEET

Ref. 123

Doc. Issued on 10.07.02
Approved by

**Project: NGL-4 PROJECT
N.2 ME/SERPENTINE DESALINATION UNITS**

Job: ST-101



Package being shop tested

| | |
|---------------------------|---------------------------------------|
| <i>Client</i> | HYUNDAI Eng. & Constr. Co. |
| <i>Owner</i> | QGPC |
| <i>Location</i> | NGL-4 Qatar |
| <i>Scope of work</i> | Package Supply |
| <i>Year of completion</i> | 2001 |
| <i>Status</i> | Delivered |

| | |
|---------------------------|-------------------|
| KEY STAFF | |
| <i>Project Director</i> | M. Rognoni |
| <i>Project Manager</i> | P. Lucchi |
| <i>Process Manager</i> | A. Trezzi |
| <i>Chief Designer</i> | P. Lucchi |
| <i>Quality Controller</i> | A. Trezzi |

PROCESS

| | |
|------------------------------|--------------------------------------|
| <i>Water to be treated</i> | Sea water |
| <i>Total Design Capacity</i> | 100 t/d |
| <i>Number of units</i> | 2x50% |
| <i>Guaranteed TDS</i> | 5 ppm |
| <i>Process Arrangement</i> | Serpentine Evaporative effect |
| <i>Tubes material</i> | Titanium / Hastelloy |
| <i>Shell material</i> | CuNi 90-10/Duplex Steel |
| <i>Tubes fixing</i> | Welded |
| <i>Top Brine Temperature</i> | 61°/102° C |

Notes:

One unit is equipped with air condenser.
Fully skidded prewired units.
Project subject to HAZOP chaired by SNAMPROGETTI.