- Project: Hadath Desalination Plant
- Client: Beirut and Mount Lebanon Water Establishment
- Contractor: ARISON s.a.r.l.

1. Flow Rate: 5,000 m³/day (Two Trains, each having a capacity of 2,500 m³/day)

2. Water Salinity Range: 1,500 - 10,000 ppm

3. Recovery Data: 70%

4. Feed Flow Rate: 360 m³/hr (180 m³/hr / Train)

5. R.O. Feed Production: 250 m³/hr (125 m³/hr / Train)

6. Working Hour/Day: 20 Hrs

7. Total Power Consumption: 520 Kw (260 Kw / Train)
DESIGN MEASURES MADE TO REDUCE POWER CONSUMPTION

1. Use of Variable Frequency Drives
2. Use of High efficiency motors (IE3)
3. Selection of Pumps having high efficiency
4. Selection of Diesel Engines with common rail technology to reduce fuel consumption
5. Use of Two Trains to cope with water demand

Thank You