

## E 3 Asia Company Limited

### ***CASE STUDY FOR PERFORMANCE ENHANCEMENT OF THERMAX VAPOR ABSORPTION CHILLER INSTALLED AT GULF JP NNK COMPANY LIMITED, CHACHEONGSAO.***

#### **BACKGROUND:**

**Gulf JP NNK Co., Ltd.** facility is located at Chacheongsao, 70kms from Bangkok, Thailand is a gas-fired Small Power Producer (“SPP”) of 114MW.

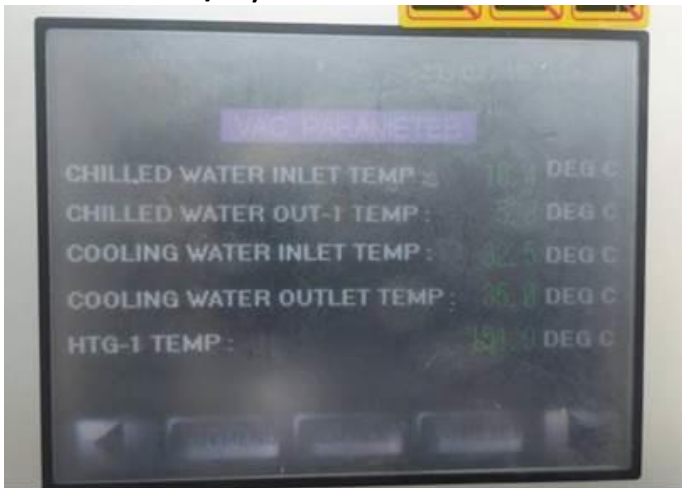
**Gulf NNK** have installed **4 nos. Thermax Vapor Absorption Chiller (with capacity of 800TR** each) at Chacheongsao in 2013 operating on steam from a combined cycle power plant. Customer issued TOR to different service providers for specialized recovery services to regain the capacity output around 80 – 85 %.

E3 Asia Co., Ltd. was selected due to its immense and experienced manpower with over 50 years of combined service experience on Absorption technology.

E3 Asia completed the task within less than 11 days recovering the output over 80% consistently and becoming the preferred service provider of Gulf Power.

Below some pictures to support our claims:

#### **Chiller Performance On 19.03.2021 – Delivering Around 375 To 390 TR (Chilled Water Flow around 220 m3/Hr)**



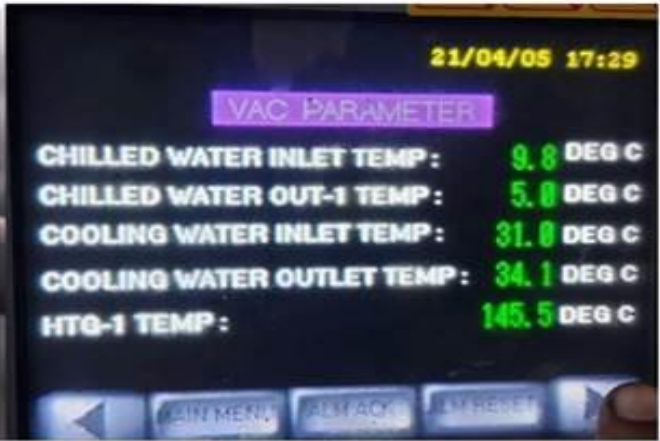
**Boilers- Heaters – Absorption chillers – Waste Recovery – Bag Filters – Electrostatic precipitators –Air compressors –Cooling Towers**

**56/6 The Green Place Building, Soi Bangna-Trad 32, Bangna-Trad Road, Bangna, Bangkok 10260, Thailand  
Tel: (662) 040-2681 Fax (662) 040-1531**

[www.e3asia.net](http://www.e3asia.net)

## E 3 Asia Company Limited

**Chiller Performance On 05.04.2021 After Successful Job Executed by E 3 Asia Team. Delivering around 590 To 600 TR.**



### Customer's comment:



Wed 4/7/2021 9:29 AM

Somporn Aungpudza <Somporn.au@gulf.co.th>

RE: Chiller No. 2 Enhancement In Output - Successfully Achieved

To Shailesh Teli; Awirut Chana

Cc 'Krishna Tiwary'; salesupport@e3asia.net; 'Kanisorn'; Udon Wongungwan; admin@e3asia.net; chillerservice@e3asia.net; marketing@e3asia.net; support@e3asia.net; Nithat Wongsil

Dear Shailesh Teli,

I'm on behalf of GNNK. I'd like to say thank you for 1<sup>st</sup> Chiller No. 2 Enhancement In Output - Successfully Achieved. We hope 2<sup>nd</sup> Chiller could be achieve also. Please you plan early commissioning Chiller No.4 on Fri 9 Apr krub. Then we will issue PO for next Chiller No.1&3 soon.

best regards



Somporn Aungpudza | Maintenance Manager  
Gulf JP NNK Company Limited

**Boilers- Heaters - Absorption chillers - Waste Recovery - Bag Filters - Electrostatic precipitators -Air compressors -Cooling Towers**

**56/6 The Green Place Building, Soi Bangna-Trad 32, Bangna-Trad Road, Bangna, Bangkok 10260, Thailand  
Tel: (662) 040-2681 Fax (662) 040-1531**

[www.e3asia.net](http://www.e3asia.net)