



PLTMG KIM STAR 30 MWe

Tanjung Morawa, Deli Serdang
Sumatera Utara

 **Nadika**
Independent Power Producer

Djautama Group Office Building
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www.djautamagroup.co.id

Nadika

Independent Power Producer

Background



Widjaja Jauw

PT Nadika Listrik Mandiri (Nadika), formerly known as Napalima, is an Independent Power Producer (IPP) company and a member of Djautama Group. Nadika have been operating gas engine power plant in Jakarta since 2005.

Our projects were located in Mangga Dua Square, Mall Taman Palem, Central Steel Indonesia (Ciujung, Banten), and Pembangkit Listrik Tenaga Mesin Gas (PLTMG - Gas Engine Power Plant) KIM Star (Tanjung Morawa, Sumatera Utara).



President Director:
Widjaja Jauw
Commissioner:
Juniaty Rianto

Nadika

Independent Power Producer



Engines : 15 Units DEUTZ TCG 2020 V20
2 Units DEUTZ TCG 2016 V16

Gas Supply:
PERTAGAS NIAGA or PGN

Civil Works:
PT TAMORATAMA

Soil Test: WIKA

Mechanical & Engineering:
PT VENTURINDO ENGINEERING

Trafo: PT TRAFINDO

Operation: PT NADIKA LISTRIK MANDIRI

Maintenance:
PT KALTIMEX ENERGY

Project Name : PLTMG KIM Star 30 MWe PT Nadika
Location : Kawasan Industri Medan Star (KIM Star)
Jl. Pelita Raya I No. F30 Tanjung Morawa – Lubuk Pakam, SUMUT
Business Area : No. 4/1/PWUPTL/2015 Tgl. 8 Oktober 2015. BKPM ($\pm$ 31.16 Ha)
Permit : No. 671.3/262/BPPTSU/2/XI/2015, GUBSU Tgl. 21 Desember 2015.
Capacity : 30 MWe (Installed)
Engine : 17 unit Deutz made in Jerman year 2005 High Speed

Combined of :

15 unit Deutz type TCG 2020 V20 capacity @1.920 MWe (1.920 kWe)

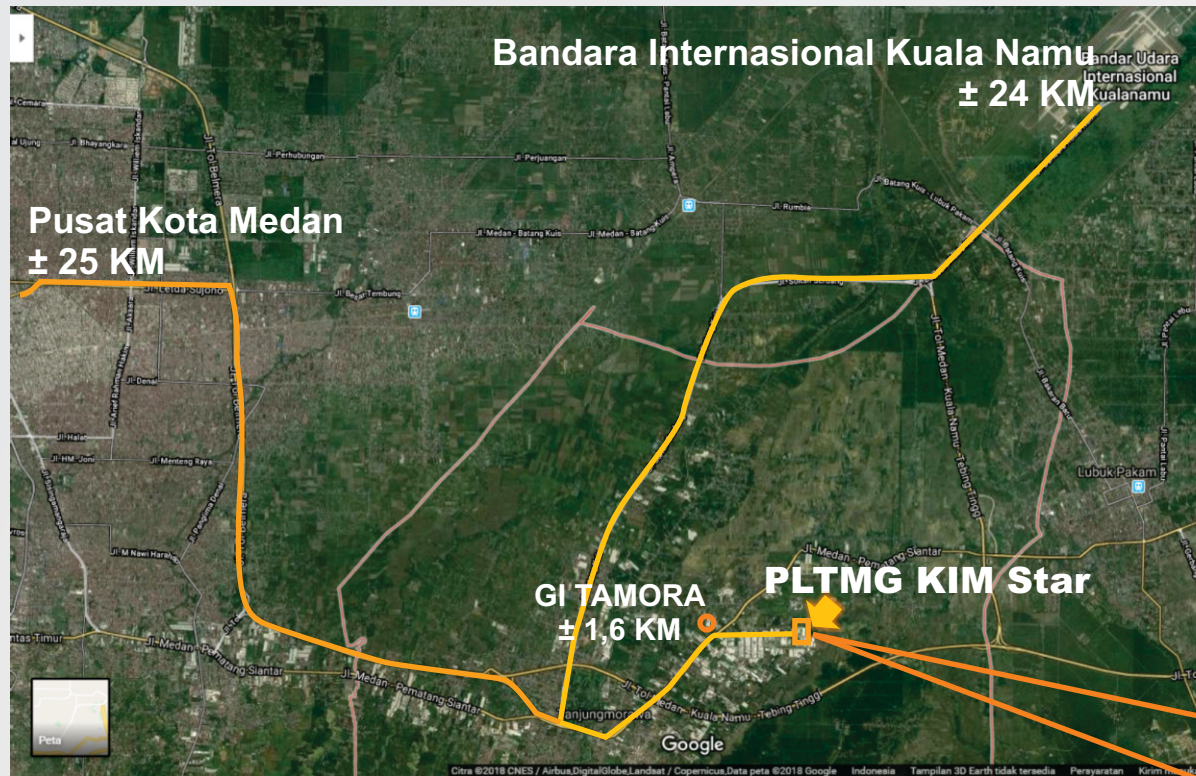
2 unit Deutz type TCG 2016 V12 capacity @ 0.6 MWe (600 kWe)



PLTMG KIM Star

Business Scheme : IUPTL-Holders Partnership
(PERMEN ESDM No. 01 Tahun 2015)

Electricity Supply : 20 MW - 24 MW at 20 kV



Located in Kawasan Industri Medan (KIM) Star, PLTMG KIM Star is ± 24 KM from Internasional Airport Kuala Namu and ± 25 KM from Medan. PLTMG KIM Star is pretty close to Gardu Induk PLN (Substation), Gardu Induk Tanjung Morawa (Tamora) ± 1,6 KM.



The yellow-shaded area is Wilayah Usaha Kelistrikan (WUK - market area for electrical business) belonging to Nadika



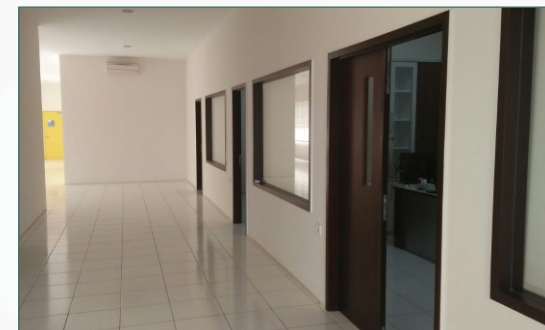
Aerial view of PLTMG KIM Star.

Nadika
Independent Power Producer

Documentaries



PLTMG KIM Star



Nadika

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Documentaries



Nadika

Independent Power Producer

Documentaries

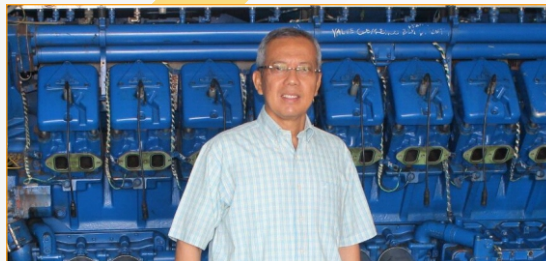


PLTMG KIM Star

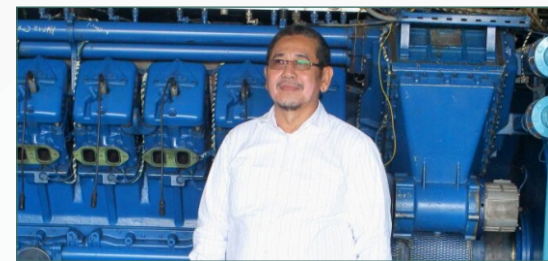


Nadika
Independent Power Producer

Tim PLTMG KIM Star



Irwan Zainal Nasution
Site Manager



Maridi
Head of Operation

Nadika

Independent Power Producer

Tim PLTMG KIM Star



Technical & Administrative Progress:

- Gas Supplier: PERTAGAS
- NIAGA & Installation
- Commissioning
- SLO
- IUPTL Tetap
- COD



Business Model:

1. B-to-B Price Evaluation, *Open Book*.
2. Component C *Pass Through*.
3. Gas:
LNG by Pertagas Niaga (ISO Tank LNG)



Gas Supplier Selections:

LNG ISOTANK CONTAINERIZED
from Arun to KIM STAR via land
5 MMSCFD
8 CONTAINER STORAGE
VAPORIZER

1. The Power Plant is located right in the load center of an Industrial area in a developing region, Deli Serdang, Sumatera Utara.
2. The Power Plant has the capability to operating on Island mode to maintain the quality and quantity realibility of the electrical output.
3. 1,6 KM away from GI Tamora (Substation), while the nearest exixsting power plant is located in Belawan. Reducing the potential Grid Transmission Losses.
4. The Power Plant has a back up engine sized under 2 MW to preserve and maintain the Power Plant reliable.



PLTMG KIM Star

