

Start-Up Journey: What's Next? Continuous Catalytic Reformer (CCR)

The CCR is designed to process the hydrotreated heavy naphtha from the NHT to produce high octane reformates such as gasoline blending components.

The CCR also produces sweet off-gas H2 rich gas for the Refinery pressure swing and un-stabilised sweet LPG for SGP.

On 16 May 2022, we have successfully charged Hydrotreated Heavy Naphtha from NHT into CCR.

Significant Activities

Feed Section

- Heavy Naphta (HN) feeds to CCR comes from the bottom of NHT Naphtha splitter.
- Sulfiding agent is added to prevent coke formation in fired heaters and on
- Feed is mixed with recycled hydrogen and preheated to required reactor

Reaction Section

- Converting aliphatic hydrocarbon chain into aromatics hydrocarbon.

Compression and High Pressure (HP) Adsorption Section

- Cools down compressed gas and separates the condensed Hydrocarbon.
- Removes Chloride from H2 rich gas.
- H2 rich gas is routed to the Continuous Catalytic Reformer Refinery

Stabiliser Section

- Recovers maximum quantity of Liquefied Petroleum Gas (LPG) from
- Remove chloride from separating liquid.
- LPG is routed to the SGP Unit.
- Cooling down product for storage.

Significant Milestone The first shipment for Liquefied Petroleum Gas (LPG) 30 May 2022



The LPG vessel seen docked at the Pengerang Terminals (Two) Sdn Bhd (PT2SB)

PRefChem and PT2SB teams discussing on LPG loading



Upholding PIC's Safety

The Pengerang Region Security continues to showcase its pledge and commitment towards safeguarding PIC with the recent **CEO Parade** marching ceremony held last Tuesday on 30th May 2022 and was officiated by PRPC Senior Vice President and Chief Executive Officer, Encik Kamal Bahrain Ahmad.

The ceremony was held with 48 police officers marching in line led by Sergeant Hairul Hisam Mesman. Also present were PRPC Leadership Team members and Head of PETRONAS Group Security, Dato Seri Zulkifli Abdullah. PETRONAS Auxiliary Police officers for joining PIC and reminded the force to maintain their high level of discipline, while instilling a strong level of integrity and working together as a team.

He commended the police team for their commitment and readiness to protect PIC, now more than ever, as we have launched and progressed with start-up. "I am confident that with the introduction of the new Auxiliary Police drone surveillance team and the Auxiliary Police Marine unit, we will be able to further enhance the security level at PIC. This is especially a prominent requirement in ensuring that our air space and sea is secured at all times, while the Pengerang Region Security duly performs to safeguard all areas to the best of its ability," he said.

A special focused recognition award was granted to two personnel for detecting unaccounted cables found in a trailer for not listed in the Material Gate Pass of the Main Gate 2 and discovered two bottles containing 1.5 litre of the prohibited "ketum" drinks hidden in the backpack of a questionable individual at the SPC Process Gate. Catching them within the close proximity of a highly secured location as PIC, certainly calls for appreciation.



Let's Marhaban Raya!

On the final day of Syawal, PRPC and PRefChem joined hands to host the first-ever PIC Marhaban Raya as the encore of this year's Raya celebration. Traditionally in Johor, this event is widely celebrated by the locals in the month of Raya. In PIC, Marhaban Raya provided a golden opportunity to showcase the management's commitment to stand together with staff while boosting their morale during the crucial period following start-up.

Starting from MCB 601 at noon, leaders and staff stopped and moved to seven other locations (Engineering Building [MWB 802], CEFS, Central Lab, PePSB, MCB 602, and Solid Product Warehouse) before the last stop at the Multipurpose Hall at The HIVE Management Office (THMO) by 5:00 PM.

During Marhaban, the leaders and staff greeted each other, sending warm Raya wishes to one another while singing praises for the recent success of a smooth and efficient start-up. To mark the celebratory feeling further, the offices were filled with colourful decors accompanied by traditional Hari Raya songs to uplift the mood of the evening.



Tazkirah



"Dan sesiapa yang bertaqwa kepada Allah (dengan mengerjakan suruhanNya dan meninggalkan laranganNya), nescaya Allah akan mengadakan baginya jalan keluar (dari segala perkara yang menyusahkannya), Serta memberinya rezeki dari jalan yang tidak terlintas di hatinya. Dan (Ingatlah), sesiapa berserah diri bulat-bulat kepada Allah, maka Allah cukuplah baginya (untuk menolong dan menyelamatkannya). Sesungguhnya Allah tetap melakukan segala perkara yang dikehendakiNya. Allah telahpun lenyut kadar masa bagi berlakunya tiap-tiap sesuatu." (Surah at-Talaq: 2-3)

Quote of the Week

“As we are progressing towards unit start up, maintaining the right mental stability and positive attitude are equally an important ingredient for ensuring smooth start up progress. These ingredients affect how we think, feel, and act with the actions driven by these elements results in level of progressive outcomes we perform daily as workers. In the end, the spectrum of positive vibes will motivate and drive you further towards excellency.”

M Amirullah Abd Razak
Mechanical Maintenance



What's Good in Pengerang?

Joining a homestay programme is a great way to experience local culture by living with a local family. Located about 50km from PIC, the homestay programme in **Felda Semenchu** gives an opportunity to everyone to experience the lifestyle of Johor Malays in Felda settlement through day-to-day activities where visitors can experience local traditional food, dances, games and lifestyle. The homestay programme in Felda Semenchu is popular among tourists from overseas, particularly from South Korea, Japan and Singapore, and the settlers have welcomed thousands of visitors from abroad every year. Visitors can also opt to experience local lifestyle for one whole day instead of staying with a family for days.

