

# Technical Visit to Continental Tyre PJ Sdn. Bhd.

MECHANICAL ENGINEERING TECHNICAL DIVISION

reported by



Nor Azilan bin Jaafar

On 5 April 2017, METD arranged a factory visit to Continental Tyre PJ Malaysia Sdn. Bhd., in Petaling Jaya, Selangor, which produces tyres made with German technology.

Opened in 1963 by our first Prime Minister, Tunku Abdul Rahman Putra Al-Haj, it was initially known as Dunlop Factory and was fully owned by Dunlop UK. In 1986, Sime Darby took over and it was renamed Dunlop Malaysia Industrial Berhad (DMIB).



Continental Tyre PJ Malaysia Sdn. Bhd.

The delegation of 7 IEM members and 30 university students were welcomed by the Head of HR, Encik Ahmad Kamal, and staff members from the Shop-Floor Training Centre.



IEM participants at the briefing

After a safety briefing by Environment Safety & Health Manager Encik Kamal Bahardin, the delegation proceeded to the shop-floor. Continental Tyre has two manufacturing facilities. One factory is located in Petaling Jaya and the other in Mergong, Alor Setar.

The PJ plant, spread over 37.5 acres, is at No. 7 Jalan Tandang. It produces commercial type tyres such as Truck and Bus Radial (TBR) tyre, Light Truck (LTX), Off Road (OTR), Earth Mover (EM) and Retread.



Continental commercial type tyres

The delegation took a close look at the making of commercial type tyres which was similar to the manufacturing of light vehicles/passenger tyres. In the Banbury mixer were the main ingredients of natural rubber SMR 20 and synthetic rubber polybutadiene. Other support materials that help strengthen the tyres include Black Carbon, Silica, Struktol, DTPD, zinc oxide.



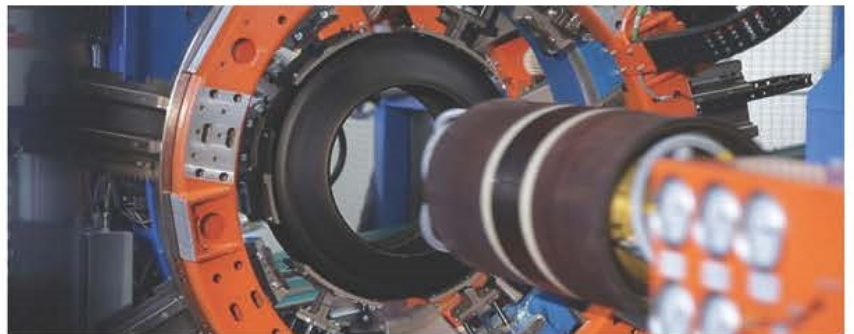
IEM participants at the briefing

Then, the delegation went on to watch the tyre manufacturing process, mostly extrusion and hot mill. Reinforced materials such as steel cord, nylon and fabric are put together in the rubber to produce plies, breakers, beads, sidewall, inner liner and tread. All these components are made in different machines. German mechanical automation and control technologies are the key pillars in the production of Continental Brand tyres.



*The IEM delegation on the shop-floor*

To conclude the tour, the delegation was brought to see the tyre building machine and tyre moulding machine where the tyre components were assembled and cooked in high pressure steam.



*Tyre Building Machine*

The tyre mould machine marks the brand name, Continental Tyre, on the side wall, and creates the performance profile of tread tyre. Every tyre is fully checked by the quality assurance control department, and goes through an X-ray machine, tyre balancing machine, radial runout check and visual inspection machine.



*Tyre X-ray*

When the visit ended at 1.00 p.m., the participants were happy that they were able to see how the Continental brand tyres were produced. ■



*Group photo at Continental Tyre PJ Sdn. Bhd.*