Boosting capabilities

The Combined Platform Ladder 60m (CPL60) can extend to a height of a 20-storey building, and is equipped with a water monitor and a rescue cage that can hold up to 500kg. It was one of the SCDF's new capabilities to meet future challenges, on show at its annual workplan seminar.
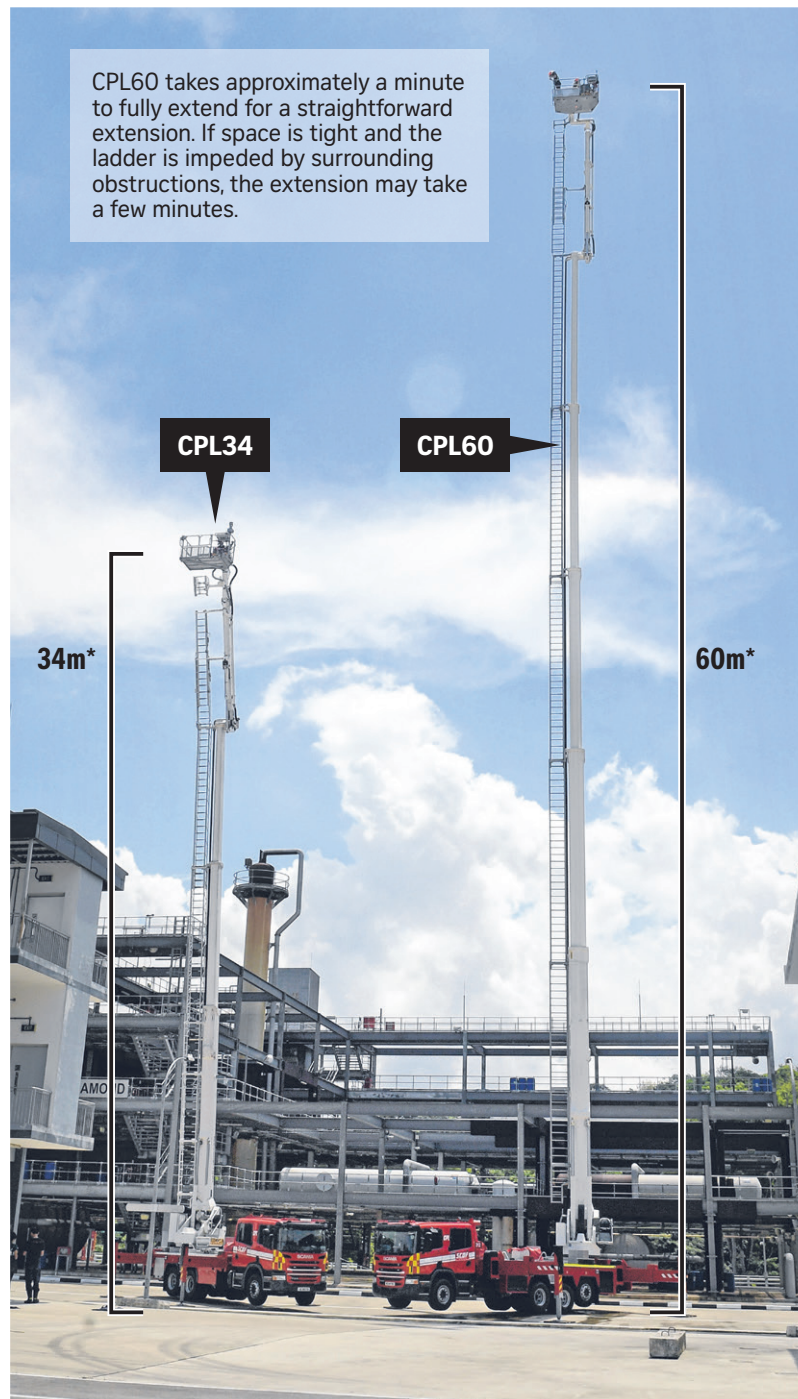

CPL34   CPL60   AL56

The Combined Platform Ladder 34m (CPL34), the Combined Platform Ladder 60m (CPL60) and the Aerial Ladder 56m (AL56).

An SCDF officer operates the control station in the CPL60's rescue cage, starting the ladder's upright extension. Pillar extensions prop the fire engine off the ground for greater stability.

* Maximum height when fully extended

CPL60 takes approximately a minute to fully extend for a straightforward extension. If space is tight and the ladder is impeded by surrounding obstructions, the extension may take a few minutes.

CPL34

CPL60

34m*

60m*

Other highlights

Modular Oil Tank Firefighting System
- Will increase combined output of foam solution from current 60,000 litres per minute to 100,000 litres per minute.
- Reduces the number of water monitors from four to two, saving space, especially in an oil refinery where there are space constraints.
- Less manpower needed to set up, with an automated hose retrieval system to help after operations, when fatigue sets in.
- Submersible pump unit allows for water supply to be drawn from open source, such as the sea, from as far as 50m away.

Surface Supplied Diving Equipment
- Divers from the Disaster Assistance and Rescue Team are no longer limited to about 40 minutes of air per dive for underwater operations.
- Unlimited air supply from a system on the surface, with accompanying air cylinder acting only as backup.
- Diver fully encapsulated in a dry suit and hard hat, which also protect from underwater contaminants.

Rescue Jet Skis
- The SCDF's Marine Division will use them in shallow water operations, as there is no fear of grounding.
- It allows for quick access to casualties, with a top speed of 90kmh.
- Each of the division's two rescue jet skis will have a towing sled attached at the back to facilitate the rescue of casualties in water.

Automatic Speech Recognition 995
- System will listen to and detect a caller's speech, and automatically transcribe it onto a screen in front of the call-taker.
- Programmed to recognise the four main languages – English, Mandarin, Malay, Tamil – and Singlish.
- Call-taker no longer has to do dual task of listening and recording information.