

City of Tshwane strengthens Emergency Services department with state-of-the-art aerial fire fighting ladders, the first in Africa



The City of Tshwane has invested in three state-of-the-art E-One aerial fire fighting ladders from Fleet Africa on a full maintenance lease; one

E-One Type 1 aerial ladder and two E-One Quint aerial ladders. The apparatus were handed over at an event held in October 2021 at Tshwane House in Pretoria.

An E-One Type 1 aerial ladder

The E-One Type 1 aerial ladder has a 41,75m all-welded aluminium fully enclosed tilt cab and body main frame aerial ladder built on Cyclone II chassis, with the capacity to reach up to 13 storeys high. The four-door cab meets and exceeds ECE R-29 crashworthiness standard and offers seating for six responders ie a driver and five crew, with three-point seatbelts installed for all crew members including five breathing apparatus (BA) seats.

The appliance also has ground ladder storage at the rear with one 3m folding attic ladder, two 4,8m roof ladders, one 7,3m two-section and one 10,6m three-section ladder. There is also a pike pole storage with six pike poles located to side of ladder storage ▶



The E-One Type 1 and two E-One Quint aerial ladders were handed over at an event held Tshwane House in Pretoria



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Wayne Taylor
+27 (0)82 857 2353
wayne.taylor@fleetafrica.com

Dev Gounder
+27 (0)83 979 7398
devaraj.gounder@fleetafrica.com

www.fleetafrica.com/e-one

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The turntable platform is mounted at the rear and there is a secondary operator's position at the tip of the aerial ladder.

Two E-One Quint aerial ladders
The two E-One Quint aerial ladders have a reach of 33,53m and are also built on Cyclone II chassis. The all-welded aluminium fully enclosed tilt cabs have four doors and seating for a driver plus five crew with standard safety features such as roll cage cab. The cab has front and side airbags with three-point seatbelts installed for all crew members including five BA seats.

The E-One Quints have a 6 000l/min at 1 034 kPa single-stage pump, a 3 786l/min 102mm waterway to monitor discharge (pinned at 26,5m level) and double 38mm cross-lay with 50mm plumbing. There are two 65mm side discharges with BSS couplings on both sides.

The Quint aerial ladders have a 1 800-litre polypropylene water tank, a 113-litre foam tank, a 101mm rear waterway inlet and an automatic relief valve is installed in the aerial waterway.

There is ground ladder storage at the rear with NFPA ladders and pike pole storage with six pike poles located to side of the ladder storage.

Additionally, the ladders have point cameras to have a clear view from the ground on what is happening inside a building.

Alderman Randall Williams, executive mayor of Tshwane, said, "Last night, I joined MMC Karen Meyer and the City of Tshwane Emergency Services leadership team and department to unveil their new, state-of-the-art, aerial fire fighting ladder appliances. These trucks are the first of their kind to be deployed to an African city and will significantly enhance the capabilities of Tshwane's Emergency Services department. These vehicles are truly impressive and will support the department in their mission to protect the lives of residents, their properties and infrastructure across the city." ▲



- ▶ and a Little Giant 5m ladder mounted on the left side compartment top.

The E-One Type 1 aerial ladder has a 6 626l/min at 1 034 kPa single-stage pump, a 3 786l/min 102mm waterway to monitor discharge (pinned at 33.5m

level), double 38mm cross-lay with 50mm plumbing and two 65mm side discharges with BSS couplings on each side. The ladder has a 1 100-litre polypropylene water tank, a 113-litre foam tank and an electronic foam proportioning system.