

# Columbus McKinnon

## Columbus McKinnon Supplies Height-Adjustable Roof Working Platforms for Maintenance and Repair of Bus Fleets

Municipal transport companies are increasingly using the new height-adjustable roof working platforms.

Columbus McKinnon serves the market with its special lifting solutions from their Pfaff-silberblau and STAHL CraneSystems brands. Especially regarding buses the implemented solution is used to safely and efficiently carry out maintenance and repair work on the roofs and windows of buses. Columbus McKinnon has already delivered several such systems throughout Europe.

### Flexible Concept for Ergonomic All-Round Safety Guards

Thanks to the flexible modular concept with adjustable heights and different segment lengths, the roof-working platforms can be adapted quickly and flexibly to all buses. The electromechanically extendable working platforms and sliding safety guards at the front and rear ensure ergonomic all-round fall protection, regardless of which fleet vehicle is in the work bay. The mechanics can safely reach

*Roof-working platforms provide a safe working area and give the mechanics access to the battery system of e-buses*







The roof-working platforms from the Pfaff-silberblau brand

their workplace on the roof of the vehicle via height-adjustable stairs. Optional components such as various crane systems, lighting equipment, signalling systems or monitored access doors increase efficiency and safety.

### New Challenges Presented by Electric Mobility

Nowadays more and more buses are battery-powered. This kind of articulated electric bus has ten powerful high-voltage battery packs with a total capacity of 330kWh, which ensure an appropriate range. In contrast to conventional buses, which run on diesel and require hardly any work on the roof, electric buses require more maintenance work on the roof, because heavy electrical and other high-maintenance components, such as battery packs as well as fuse boxes, inverters and air conditioning systems, are located there for

the sake of convenience. These components require regular maintenance. There are also additional hazards and challenges for the maintenance crew due to the rounded plastic roofs.

The entire system can be supplied as a turnkey solution with the roof-working platform from Pfaff-silberblau and an integrated ST electric chain hoist from STAHL CraneSystems. The ST chain hoist range from this

With these kinds of solutions, municipal bus operators can ensure safe working conditions even with mixed vehicle fleets. The flexibly adaptable roof-working platforms set high safety standards, by minimising hazardous areas where people could fall and providing ergonomic access to the vehicle roof.





manufacturer is regarded by users as powerful, reliable and undemanding in terms of maintenance and energy consumption. The ST modular system allows numerous combinations of the sub-assemblies for customised solutions and adjustment heights in the load capacity range from 125kg to 6,300kg. With the hoist, loads such as batteries or other heavy components can be conveniently and ergonomically replaced on the roof of the vehicles.

With these kinds of solutions, municipal bus operators can ensure safe working conditions even with mixed vehicle fleets. The flexibly adaptable roof-working platforms set high safety standards, by minimising hazardous areas where people could fall and providing ergonomic access to the vehicle roof. They provide fleet operators with modern, safe and reliable mobility. Due to short set-up times, the vehicles are quickly ready for operation again, and their operating times in transport use are extended.

## Safety for Fleet Operators from Planning to Commissioning

Columbus McKinnon's service package ranges from the planning of the working platform to the commissioning and training of the personnel. Installation in new buildings and existing halls is preceded by comprehensive consultation and analysis of the current infrastructure. The company also offers a comprehensive after-sales service, including long-term maintenance contracts and a spare parts service.

For more information visit our [website](#) or [contact](#) one of the team.



The roof-working platforms from Pfaff-silberblau on the side & the crane from STAHL CraneSystems above are a very common combination among customers