

CASE STUDY

Carter Ground Fueling use Microbus M-PC platform

Background

Carter Ground Fueling Ltd. (part of the Argo-Tech Corporation), based in Maidenhead, UK, is the world's leading supplier of fuel delivery software and hardware to the airline industry. Their applications can be found at over 200 airports worldwide and on every continent.

The Challenge

Carter Ground Fueling realised that pressing business and technical drivers required the development of a replacement for the existing Vehicle Information System element of their refueling bowsers.

The Solution

The Microbus M-PC ruggedised vehicle computer was specified by the development team to be mounted in their updated AvR2057 refueling system, which is integrated into bowsers and other types of refueling vehicle at major airports to perform data collection functions before and during the refueling operation.

Controlled through the computer's 8 inch high-brightness colour touchscreen, the system also provides highly sophisticated scheduling, monitoring and management capabilities.



The Benefits

This new concept was launched by Carter Ground Fueling at the Ground Services Equipment show in Las Vegas the following year to much acclaim and has since become a well-established part of their AvR2000 Aircraft Refueling Management System. Carter Ground Fueling has acquired many new customers and developed significant new business from existing customers with the new system.

Vic Goddard, the then development Manager at Carter Ground Fueling said, "The new system had to meet a number of emerging market needs. The generous performance and connectivity of the Microbus M-PC computer has enabled us to achieve and exceed our goals, and gain a competitive advantage."

The M-PC provides vastly more computing power in a familiar PC-like environment and provides a wide range of electronic interfaces to meet increasing demands for the interconnection of on-vehicle systems. The Windows platform offers the potential for simplified software development and support, and the availability of both wireless LAN and GPS to open up many new operational benefits.