

Onboard Data Centre



Nomad's 'Onboard Data Centre' is cloud computing at the edge, bringing computer data storage and processing onboard where it is needed. This virtualised on-board connectivity computing platform helps train builders create trains for the future.

The Data Centre can support both Nomad and 3rd party applications, providing one common place with open Application Programmable Interfaces (APIs) for secure data sharing between applications.

With technology evolving all around us, our 'Onboard Data Centre' gives the freedom and flexibility to integrate selected train systems, making it maintainable and future proofed. This solves the challenge of physically commissioning hardware on a train, even when you don't know at that time what applications you may need in the future. This means train operators can adapt to developing market and customer needs, building the foundation for intelligent services, today and in the future.

Key benefits for you

- A scalable future-proofed cost-effective path towards fleet modernisation
- The reassurance that the fundamental building block for all on-board connected services is in place when further integration is needed
- Supports effective data and security management

Applications-as-a-Service



Applications-as-a-Service refers to the delivery of computer software applications as a service via the internet. This software has been gaining an increasing share of the market, due to the cost savings and efficiency gains it can offer to organisations, regardless of their size.

Applications-as-a-Service provides financial benefits to organisations by eliminating the expense of individual user licenses which normally accompany traditional on-premise software delivery.

Applications-as-a-Service is a key focus in the customer experience space, supporting media and infotainment services. Now that analytics is high on the agenda, applications such as Nomad's passenger counting, can now all be hosted and operated on Nomad's Onboard Data Centre.

Key benefits for you

- Applications can provide better services to train operators and passengers
- Increased efficiency, by distributing and managing applications for all users at a single point – on the 'Onboard Data Centre'
- Applications-as-a-Service eliminates many software integration issues, giving results including:
 - improved reliability of applications
 - increased availability of applications
 - increased security of applications
- Greater data storage, personalised computing, sharing and collaboration and on-demand scaling (adding more when you need it)