

A high-speed train, likely a TGV, is shown in a large, well-lit depot. The train has a white body with red and grey accents. It is parked on tracks, and another similar train is visible in the background. The depot has a high ceiling with industrial lighting.

# Rail Fleet Availability Management (FAM) Solution





---

## Real-time asset management

---

Arcadis Gen's Rail Fleet Service Management (FAM) provides business users the ability to integrate the composition and status of their fleet with the maintenance and examination work carried out in the more traditional asset management related processes.

Fleet Planners are presented with a dashboard allowing them to easily drag and drop units into trains and compositions, unit status is displayed by a configurable set of shapes, colours and icons to allow an instant overview of asset condition. Shunting, coupling and the assignment to service can all be associated with restrictions and events. Restrictions ensure units cannot be built into service or dispatched within FAM.

Yard and Service Management processes make use of the Arcadis Gen's FAM modules within Maximo. Managing the safe release of fleet vehicles into service is a key benefit and result of the integration of Maintainers and Technicians completing work and Fleet Planners organising compositions and assigning them to diagrams and routes.

Arcadis Gen's industry solution is available as a core set of business processes, features and associated data structures. These can be supplemented with a variety of process sets as optional bolt on's. Each process bolt on set comes with its own data structures, processes, roles and features to expand the core offering.





Key Features

## Yard Management

Depot/Shop Management	Work Management	Administration
Coupling and train configuration	View open work orders for Units and Compos	Linked to Asset Register
Shunting	View info at Unit, Compo and Road level	Depot/Sidings/Road setup
Turning	View history at the Unit and Road level	Units and Cars registration
Stock moves		
Stopping Trains		





## Key Features

### Service Management

Timetabling and Trip modeling	Service Management	Work Management
Multiple timetables	Service preparation (trains to timetable)	Safety interlock - Open Work preventing departure
Interstation trip timings	In service, Scheduled Arrivals and Departures tabs	View Work Orders at the following levels: Unit, Compo, Location, Scheduled Departures, Scheduled Arrivals, In Service and Arrived Trains
De-icing routes	Swap over and Changeover	
Timetables upload and import	Multi-depot view	





## Enterprise-wide Efficiency

Single source of truth, in a single system, covering depot layout, units in service and their predicted timings.

Ease of use allows for a simple process changes and minimal training.

Seamless integration with work management due with real-time updates of outstanding work on units contained within the same solution.

Facilitates prioritization of work for maintainers through a view of what units are scheduled on which services.

A view of upcoming planned maintenance activities and the mileage/kilometres before they are due.

## Safety

Control of who is making the decisions to build units into service whilst allowing read-only visibility to others.

Clear visibility of outstanding safety critical work, accompanied by rules restricting entry into service, using traffic light markings.





# Simplicity and clarity

## Timetable and Service Scheduling

- Automatic timetable loading negates need for manual timetable intervention
- Less time spent compiling and maintaining the train service thus reducing administration time
- Fully configurable features ensure that managing the fleet abides by the organisation's standards and processes

## Business Rules

- Validation of capacity of roads and compatibility of units by class when simply dragging and dropping
- Business rule configuration to restrict service departures
- Activities such as coupling operations can update meters, driving maintenance schedules
- Restrictions on coupling actions between classes of Units to match real world capabilities

## Service Management and Unit Returning

- The ability to change units onto new routes and runs in service
- Automatic triggering of cleaning, or check listing work orders on arrival of service
- Support for meter readings to be manually entered or automatically updated representing distance travelled, service days or hours



## Next generation software underpinned by a century of asset expertise

Gen is the global digital business from leading design and consultancy Arcadis. We're on a mission to create next generation digital products that transform our industry and help organizations of every shape and size unleash the power of their data. We bring a unique blend of deep asset knowledge, industry expertise and advanced analytics to help our customers generate what's next.

Find out more at [www.arcadisgen.com](http://www.arcadisgen.com)

## Get started today

Arcadis Gen's maturity pricing options allow you to pick the level that is right for you, making it more affordable and ensuring that you only get what you need. The levels are considered with respect to the ISO55001 standard for asset management. The Yard and Service Management Processes are available at the Optimizing and Excellence maturity levels.

Improve reliability of fleet assets across your portfolio

---

Reduce maintenance costs by up to 20%

---

Improve forecasting to yield up to 20% in savings

---

Make real-time decisions with confidence

## Find out more

To find out more about how Rail can help your business, contact us at [hello@arcadisgen.com](mailto:hello@arcadisgen.com)

Learn more at [www.arcadisgen.com](http://www.arcadisgen.com)

