



# **Austrics 24.1**

## **Release Notes**



# TABLE OF CONTENTS

## Contents

INTRODUCTION.....	3
NEW FEATURES.....	3
Windows - Optimisation Job Management - Job comparison.....	3
Windows - Fleet optimisation and Schedule Data Creation depot selection .....	4
Optimisation expanded to respect repositioning discharge rates.....	4
UPDATES / IMPROVEMENTS.....	5
<b>Windows Application</b> .....	5
AM-7788 – Unable to edit files unless the work folder is created .....	5
AM-6954 – Foreign character in connection alias .....	5
AM-7714 – matcon keywords.....	5
AM-7713 – matcon shift class selection .....	5
AM-7791 – Description fields.....	5
AM-7791 – Matoptp file user defined soft objectives.....	5
<b>PLAN</b> .....	6
AM-7712 – Map data edits .....	6
AM-7643 – Enable turn restriction .....	6
AM-7490 – Edit base & variants .....	6
<b>FLEET</b> .....	6
AM-7715– Node Layout .....	6
AM-7641 – Charger types .....	6
AM-7629 – Trip detail report .....	6
AM-7617 – EV SoC warning & errors .....	6
<b>CREW</b> .....	7
AM-7440 – Optimiser re-numbering warnings.....	7
AM-7543 – Driver journals – Duplicate walk .....	7
AM-7142 – Driver journals – Show Zpath route .....	7
<b>ROSTER</b> .....	7
AM-7571 – Roster Planner – Import speeds.....	7
<b>Exports</b> .....	7
AM-7645 – TIMS export output .....	7
RELEASE NOTES:.....	8

## INTRODUCTION

Austrics 24.1 introduced several improvements to both the user experience and additional scheduling functionality. This includes the ability to easily compare different optimisation jobs, expanded optimisation job management validation and the ability for the optimiser to respect repositioning depletion rates for electric vehicles.

So, what else is included in this release?

## NEW FEATURES

### Windows - Optimisation Job Management - Job comparison

There is now the ability to compare multiple job statistics in the Job Management Tool. The user can do this by selecting the required jobs from the list, the statistics in the below tabs will then display in columns for the required jobs.

The screenshot shows the 'Optimiser Job Management - Dataset 446' window. At the top, there is a toolbar with buttons for Refresh, New Fleet Job, New Crew Job, New Variable Day Job, Generate Stats, Manual Renumber, Stop Job, Rerun Job, Download Files, and View Result. Below the toolbar is a table titled 'Optimiser Jobs' with the following data:

ID	Type	Description	User	Version	Started	Finished	Progress	State
00363	Crew	School Weekday Option 2	austrics	24.1	3/01/2024 15:04	3/01/2024 15:06	100 %	Complete
00362	Crew	School Weekday Option 1	austrics	24.1	3/01/2024 15:01	3/01/2024 15:03	100 %	Complete

Below the jobs table is the 'Job Statistics' section, which has several tabs: Progress, Parameters, Summary, Constraints, Timetable, Vehicle, Crew, Errors, Job Output, and Files. The 'Summary' tab is active, showing a comparison of statistics for Job 363 and Job 362:

Name	Job 363	Job 362
hard	0	0
shifts	13	13
bus num	6	6
minutes	6335	6335
mins wkd	6335	6335
d spread	8864	8864
Total bus time worked	4808	4808
Average minutes worked per shift	487.3	487.3
Average minutes paid per shift	487.3	487.3
Total discharge amount-of-charge	0	0
Total recharge amount-of-charge	0	0

An 'Export' button is located in the bottom right corner of the Job Statistics section.

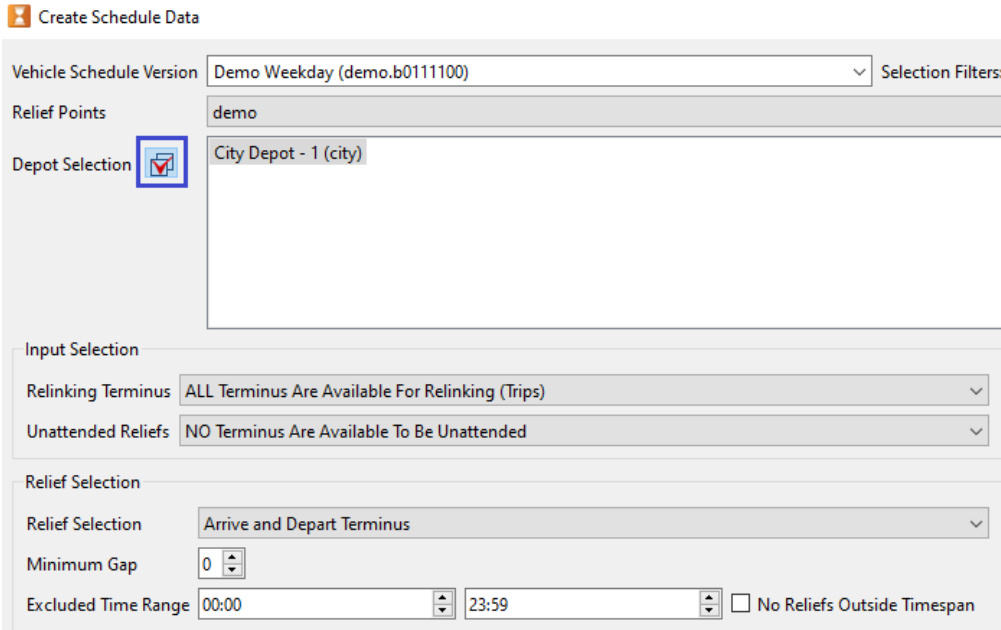
If an export of these key statistics is required, an export button in the bottom right corner will provide the output in CSV format.

You will also notice the stats are now in a structured format instead of the raw text outputs for jobs run in this version or later.

Windows - Fleet optimisation and Schedule Data Creation depot selection

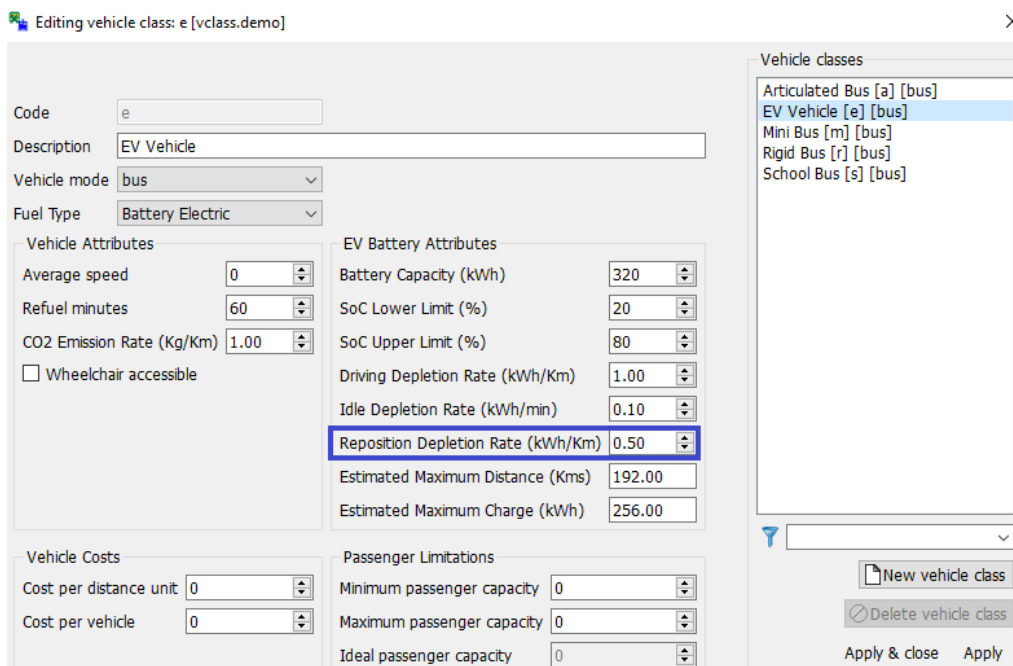
Multi column depot selectors have been added to the new windows interfaces. This gives the user the ability to see a higher number of depots without scrolling. There is also a new filter added which will display only the selected depots.

The filter can be seen highlighted below:



Optimisation expanded to respect repositioning discharge rates

Matcru and matopt optimisation programs have been expanded to respect and optimise the dead running depletion rates from the Vehicle class file.



## UPDATES / IMPROVEMENTS

Several updates and improvements to existing functionality are also included in this release. These items have been broken down into the relevant Austrics module below:

### Windows Application

#### AM-7788 – Unable to edit files unless the work folder is created

When a new dataset was created with the windows application, if the Work Folder was yet to be created, the user was unable to edit base data files. This has been resolved in A24.1.

#### AM-6954 – Foreign character in connection alias

If a user logged into the Windows client with a foreign character in the alias, this could cause an issue with the users' defaults. This has been resolved in A24.1.

#### AM-7714 – matcon keywords

Additional matcon keywords have been added to the windows client to match the available -linux keywords.

#### AM-7713 – matcon shift class selection

When there were commas in the description of the shift class in the award file, on the odd occasion when selected, this could be passed through in the matcon editor as a new line. This has been resolved in A24.1.

#### AM-7791 – Description fields

Change made to display the correct descriptions over multiple reports.

#### AM-7791 – Matoptp file user defined soft objectives

The matoptp file loses User-Defined soft objectives if saved alongside matcon file that does not define them. This has been resolved in A24.1.

## PLAN

### AM-7712 – Map data edits

Network planner in the odd case was not saving map data changes, this has been resolved in A24.1.

### AM-7643 – Enable turn restriction

Enable turn restriction setting was not displaying correctly when the Network Planner is closed and reopened. This has been resolved in A24.1.

### AM-7490 – Edit base & variants

Edit base and variants was creating the repositioning variations but was not saving them when the tool was re-started. This has been resolved in A24.1.

## FLEET

### AM-7715– Node Layout

When a node layout is displayed in the zig zag view, if a trip was duplicated or created, the node layout was lost. Resolved in A24.1.

### AM-7641 – Charger types

Multiple improvements made with the validation and stableness of the current charger type file.

### AM-7629 – Trip detail report

The trip detail report was failing to build the output, this has been resolved in A24.1.

### AM-7617 – EV SoC warning & errors

Improvements have been made to the validation warnings of Electric Vehicles state of charge.

## CREW

### AM-7440 – Optimiser re-numbering warnings

Crew jobs with re-numbering errors will now produce a warning for the user in A24.1.

### AM-7543 – Driver journals – Duplicate walk

When a walk activity has the same start & end time, a duplicate walk activity was printed on the Driver Journals. Fixed in A24.1.

### AM-7142 – Driver journals – Show Zpath route

Tick box to display the zpath route was not holding when the interface was reopened. Fixed in A24.1.

## ROSTER

### AM-7571 – Roster Planner – Import speeds

There have been significant speed improvements made to the roster import times.

## Exports

### AM-7645 – TIMS export output

If there was a foreign character such as hyphen in the export name, the data could not be found once it was created. This has been resolved in A24.1.

## **RELEASE NOTES:**

Online copies of all release notes are available at:

<https://releasenotes.trapezgroup.com.au/austrics/index.php>

For further information on any of the items in these notes, or if you have any questions or concerns regarding the Austrics software, please do not hesitate in sending an email to:

[support@trapezgroup.com.au](mailto:support@trapezgroup.com.au)