

Site Manager v3.5.35 Release Notes

1. Introduction

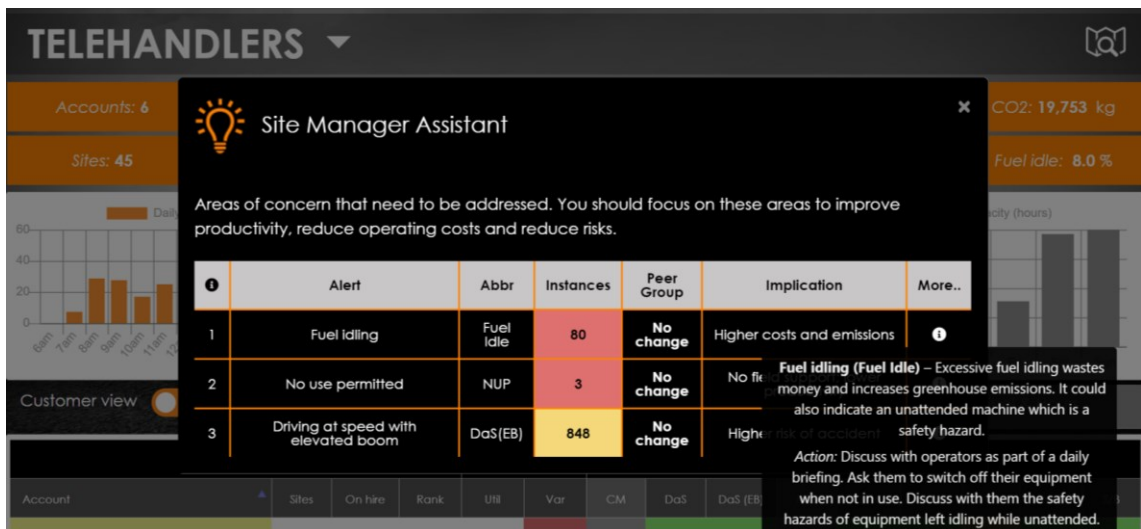
- 1.1 This version of Site Manager includes a new module, Site Manager Assistant (SMA), which can be configured to identify and prioritise key areas for improving productivity, reducing operating costs and improving site safety.
- 1.2 A new release of Site Manager Analytics provides a new user interface and functionality for comparing divisions and sites with each other.

2. Site Manager Assistant (SMA) Overview

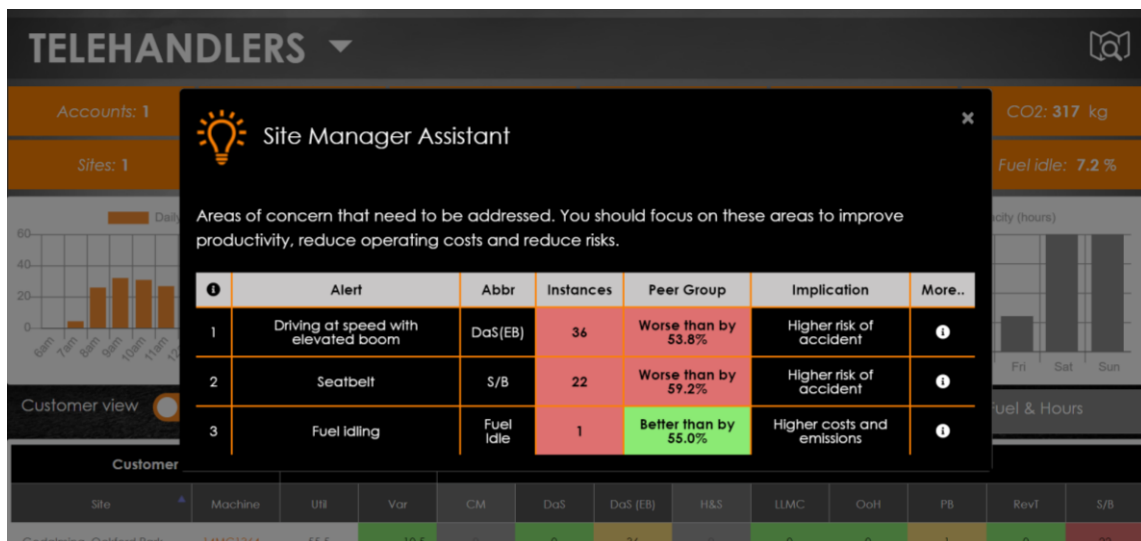
- 2.1 Site Manager Assistant (SMA) is a software utility that is part of Ardent's multi-award-winning Site Manager suite that prioritises alerts according to their impact on a customer's on productivity, safety and operating costs. Site Manager Assistant also identifies the implications of ignoring alerts and suggests practical actions for reducing them.
- 2.2 SMA must be enabled for each user and it is displayed by switching on at user profile level. Options are provided for showing the number of recommendations on screen (our recommendation is 3); an automatic pop-up when first entering the overview screen and an option to choose the peer group for comparison purposes (customer group or sector).
- 2.3 Click on the 'lightbulb' icon on the upper right-hand screen to activate SMA.



- 2.4 SMA lists the improvement opportunities and implications as below. Users can click on the 'info' icon in 'More' to identify the actions that will deliver the appropriate improvements. Recommendations are prioritised for the period selected on the upper right-hand side of the screen.



- 2.5 The peer group column shows how the division or site compares to the peer group that is set up in the user profile. To avoid any confusion a tooltip identifies the peer group setting which is activated by hovering the mouse on the peer group column header. In the example below, the peer group is set at customer group level. Here fuel idling is worse than customer group performance by 11.1%.



3. Prioritisation of recommendations

- 3.1 SMA prioritises red alerts over amber. Where there are two or more alerts of the same colour, SMA prioritises the alert with the highest number of alerts per machine over the colour threshold.
- 3.2 Note that RAG (Red, Amber, Green) colour thresholds are set at a Customer Group level which allows users to display a blend of colours to identify improvement areas. As performance improves customers can amend settings to ensure a mix of colours and encourage continuous improvement.

Colour coding key		Alerts per day per machine		
Code	Alert	Green	Amber	Red
		(< than or = to)	(> than and <= to)	(> than)
Bat	Low battery	0	0 to 1	1
DPF	DPF (Diesel Particulate Filter) regeneration required (manual or service)	0	0 to 0	0
F Theft	Fuel theft	0	0 to 0	0
Fuelidle	Fuel Idling	0	0 to 1	1
Move	Movement alert	0	0 to 0	0
NUP	No use permitted	0	0 to 0	0
Pun	Punctures	0	0 to 1	1
TP	Low tyre pressure alert	0	0 to 1	1
Util	Low utilisation	0	0 to 1	1
WIF	Water-in-fuel	0	0 to 0	0

4. Site Manager Analytics

- 4.1 A new interface now allows users to superimpose multiple graphs at division and site level. User can compare divisions against group and sector performance. Users can also compare the performance of sites within a division, against their division and against group and sector.
- 4.2 Line charts can be switched on or off, according to user preference and users can draw trends in performance. Charts can be also emailed, or saved to PDF.

Appendix: Site Manager v3.5.35 Alerts

Telehandlers				
Alert Type	Customer Level	User Level		User definable threshold setting
		Hot	Warm	
CheckMate	✓	✓	✓	✗
DPF regeneration	✓	✓	✓	✗
Driving at Speed	✓	✓	✓	✓
Fuel idling	✓	✗	✓	✓
Fuel theft	✓	✗	✓	✓
H&S	✓	✓	✓	✗
LLMC override	✓	✗	✓	✓
Low battery	✓	✓	✓	✓
Low utilisation	✓	✗	✓	✓
Movement alert	✓	✗	✓	✓
No use permitted	✓	✓	✓	✓
Out of hours	✓	✓	✓	✓
Parking brake	✓	✓	✓	✗
Punctures	✓	✗	✓	✓
Seatbelt not worn	✓	✓	✓	✓
Time in reverse	✓	✗	✓	✓
Travelling with boom in air at speed	✓	✓	✓	✗
Tyre pressure ¹	✓	✓	✓	✓
Water-in-fuel	✓	✓	✓	✗

¹ Note additional hardware required. Contact your account manager for details

<5T Dumpers				
Alert Type	Customer Level	User Level		User definable threshold setting
		Hot	Warm	
Low battery	✓	✓	✓	✓
CheckMate	✓	✓	✓	✗
Driving at Speed	✓	✓	✓	✓
Engine idling	✓	✗	✓	✓
H&S	✓	✓	✓	✗
Movement alert	✓	✗	✓	✓
No use permitted	✓	✓	✓	✓
Out of hours	✓	✓	✓	✓
Punctures	✓	✗	✓	✓
Seatbelt not worn	✓	✓	✓	✗
Seatbelt compromise	✓	✓	✓	✗
Low utilisation	✓	✗	✓	✓
Tyre pressure ¹	✓	✓	✓	✓

>5T Dumpers				
Alert Type	Customer Level	User Level		User definable threshold setting
		Hot	Warm	
Blocked Air Filter	✓	✓	✓	✗
Low battery	✓	✓	✓	✓
Low engine coolant	✓	✓	✓	✗
CheckMate	✓	✓	✓	✗
Driving at Speed	✓	✓	✓	✓
Engine idling	✓	✗	✓	✓
H&S	✓	✓	✓	✗
Low oil level	✓	✓	✓	✗
Movement alert	✓	✗	✓	✓
No use permitted	✓	✓	✓	✓
Out of hours	✓	✓	✓	✓
Punctures	✓	✗	✓	✓
Seatbelt not worn	✓	✓	✓	✗
Seatbelt compromise	✓	✓	✓	✗
Low utilisation	✓	✗	✓	✓
Tyre pressure ¹	✓	✓	✓	✓
Water-in-fuel	✓	✓	✓	✗

<9T Excavators				
Alert Type	Customer Level	User Level		User definable threshold setting
		Hot	Warm	
CheckMate	✓	✓	✓	✗
H&S	✓	✓	✓	✗
No use permitted	✓	✓	✓	✓
Out of hours	✓	✓	✓	✓
Low utilisation	✓	✗	✓	✓

>9T Excavators				
Alert Type	Customer Level	User Level		User definable threshold setting
		Hot	Warm	
CheckMate	✓	✗	✓	✗
H&S	✓	✗	✓	✗
No use permitted	✓	✗	✓	✓
Out of hours	✓	✗	✓	✓
Low utilisation	✓	✗	✓	✓

Rollers				
Alert Type	Customer Level	User Level		User definable threshold setting
		Hot	Warm	
CheckMate	✓	✓	✓	✗
H&S	✓	✓	✓	✗
No use permitted	✓	✓	✓	✓
Out of hours	✓	✓	✓	✓
Low utilisation	✓	✗	✓	✓