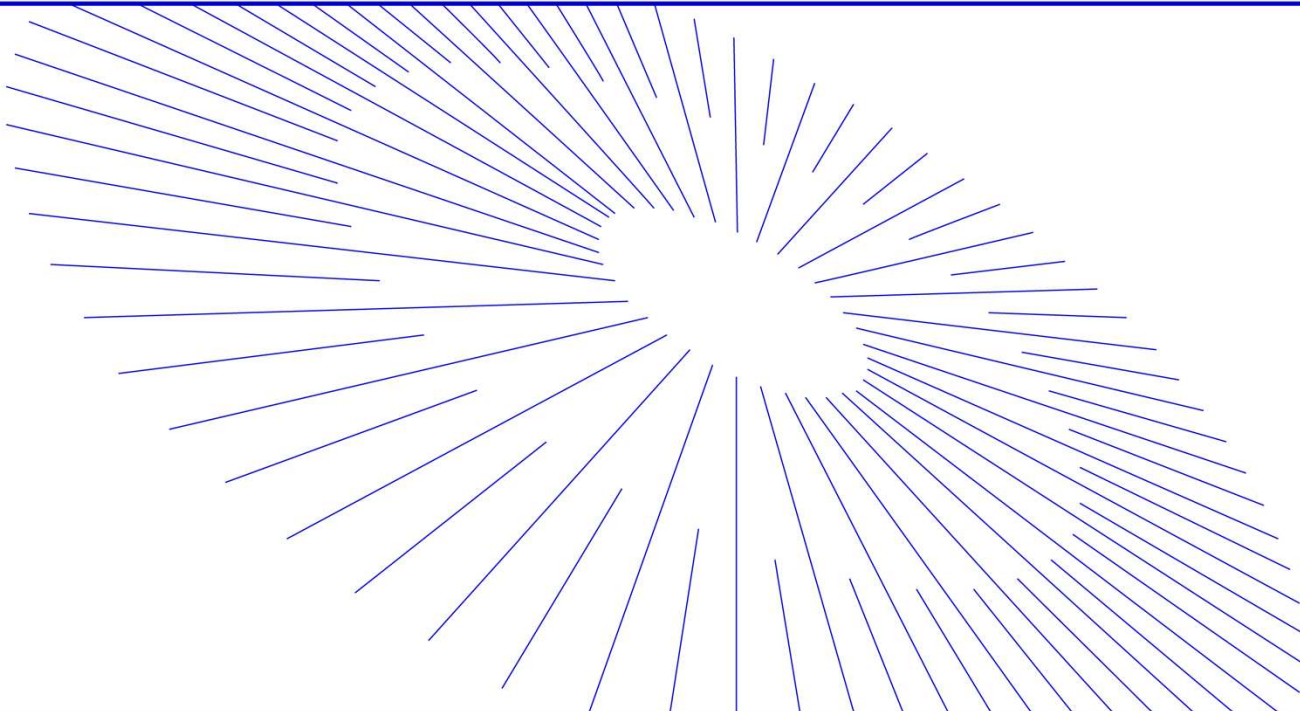


Smart Construction Whiteboard Manual



■ Before You Begin, Please Read

- This manual explains the procedures required to use the Smart Construction Whiteboard.
 - The descriptions, figures, and illustrations in this manual are based on the information available at the time of its creation.
 - If you have any questions or notice anything unclear, please contact the Smart Construction Support Center.
 - Please use the application only after understanding the terms of the Application Software User Agreement, including the conditions of the contract, warranty, and liability.
 - The application's screens and displayed content may change due to updates.
 - If there is any discrepancy between the contents described in this manual and the content displayed on the application screen, please follow the information shown in the application.
- ※ In addition, the company names and product names described in this manual are generally the trade names, registered trademarks, or trademarks of their respective companies.



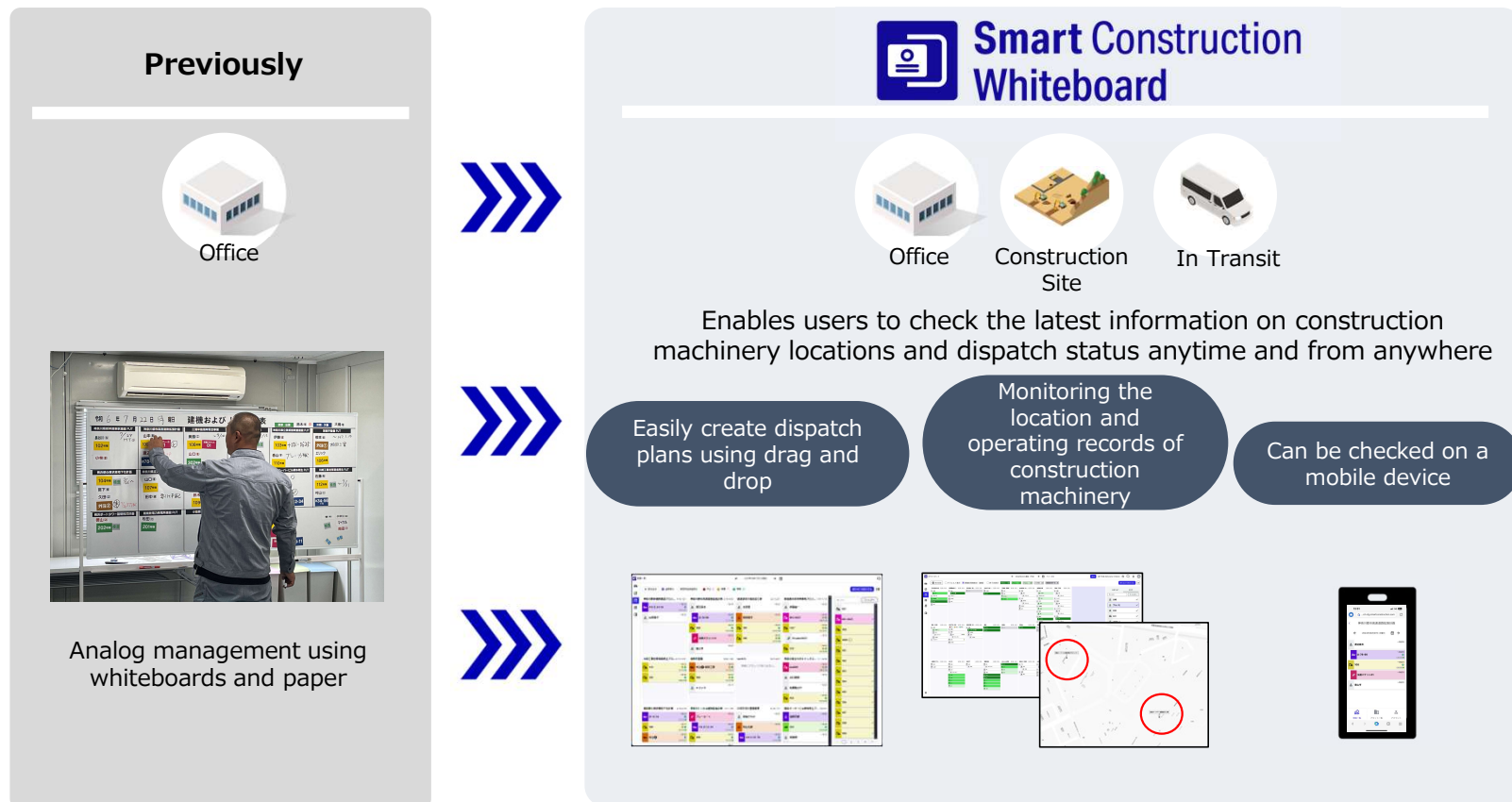
1. What Is Smart Construction Whiteboard?	<u>3</u>
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1. What Is Smart Construction Whiteboard?

1.1 Overview

Smart Construction Whiteboard improves management efficiency by digitalizing the administration of heavy machinery, workers, and attachments.



1.2 Screen Layout Overview

You can access each function from the icons on the left

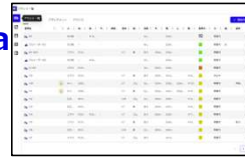
Account Settings



List of Registered Data



You can register and manage the assets used for dispatching



Navigate from the three-dot menu (This is available only for Komatsu machines in the Equipment tab)



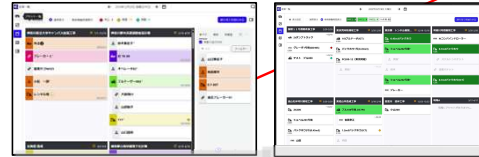
Schedule

You can review the dispatch results in a schedule-based format



Dispatch List

You can register daily dispatch plans and review their actual results



Standard Display

Vehicle Operating Time Display



Map

You can identify the positional relationships of sites and the locations of construction machinery



Billing Information

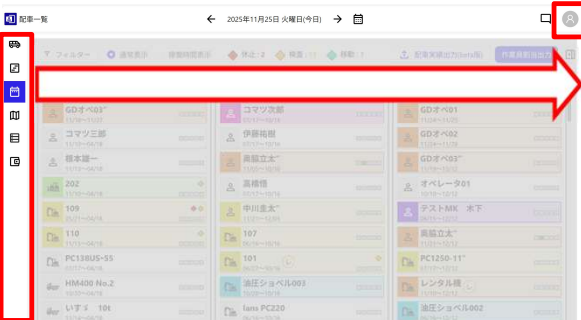
If you are using 3DMC under the pay-as-you-go plan, you can view the billing information



Equipment Operation Information



Komatsu machines allow you to check operating hours, maintenance schedules, and other related information

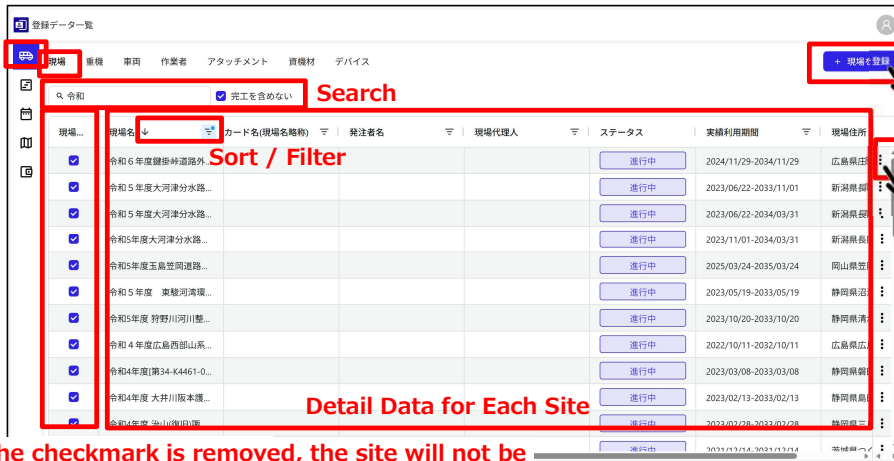


2.1 Site Tab

You can register and edit sites used for dispatch management

Screen Layout Description

① List



If the checkmark is removed, the site will not be displayed on the Dispatch List screen

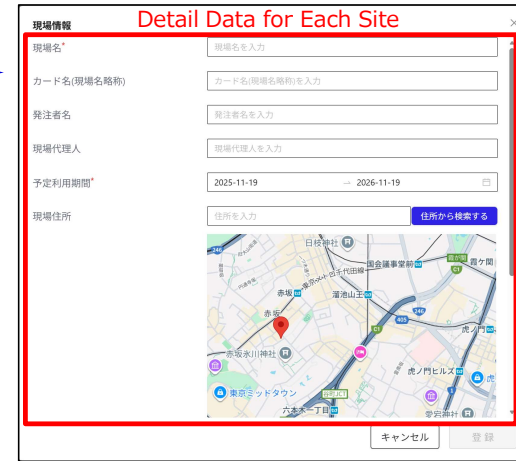
Description of Site Detail Data

Display Item	Description
Search, Sort, Filter	Allows full-text search by keywords, as well as sorting and filtering by each item
Site Display Check	This checkbox controls whether the site is shown on the Dispatch List screen, Schedule screen, and Map screen. Sites whose effective usage period has expired are unchecked by default and will not be displayed
Site Name	Enter the site name
Card Name (Site Abbreviation)	Enter an abbreviated name for the site, such as an internal nickname, which will be displayed on the Dispatch List screen. If left blank, the site name will be displayed instead
Client Name	The client name can be entered

② Registration / Editing Screen

Click to create a new entry

Click to edit



※Note: Sites cannot be deleted from the Whiteboard. Please perform deletion through the Customer Portal.

Display Item	Description
Site Manager	You can enter the name of the site manager
Status	Depending on the actual usage period, the status is classified as Not Started, In Progress, or Completed
Planned (Actual) Usage Period	The specified period controls whether the site is displayed on the Dispatch List screen ※During site registration, it is treated as 'Planned,' and during the construction period, it is treated as 'Actual'
Site Address	You can enter the site address

2.2 Heavy Machinery Tab / Vehicle Tab

You can register and edit heavy machinery and vehicles used for dispatch management

Screen Layout Description

① List

車種名	メーカー	機種-型式-機種	単価 (日)	マシンコントロール	稼働時間	稼働年月日
PC658	コマツ	PC650-8-65357		-		
PC35MR-5-33375	コマツ	PC35MR-5-33375		-		
PC200-11-506189	コマツ	PC200-11-506189		-		
PC200 (HA211850)	コマツ	PC200-11-506286		-		
PC200-11-509720	その他	PC200-11-509720		-		
PC200-11-509710	その他	PC200-11-509710		-		
PC200-11-509312	コマツ	PC200-11-509312		-		
PC200-11-509109	コマツ	PC200-11-509109		-		
PC200-11-501709	コマツ	PC200-11-501709		-		2024/04/25
PC200-10-450640	コマツ	PC200-10-450640		-		2024/12/16
PC138UJ-HA211330	コマツ	PC138UJ-11-60140		-		
PC138UJ-11-62790	コマツ	PC138UJ-11-62790		-		
PC128UJ-2-6903	コマツ	PC128UJ-2-6903		-		
D61PX-24-46388	コマツ	D61PX-24-46388		-		

Click to create a new entry

Click to edit

② Registration / Editing Screen

Basic Settings

車両編集

車両名:

保有/レンタル: 自社保有 レンタル

車種:

購入日:

[> 詳細設定](#)

Advanced Settings

メーカー: メーカー ※1 その他

機種:

型式:

機番:

単価 (日):

車格:

脚周り:

配管: なし あり

次回待自検査日:

カラー:

紐付けデバイス:

備考:

ステータス: 稼働可 休止中

2.2 Heavy Machinery Tab / Vehicle Tab

Description of Site Detail Data

Item	Description
Heavy Machinery / Vehicle Icon	This varies depending on the type of registered heavy machinery or vehicle
Heavy Machinery Name / Vehicle Name	This is a name that can be defined by the customer
Rental Icon	This icon indicates that the vehicle is a rental
Manufacturer	Manufacturer name (For Komatsu machines, the information will be registered automatically once it is registered by the SC Support Center. *1)
Model – Type – Serial Number (Heavy Machinery)	You can enter the Serial No
Unit Price (JPY/day)	Daily Unit Price
Machine Control Flag (Heavy Machinery Only)	This flag indicates whether the user is a 3DMC contract holder
Operating Hours (Heavy Machinery Only)	For Komatsu machines, the SMR will be displayed
Vehicle Class	This is a user-defined field
Undercarriage (Heavy Machinery Only)	You can register the type of undercarriage
Piping (Heavy Machinery Only)	This can be used to check whether the machine is equipped with piping
Inspection Date	You can register the date of the special inspection It is also possible to link to an uploaded file
Next Special Inspection Date	You can register the deadline for the next special inspection
Purchase Date / Rental Start Date	You can register the purchase or rental start date
Rental End Date	This is the date on which the rental period ended
Vehicle Color	Specify the card color for the Dispatch List screen
Status	If the vehicle is out of service, you can enable this setting to display the out-of-service icon
Linked Device	This is the device installed on the vehicle
Remarks	You can enter remarks

※1 : If you wish to register Komatsu machines owned by your company, please contact the Smart Construction Support Center with the "KOMTRAX ID" issued to your organization.
If you do not know your "KOMTRAX ID," please contact your nearest distributor



2.3 Worker Tab You can register and edit workers used for dispatch management

Screen Layout Description

① List

作業員名	所属	職種	電話番号	SmartConstructionアカ...	単価 (日)	カラー	備考
根本雄一	ドライバー	運転済み			¥30,000	☑	
山口雄樹	OP	未連携			¥13,000	☑	
鈴木美佐子		未連携			¥13,000	☑	
小林大輔		未連携			¥15,000	☑	
伊藤雄一		未連携			¥15,000	☑	
渡辺麻衣		未連携			¥15,000	☑	
佐藤隆之介		未連携			¥15,000	☑	
田中健太郎	OP	未連携			¥15,000	☑	
山口美佐子	OP	未連携			¥8,000	☑	
鈴木隆司	OP	未連携			¥8,000	☑	
小林亮子	OP	未連携	090-3456-3456		未連携	☑	
高橋博	OP	未連携			未連携	☑	
奥脇立太	ドライバー	未連携	ryuuta_okuwaki@earthbr...		¥12,000	☑	
相山光樹	ドライバー	未連携	090-4567-4567		未連携	☑	

Click to create a new entry

Click to edit

② Registration / Editing Screen

Basic Settings

登録

重機 車両 作業員 アタッチ...

作業員名*

所属

メールアドレス

電話番号

単価 (日)

カラー ▼

備考

キャンセル 登録

Description of Site Detail Data

Item	Description
Worker Name	The registered worker name will be displayed
Affiliation	You can check the worker's affiliation
Email Address	You can check the email address
Phone Number	You can check the contact information
Unit Price (per Day)	Daily Unit Price
Color	You can specify the color used on the Dispatch List screen
Remarks	You can enter remarks

2.4 Attachments Tab You can register and edit attachments used for dispatch management

Screen Layout Description

① List



② Registration / Editing Screen



Description of Site Detail Data

Display Items	Description
Attachment Name	Customer-Definable Name
Attachment Type	You can register attachment types
Owned / Rented	Select whether the item is owned or rented. If it is rented, an icon will be displayed
Manufacturer	You can select a manufacturer
Model / Serial Number	You can enter a serial number
Unit Price (per Day)	When the daily unit price is set, the aggregated value will be displayed on the dispatch list screen
Purchase Date	You can set the purchase date
Purchase Amount	You can enter the purchase amount
Color	You can select the card color on the dispatch list screen
Status	It will be reflected on the dispatch list screen
Remarks	You can enter remarks

2.5 Equipment and Materials Tab

You can register and edit equipment and materials used for dispatch management

Screen Layout Description

① List



② Registration / Editing Screen



Description of Site Detail Data

Display Items	Description
Name	A user-defined name for equipment and materials
Unit Price (Per Day)	When the daily unit price is set, it can be used for aggregation on the dispatch list screen
Color	You can select the card color on the dispatch list screen
Remarks	You can enter remarks



2.6 Device Tab

You can register and edit location information devices used for dispatch management

Screen Layout Description

① List

Click to create a new entry

Click to edit

② Registration / Editing Screen

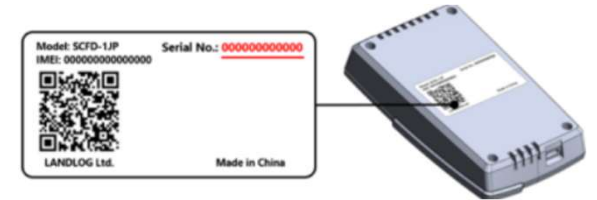
Basic Settings

Only Available with purchase of Smart Construction Fleet

Description of Site Detail Data

Display Items	Description
Device Name	A customer-defined name
Serial Number	This is the identification number for the device This value is printed on the label attached to the back of the device
IMEI	This is the ID used to identify the device This value is printed on the label attached to the back of the device
Linked Vehicle	The name of the vehicle in which this device is installed. <i>Note: Linking is performed from the Heavy Equipment/Vehicle tabs. (See Section 2.2: Heavy Equipment Tab / Vehicle Tab)</i>
Remarks	You can enter remarks

The "Serial Number" and "IMEI" are printed on the label attached to the back of the device. Please refer to this label when registering the information



2.7 Construction Equipment Operation Information Screen Layout Description

Displays operating hours and maintenance information for construction equipment (Komtrax-equipped machines only)

Heavy Equipment Tab/Vehicle Tab

重機名	メーカー	機種-型式-機番	単価 (円)	マシンコントロール	稼働時間	車格
1001	キャタピラー	320ELRR-4-231231	¥3,099	-		20
101	キャタピラー	320ELRR-98765	¥5,000	-		20
102	日立建機	ZX135US-5-12345	¥13,000	-		0.45
103	日立建機	ZX200-3-34567	¥8,990	-		0.7
104	コマツ	PC200-10-504567	¥20,000	-		
105	コマツ	PC200-12-100381	¥5,000	-		
106	日立建機	ZX135US-6-23456		-		
107	コマツ	PC200-8-111111		-		
108	コマツ	PC200-10-22222		-		

Komtrax-equipped machines

稼働状況

104

KOMTRAX PC200-10-504567

総稼働時間 50.7h

次回特自検査日 -

稼働状況 交換時期状況

2025/03/25 - 2025/04/25

日付	稼働時間	アイドル時間	残燃料	水温	AD Blue® DEF
2025/04/25					
2025/04/24	0.0h	0.0h			
2025/04/23	0.0h	0.0h			
2025/04/22	2.8h	2.5h			
2025/04/21	0.0h	0.0h			
2025/04/20	0.0h	0.0h			
2025/04/19	0.0h	0.0h			
2025/04/18	7.6h	6.8h			
2025/04/17	3.0h	2.8h			
2025/04/16	4.1h	4.0h			

Description of Site Detail Data

Display Items	Description
Total Operating Hours	This represents the total accumulated operating hours of the machine from the start of operation to the present
Next Special Self-Inspection Date	The date displayed is one year after the most recently registered Special Self-Inspection date in the system
Date	The entries are listed in descending order by date within the selected display period
Operating Hours	This displays the amount of time the engine was running within the selected display period
Idle Time	This displays the portion of the engine operating time within the selected display period during which no operator actions were performed
Remaining Fuel	This displays the remaining fuel level in the fuel tank at the end of the selected display period

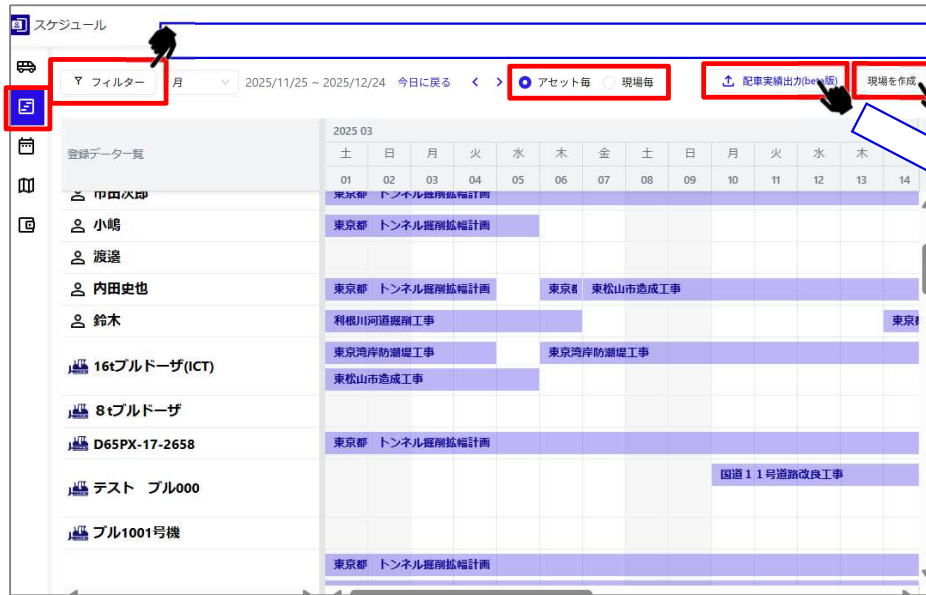
Display Items	Description
Coolant Temperature	This displays the highest coolant temperature recorded within the selected display period
AD Blue®/DEF	This displays the remaining percentage of AdBlue®/DEF at the end of the selected display period

3.1 Schedule

Screen Layout Description

Displays dispatch assignments in a schedule format

① List

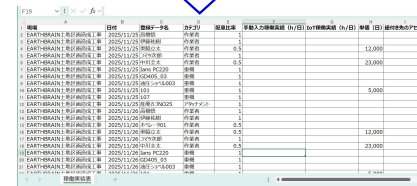


② Filter (Refine Search)



You can register sites on the same screen as the registration screen under 'Registered Data List > Site'

You can select a site and a time period to export the data to Excel



The Excel export can be used for cost calculation at the worksite

Description of Site Detail Data

Display Items	Description
Month / Week	Monthly and weekly views are now available
Return to Today	You can return the display to today's date
< >	In the monthly view, you can move forward or backward by month, and in the weekly view, you can move forward or backward by week
Asset / Site Selector Button	You can switch the schedule view between each asset and each site

The filter settings are reset, and all items will be displayed

3.2 Schedule Registration / Editing

This function allows you to register and edit schedules on the Schedule screen. It is linked with the Dispatch List screen

Creating an Asset Schedule

Assets can be assigned to sites not only from the Dispatch List screen but also from the Schedule screen

Editing a Schedule

You can edit a schedule by double-clicking it

Switching to "Site-Based" View and Assigning Assets to Sites

Switching Between Asset View and Site View

You can expand the asset schedules for that site by clicking the '>' button

You can assign a new asset to the site by clicking the '+' button

4.1 Dispatch List This is the main Whiteboard screen used for dispatch management

Screen Layout Description

① List

② Filter (Refine Search)

③ Right-click the card

A period must be set in order to assign it

For Komatsu machines compatible with KOMTRAX, the 'Operating Status' menu becomes available, allowing you to navigate to the Operating Status screen (P13)

Not Currently Available in North America

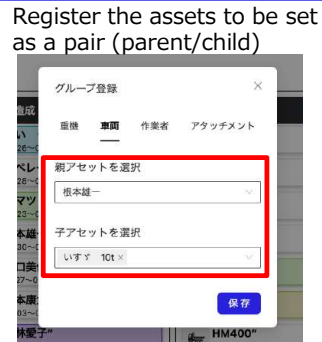
Description of Site Detail Data

Display Items	Description
Right-click the card> Details	Detailed information for the selected asset will be displayed
Right-click the card> Enter Operating Hours	You can enter the operating hours for the selected asset (※Operating hours can also be registered for workers)
Right-click the card> Edit Period	You can enter the usage period of the selected asset at that site (※The default value is from the current day to the site's end date)
Right-click the card> Leave a Comment	You can enter comments (free text) for the selected asset
Right-click the card> Remove from Site	You can remove the selected asset from the site
 The five squares at the bottom-right of the card	The icons on the card indicate whether the machine or vehicle has operated during the past five days. A green square indicates that operation occurred

4.2 Additional Notes on the Dispatch List Function

This section provides supplementary explanations for the various functions on the Dispatch List screen

Set relationships can also be represented



Assign the registered set to a site



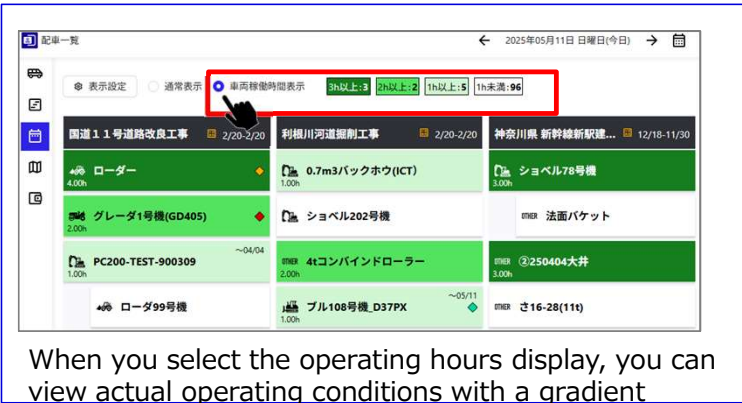
You can move cards as a set, ensuring that attachments and other related items are not lost

Alerts for assets scheduled to be moved soon



An alert is displayed for assets that are assigned to another site on a future date, allowing you to identify upcoming moves

You can view operating hours using a gradient display



You can register comments for an asset (card)



4.2 Additional Notes on the Dispatch List Function

This section provides supplementary explanations for the various functions on the Dispatch List screen

You can check the status of assets using the reminder function

The alert icons appear based on the following conditions and can be used as a reminder function

Pause: Assets that are set to "Pause" (configured from the Registered Data List screen)

Inspection: An alert is triggered one month before the scheduled voluntary inspection deadline (configured from the Registered Data List screen)

Move: Assets with scheduled relocations set via the Whiteboard



4.2 Additional Notes on the Dispatch List Function

This section provides supplementary explanations for the various functions on the Dispatch List screen

You can check the simplified cost calculation results generated from the dispatch information

When you set the daily unit cost in the Registered Data List, you can check the labor and equipment/vehicle charges for each day from the simplified cost screen on the Dispatch List

You can open the cost calculation screen by clicking the icon on the Dispatch List screen

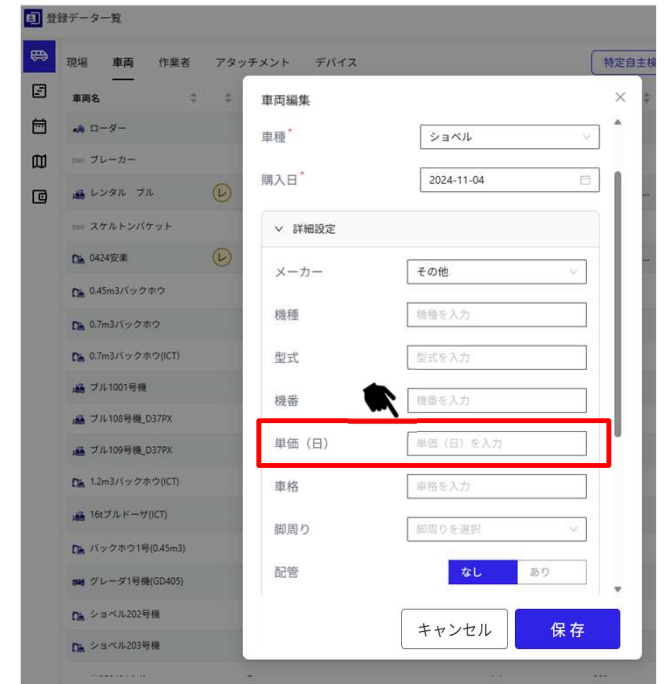
Click to View Details



You will be able to view the daily unit-cost totals as well as the cumulative totals of past assignments



You can set the unit cost for each asset on the asset editing screen under Registered Data List

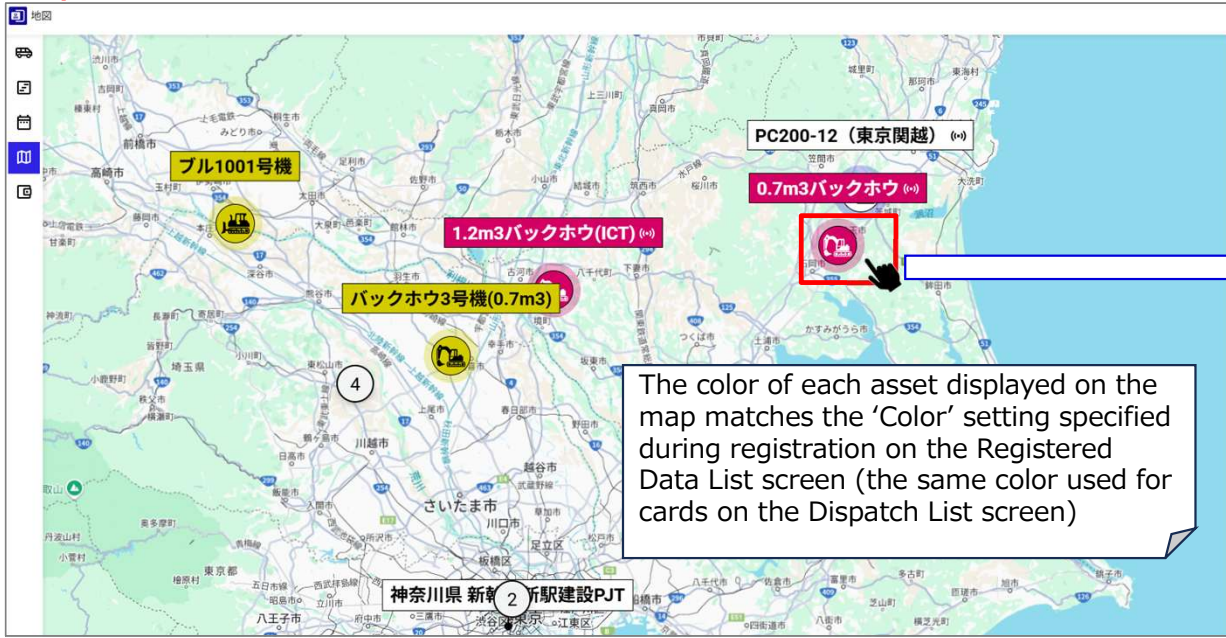


5.1 Map Screen

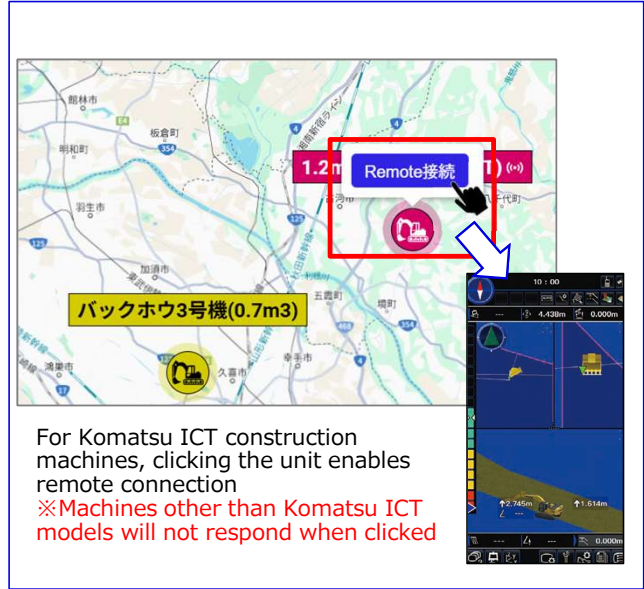
You can check the locations of registered sites and vehicles on the map

Screen Layout Description

① Map



② Remote Connection



Map screen descriptio

Display Items	Description
 (⊙) icons displayed to the right of the vehicle name	This indicates Komatsu ICT machines that support remote connection
 ■ icon displaying a number	It displays the total number of vehicles that are located in close proximity to that area
 ○ icon displaying a number	It displays the total number of sites that are located close to each other in that area

6. Revision History

Creation / Revision Date	Revision Details
2025/05/01	Official Manual Issued for Fiscal Year 2025
2025/11/28	Official Manual Issued for the Second Half of Fiscal Year 2025 (Including the additional features introduced in the first half)



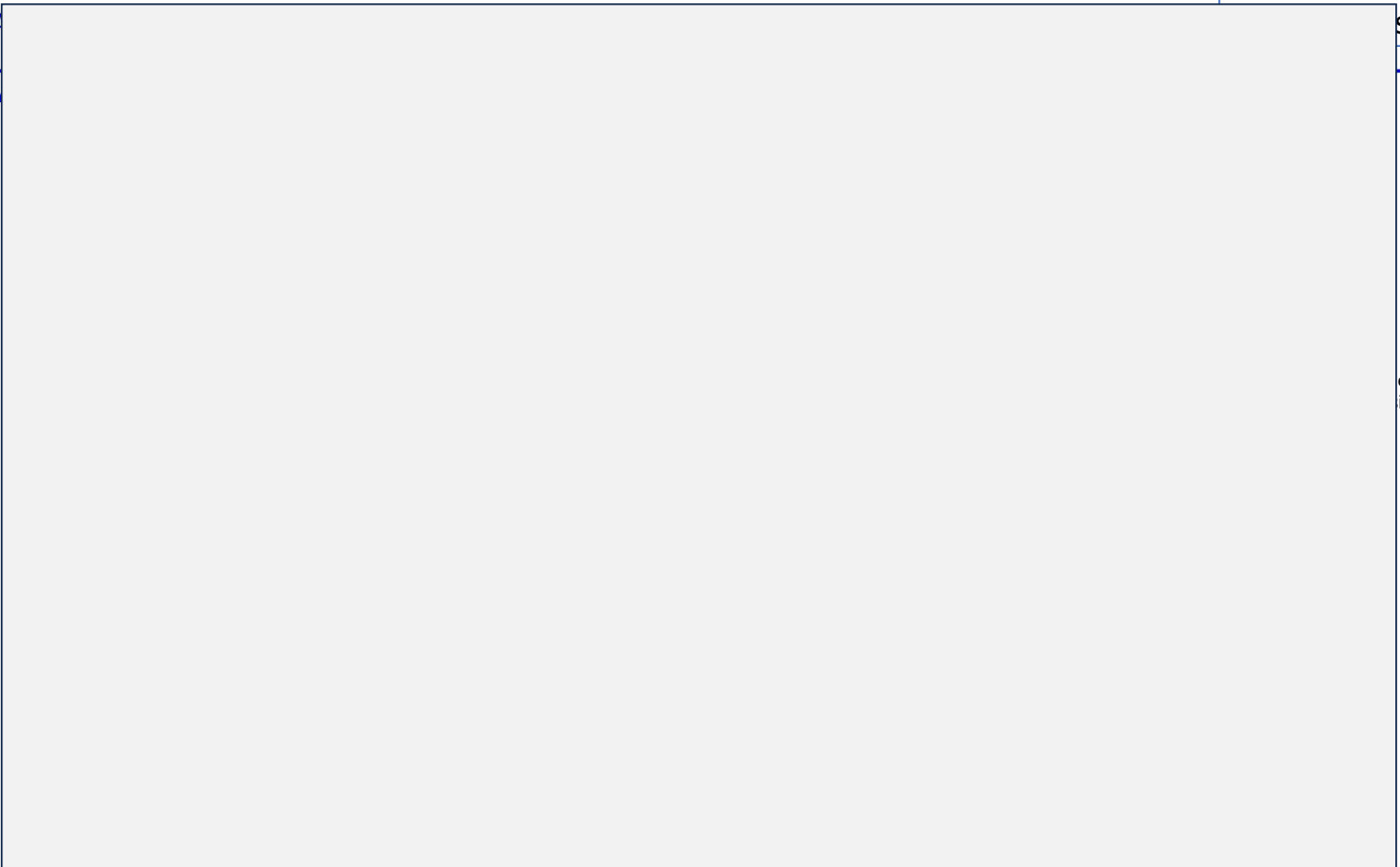


EA

st

21

2.6 Dev



e
ided

GNSS Positioning Completed