## Smart Construction Simulation 2025.3.18(Schedule) About the Release Version





#### Жеактныкало Release Item List

- We are pleased to announce the release of updates to "Smart Construction Simulation" with the following schedule and content.
- Due to system maintenance, the relevant services will not be available during the following dates.

(\*The release schedule, time, and contents are subject to change depending on the situation. Please understand this in advance.)

Schedule: Tuesday, March 18 (Japan time) 7:00 p.m. - 12:00 p.m.

NO.	Target Functions	Overview
		<ul> <li>Overview : Improved multiple selection when adding holidays</li> <li>Details : Multiple dates can now be selected at once from the calendar when adding a holiday on the Basic Field Information setup screen. On the calendar, the selected dates are added to the holiday list, and by making them unselected, they disappear from the holiday list.</li> </ul>
1	Simulation (Function Improvement)	<ul> <li>← 施工時間</li> <li>→ 通常施工時間</li> <li>→ 3月 ~ 2025 →</li> <li>→ 通常施工時間</li> <li>→ 23 24 25 26 27 28 1</li> <li>→ 違加</li> <li>← 施工時間</li> <li>→ 通常施工時間</li> <li>→ 本 本 金 ±</li> <li>→ → → → → → → → → → → → → → → → → → →</li></ul>
		2       3       4       5       6       7       8         設定       キャン1       9       10       11       12       13       14       15       2025年3月20日       1         16       17       18       19       20       21       22       2025年3月21日       1
		23 24 25 26 27 28 29
		Multiple dates can be selected at once in the calendar
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NO.	Target Functions	Overview
		<ul> <li>Overview : Implemented the ability to display all area information on a map.</li> <li>Details : The display of all area information can now be toggled from the display toggle in the upper left corner of the map. Area name and soil volume" information will now be displayed for all areas, just as it is when the mouse is over the area. However, there are some issues, such as the display being hidden by the existing topography or the area information remaining before the change after the construction area is automatically divided.</li> </ul>
2	Simulation (Function Improvement)	プロジェクト > VAL_Mihama20250124 ↓         プロジェクトは最新のKg です         シミュレーション         施工 エリアの設定         ・         加1 ●         盛土 ●         0.00 m³       4,486.20 m³         出力口 · 土取り習/       ************************************
		Ch50ff250ff250ff250ff250ff250ff250ff250ff

# **Жеактныка** Release Item List

NO.	Target Functions	Inctions Overview			
3 S	imulation Bug Repair)	<ul> <li>Overview : Fixed UI display position collapsing problem with Chrome version update</li> <li>Details : Due to a version update of Chrome, there was a problem with the display position of some menus. The problem has been corrected so that the menus are displayed as before.</li> </ul>			

# **Кактнвка** Release Item List

NO.	Target Functions	Overview
NO. 4	Target Functions Machine Simulation (Function Improvement)	<ul> <li>Overview : Operation calculation function that takes temporary placement into account</li> <li>Details : Calculations can now be made for temporary storage of soil during construction, such as when soil is brought from inside a field to outside the field for reloading, temporary storage for aeration drying, and soil improvement inside the field.</li> <li><b>LTemporary placement calculation pattern</b></li> <li><b>Temporary placement/replacement</b></li> <li><b>Temporary placement using an amendment machine</b></li> <li><b>Soil improvement using an amendment machine</b></li> </ul>
/		Storage space (3) Soil improvement using construction equipment (3) Soil improvement using construction equipment (3) Soil improvement using construction equipment (3) Soil improvement using construction equipment (5) Cill (1) C

[ Operation Procedure ]

1. Create two runways, one to bring into the temporary storage area and the other to take out from the temporary storage area to the embankment

\*Set the start condition to "Date" for both.

- 2. A temporary storage area is created by overlapping the "unloading place" pin on the bring-in side and the "loading place" pin on the take-out side.
- 3. Click on the pins of the temporary storage area created, and select a "processing method".
- 4. Set the construction equipment required for the "temporary storage area.



Select treatment method (use) for temporary storage

#### Ж ЕАКТНВКАІЛ Temporary storage function (for processing method)



Temporary soil shaping work is not taken into account when the material is brought into the temporary storage area.

Because the capacity of the temporary storage area is always taken into account in the calculation, the "simple calculation that copies the calculation results of the first day" cannot be used.

• The dump truck loading start mode cannot be used with the temporary storage function because it affects the temporary storage capacity calculation.



# Temporary storage function (for work start conditions for loading construction equipment)

以下の作業能力をもとに計算しますが、計算を実行してよろ 問題がある場合は、基礎データの値を編集してから計算を実行	Possible to specify work start conditions for loading construction equipment at the time of calculation execution.
積込場   地山,積み待ち土 / 砂	<ol> <li>Loading operation starts when there is more soil than the dump truck can carry.</li> <li>→Loading operation starts when there is more soil than the loading capacity of the dump truck waiting for loading at the temporary storage area.</li> <li>2 Starts loading if there is more soil than the bucket capacity.</li> </ol>
<ul> <li>▼ 詳細設定</li> <li>狭路(すれ違い不可)設定時の狭路進入条件:</li> <li>✓ 積載ダンプの狭路進入を優先 ◎ 狭路の進入優先なし</li> <li>仮置場の積込建機の作業開始条件:</li> </ul>	→If there is more soil than the bucket capacity of the construction equipment to be loaded onto the dump truck at the temporary storage area, the loading operation starts.
✓ ダンプ積載量以上の土があれば積込開始 ● バケット容量以上の土があれば積込開始 計算実行	ダンプ:2 積込場→仮置き場       材料       ダンプ: 仮置き場→荷降
	荷降ろし場:③ 積込場:⑤ ① Dump truck loading capa 仮置き場

NO.	Target Functions     Overview			
		<ul> <li>Overview : Implementation of Fleet performance tie-in function in temporary storage</li> <li>Details : Fleet can now associate temporary storage sites with temporary storage sites in construction equipment simulation. Even if a temporary yard is set up, the following connection processing is performed for both dump trucks and construction equipment.</li> </ul>		
5	Machine Simulation (Function Improvement)	<section-header><ul> <li>Points assignment when setting up temporary storage</li> <li>Oump truck&gt;</li> <li>When a dump truck is unloading at a temporary storage area, it is linked to the loading area.</li> <li>When loading at a temporary storage area, the location is linked to the temporary storage area.</li> <li>Construction equipment&gt;</li> <li>If the machine is started at a temporary storage area, it is linked to the temporary storage area.</li> </ul></section-header>		
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## **Жеактныка** Release Item List

NO.	Target Functions				(	Overview				
6	Machine Simulation (Function Improvement)	• Details :	v : Impleme It is now por calculation please refer         v : 0000	tesults on     results	ompare cal the Plan Li lowing ① Spec → Displ 2 2 2 2 2 2 2 2 3 5 0 4 List 4 2 5 0 4 2 5 0 4 1 5 0 4 1 5 0 4 1 5 0 4 1 5 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1	culation re ist screen. ify the date of t ay data for the s is displayed) ing of "Plan/Ru ne display/non ing of "Item" dis o show/hide iter display ay the results of but results to CS nload the list dis	sults for ea For details he data to be d specified date ( nway" display display of plans splay ms to be display f each run in a f V file splay in CSV for	ach runway of the outp isplayed. if not specified, s and routes to b yed in the list table format	from the li out function first day data fo be displayed in t	ist of n, or each the list.

NO. Targe	et Functions	Overview
Mach 7 Simul	'ne	<ul> <li>Overview : Fixed a problem in which changing the setting of a construction machine in the child runway causes the setting of the succeeding construction machine in the grandchild runway to be corrupted.</li> <li>Details : A problem has been corrected in which adding a new construction machine on a child runway when reusing a construction machine on three parent and child runways would corrupt the settings of the reused construction machine from the parent runway.</li> <li></li></ul>
		Modified so that the construction machine settings of the child runway are carried over to the grandchild runway.

NO.	Target Functions			Overvie	•w	
8	Machine Simulation (Bug Repair)	Corruption Plan Details : There calcul in the that t プラン プラン プラン 激 N N N N N N N N N N N N N	rectly when n compariso was a prob lated correct plan comp he number 順一 『 『 『 『 『 『 『 『 二 『 二 『 二 二 二 二 二 二 二	olem in which the num ctly when multiple role arison in the calculation of construction machin Runway1 PC35MR V 1 # X PC35MR V 1 # X umber of construction mach model and dified so that output is based	same construction ma ber of construction m s were set for the sam on results list. This has nes set is displayed construc- provide the set of the same of the set of the same provide the set of the same set	chine are set in the achines could not be ne construction model s been corrected so orrectly. Runway2
		プラン名総ジ	運搬土量	積込場建機	ダンプ	荷降場建機
		Plan2 10	00 m3	PC35MR×3台	city: 10t × 4 台	Vehicle weight: 4t / Blade width: 2560mm × 2 台

### **ЖЕАКТНВКАІЛ** Release Item List

NO.	Target Functions	Overview				
9	Machine Simulation (Function Improvement)	S • Details : In th disp Cor	lope Area" as an he case of data f played in the "To	integer valu rom the Soil tal Soil Trans The relevan	screen to display "Total s e. Distribution Sim linkage, sported/Total Slope Area t items have been unified	a decimal point was " value on the Plan
			計算条件			
		プラン名	総運搬土量	総法面面積	₹( <sup></sup>	一込場建機
			121555.3210296499		Decimal points are rounded to the nearest whole numbe	
		Plan 1	9 m3	1432.25 m2		Jcket capacity: 0.45m3 / Vehicle ∋ight: 12t × 2 台

NO.	Target Functions	Overview
		<ul> <li>Overview : Adjustment of transported soil volume graph excluding single construction zone and slope</li> <li>Details : In the daily utilization rate screen, the overall trend graph has been changed so that the amount of soil in single construction sections and slopes is excluded from the total. The name of the graph has also been changed from "Total Soil Volume Completed" to "Total Soil Volume Transported".</li> </ul>
10	Machine Simulation (Function Improvement)	積込場 走路1
		荷降場 走路1 Values for single construction zone and slope work are not included in the graph totals. =  Vehicle we  Kth L#国政
		切土エリア(法面、その     ・     その他作業     250     0       00/00     11/00     15/00     15/00     15/00
		09:00       11:00       13:00       15:00       17:00       稼働率       土量       周回数         =       ● <t< td=""></t<>



