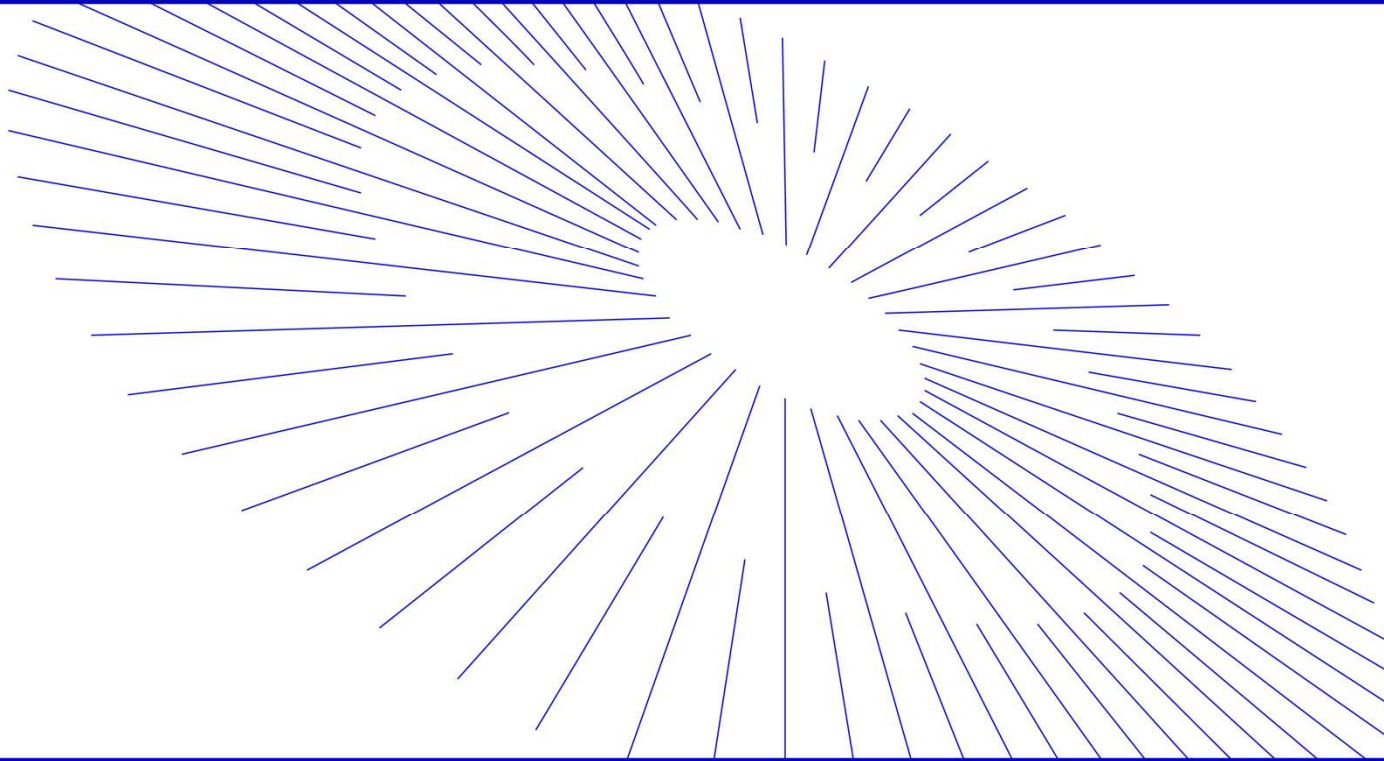


Smart Construction Simulation

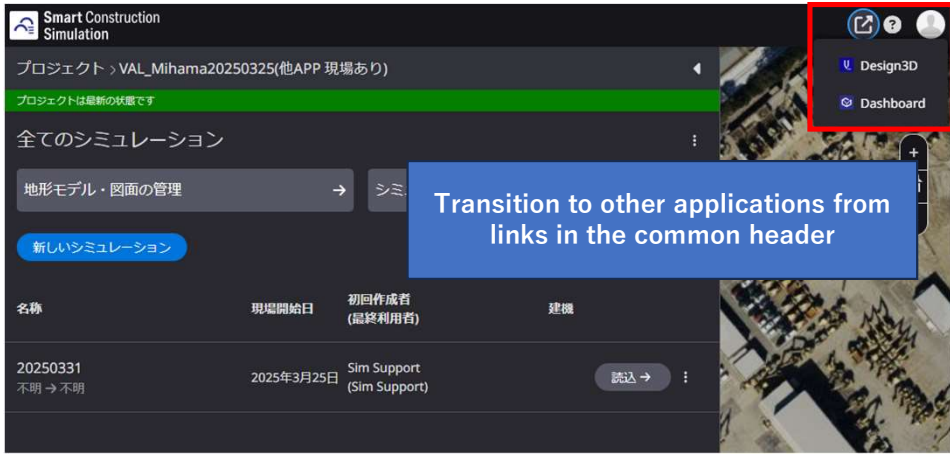
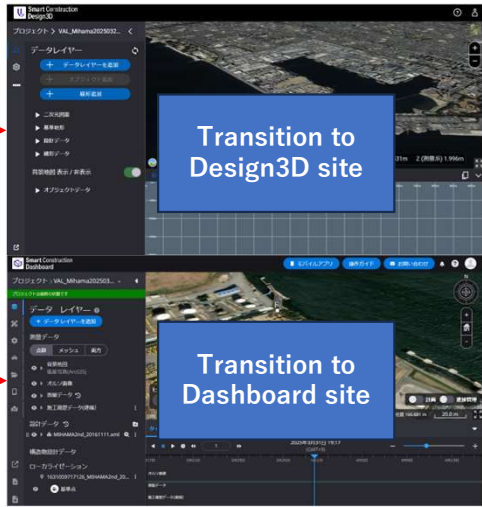
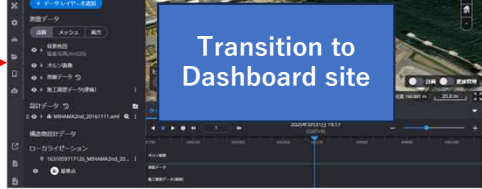
2025.4.1(Schedule) About the Release Version



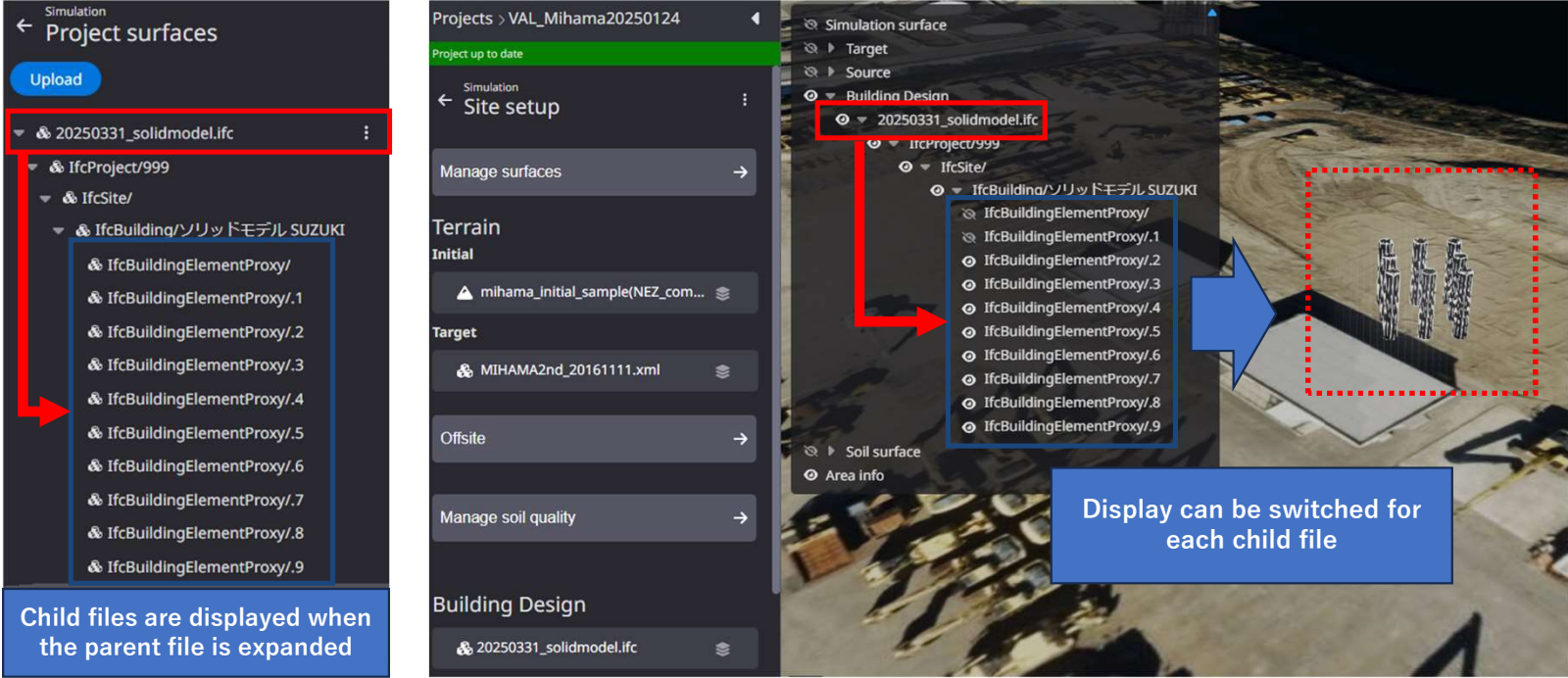


- We are pleased to announce the release of updates to "Smart Construction Simulation" with the following schedule and content.
- Due to system maintenance, the relevant services will not be available during the following dates.
(*The release schedule, time, and contents are subject to change depending on the situation. Please understand this in advance.)

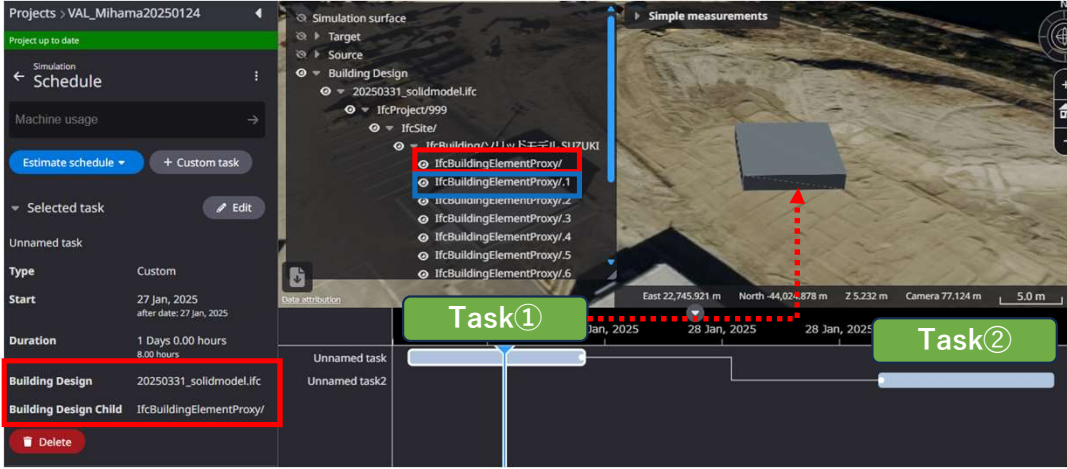
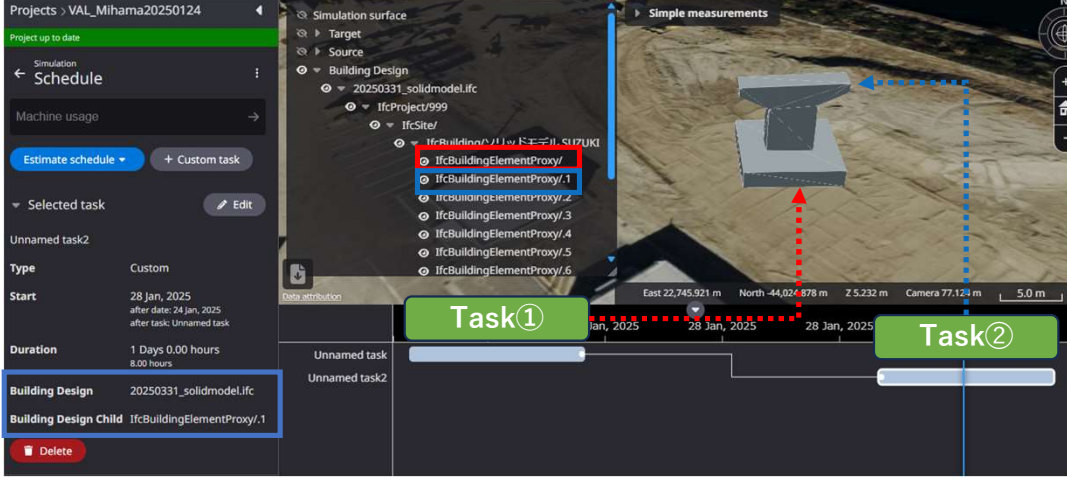
Schedule : Tuesday, April 1 (Japan time) 7:00 p.m. - 12:00 p.m.

NO.	Target Functions	Overview
1	Simulation (Function Improvement)	<div><ul style="list-style-type: none">• Overview : Add links to other apps• Details : A link to “Design3D/Dashboard” has been added to the common header. The currently displayed job site can now be opened in another application.If the site has not yet been created in another application, you will be redirected to the Site List screen.</div> <div><p>Transition to other applications from links in the common header</p><p>Transition to Design3D site</p><p>Transition to Dashboard site</p></div>



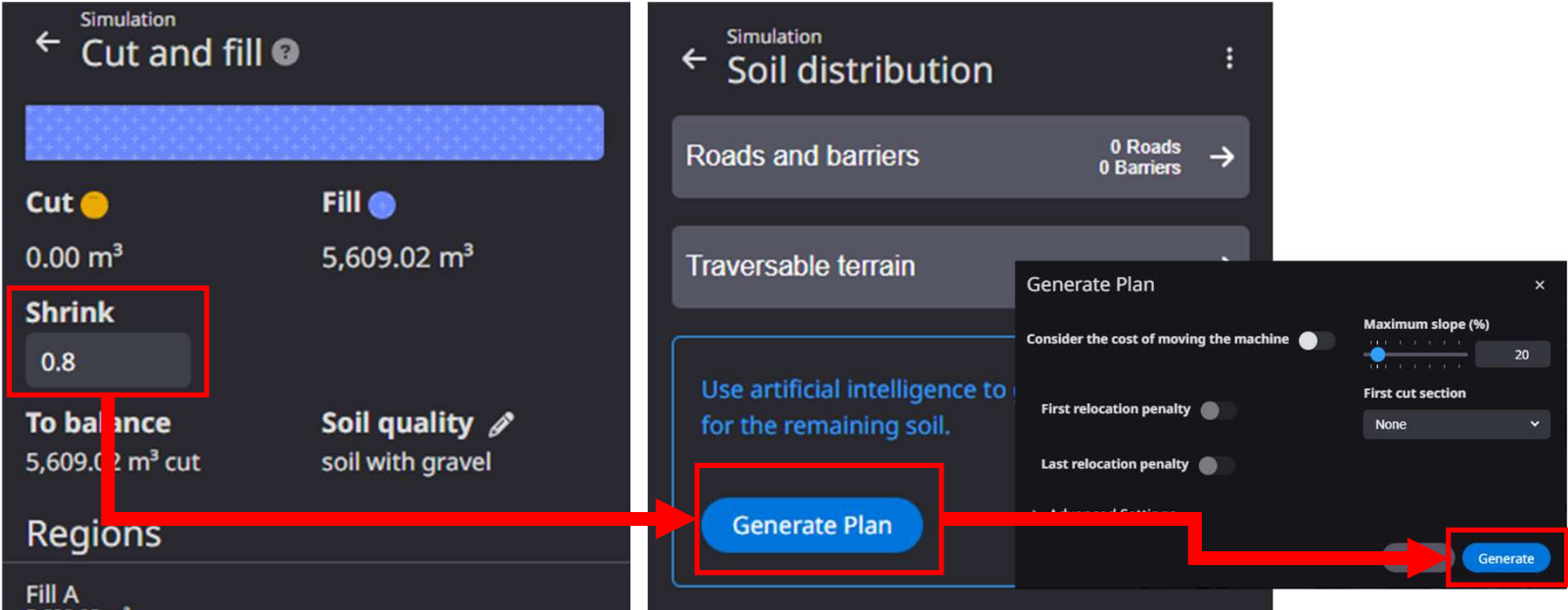
NO.	Target Functions	Overview
2	Simulation (Function Improvement)	<ul style="list-style-type: none">• Overview : Per-file settings for multi-layer IFC file comprehensions• Details : Building Design now allows multi-layer IFC files to be configured for each child file. This allows for display switching on the map and settings for arbitrary tasks to be performed separately. Note that files uploaded prior to implementation cannot be used, so data must be uploaded and used again.  <p>Child files are displayed when the parent file is expanded</p> <p>Display can be switched for each child file</p>



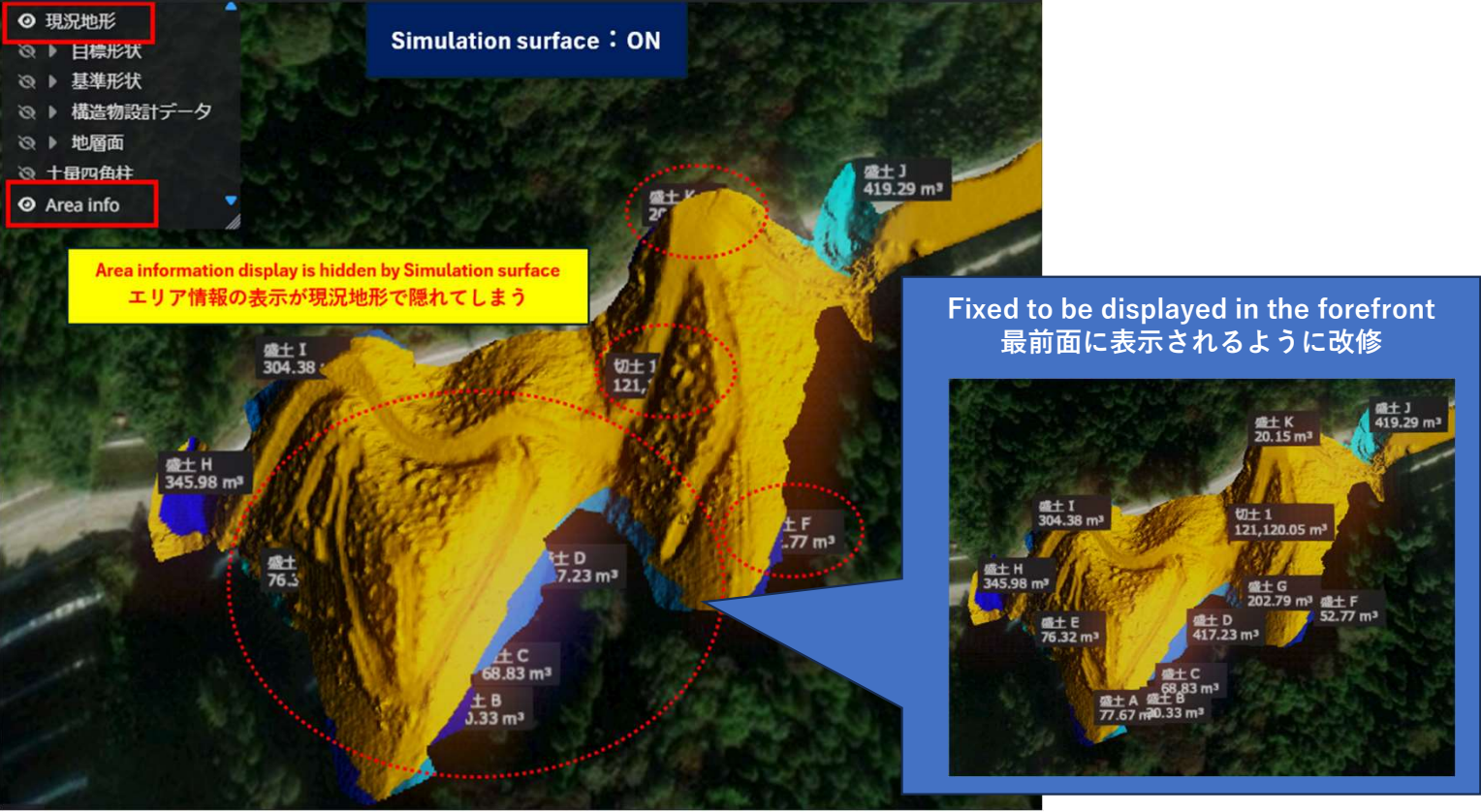
NO.	Target Functions	Overview	
2	Simulation (Function Improvement)		<p>Possible to set each child file to an arbitrary task</p> <p><Progress to Task①> The structure of Task ① is highlighted.</p>
			<p>All parent files are highlighted if the same one is shown</p> <p><Progressing to Task②> Structures for both Task① and Task② are highlighted.</p>

NO.	Target Functions	Overview
3	Simulation (Function Improvement)	<ul style="list-style-type: none"> Overview : Implementation of measurement tools in 3DView Details : The measurement tool has been implemented to measure areas and distances on maps. See below for a description of the six measurement methods.  <p>The screenshot displays the EARTHRAIN software interface. On the left, a sidebar shows project details for 'VAL_Mihama20250124', including 'Cut' (0.00 m³) and 'Fill' (4,486.20 m³) volumes, and a list of 'Fill' areas (A, B, C) with their respective volumes. The main panel shows a 3D simulation of a construction site. A red box highlights the 'Simple measurements' menu, which contains icons for various measurement tools. Below this, a blue box displays six measurement methods in a grid:</p> <ul style="list-style-type: none"> Point: Shows a single point on a 3D model with its coordinates (Easting: 22,783.594 m, North: 43,993.997 m, Z: 3.382 m, Slope: 33.69°). Point to point distance: Shows a line segment between two points on a 3D model, with a total distance of 36.787 m. Component distance: Shows a line segment between two points on a 3D model, with component distances of 7.796 m and 2.198 m, and a total distance of 7.7480 m. Horizontal distance: Shows a horizontal line segment on a 3D model, with a distance of 48.705 m. Vertical distance: Shows a vertical line segment on a 3D model, with a distance of 2.285 m. Horizontal area: Shows a horizontal area on a 3D model, with a horizontal area of 57.23 m².

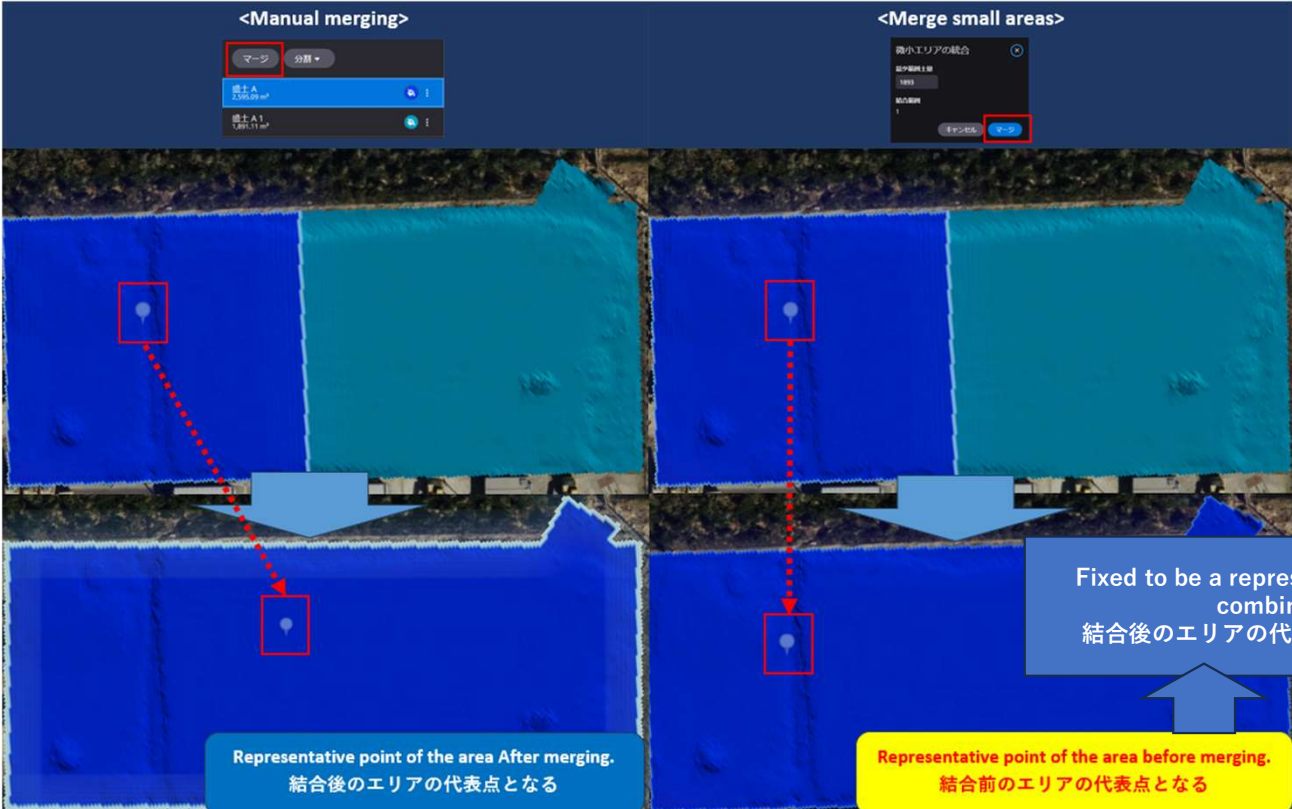


NO.	Target Functions	Overview
4	Simulation (Function Improvement)	<ul style="list-style-type: none">• Overview : AI calculation support for Shrink setting• Details : GeneratePlan can now successfully calculate the amount of soil in the Shrink setting (other than 1) for the cut and fill volume.  <p>Generate Plan can be executed with the soil volume reflecting the Shrink ≠ 1 setting</p>



NO.	Target Functions	Overview
5	Simulation (Bug Repair)	<ul style="list-style-type: none">• Overview : Fixed a problem with area information display being hidden by the current terrain• Details : A problem has been corrected in which area information displayed on the map was hidden by the current terrain. 

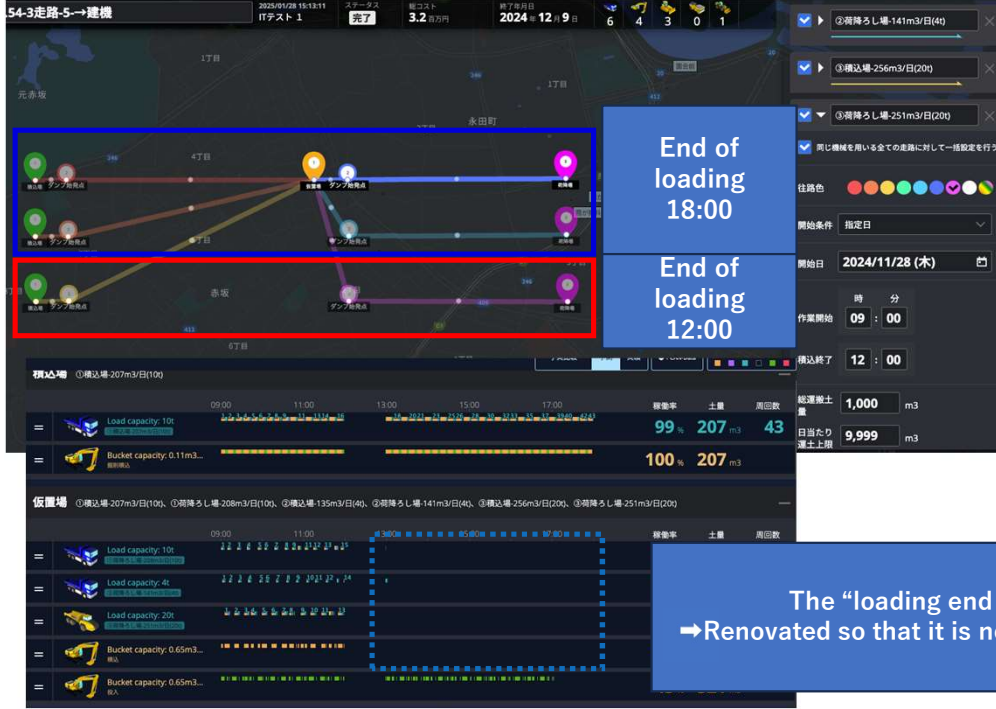


NO.	Target Functions	Overview
6	Simulation (Bug Repair)	<ul style="list-style-type: none">• Overview : Fixed a problem in which representative points were not updated when “Merge small areas” was executed.• Details : A problem has been corrected in which after “Merge small areas” the representative point of the area before merging remained unchanged.  <p>Fixed to be a representative point of the combined area. 結合後のエリアの代表点となるように改修</p> <p>Representative point of the area After merging. 結合後のエリアの代表点となる</p> <p>Representative point of the area before merging. 結合前のエリアの代表点となる</p>


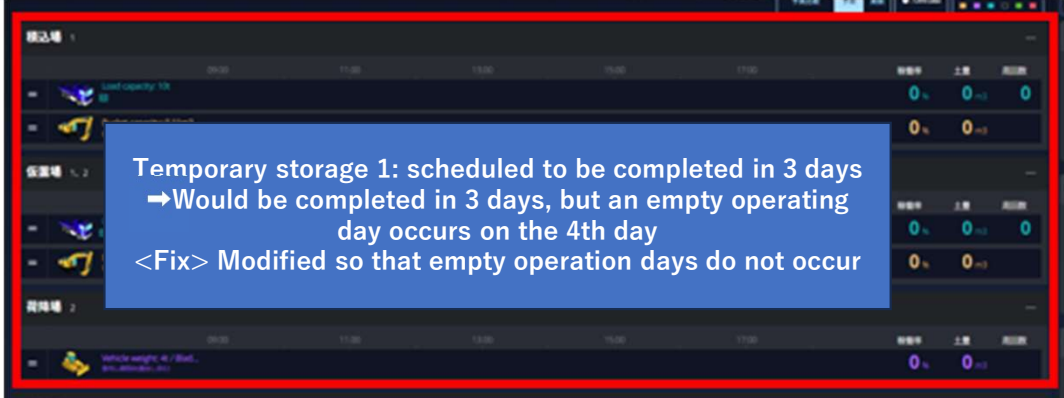


NO.	Target Functions	Overview																				
7	Machine Simulation (Function Improvement)	<div><div><ul style="list-style-type: none">Overview : Improved edit function for non-working daysDetails : A UI that allows switching between two modes, list mode and edit mode, has been implemented to make editing non-working days more intuitive. For details on adding/deleting inactive days, please refer to the following.</div><div><div><div><div><div>list mode</div><div><div>一覧</div><div>追加/削除</div></div><div>2025/03/31 (月)</div><table><thead><tr><th></th><th>日付</th></tr></thead><tbody><tr><td>×</td><td>2025/03/22 (土)</td></tr><tr><td>×</td><td>2025/03/23 (日)</td></tr><tr><td>×</td><td>2025/03/29 (土)</td></tr><tr><td>×</td><td>2025/03/30 (日)</td></tr></tbody></table></div></div><div><div>Lists the set inactive dates in ascending order by date</div><div>Delete button is inactive in list mode</div></div></div><div><div><div><div>edit mode</div><div><div>一覧</div><div>追加/削除</div></div><div>2025/03/31 (月)</div><table><thead><tr><th></th><th>日付</th></tr></thead><tbody><tr><td>×</td><td>2025/03/20 (木)</td></tr><tr><td>×</td><td>2025/03/21 (金)</td></tr><tr><td>×</td><td>2025/03/22 (土)</td></tr><tr><td>×</td><td>2025/03/23 (日)</td></tr></tbody></table></div><div><div>Additional Target</div><div>Delete Target</div></div><div><div>Select the target date to add/delete from the calendar</div><div>Click the “Delete” button to remove the date from the calendar</div><div>※To reflect the edited contents, “Save” of the basic data is required.</div></div></div></div></div></div>		日付	×	2025/03/22 (土)	×	2025/03/23 (日)	×	2025/03/29 (土)	×	2025/03/30 (日)		日付	×	2025/03/20 (木)	×	2025/03/21 (金)	×	2025/03/22 (土)	×	2025/03/23 (日)
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NO.	Target Functions	Overview
8	Machine Simulation (Bug Repair)	<ul style="list-style-type: none">• Overview : Modified a problem where multiple runways are connected to a temporary storage area and accelerating the loading end time of one runway would affect the other runways.• Details : When a temporary storage area is created on multiple runs and the loading end time differs among the runs, a problem that affected the loading end time of the other runs has been corrected.  <p>The “loading end 18:00” runway also ends at “12:00”. →Renovated so that it is not affected by the end time of other runways.</p>



NO.	Target Functions	Overview
9	Machine Simulation (Bug Repair)	<ul style="list-style-type: none">• Overview : Fixed a problem that the end date of the temporary storage-unloading area runway shifts back one day for temporary storage runways that end early when multiple temporary storage areas are set.• Details : A problem that caused an increase in the number of operating days for a runway with a short operating period when multiple temporary storage sites were set up has been corrected.  <p>Temporary storage 1: Estimated completion: 3 days</p> <p>Temporary storage 2: Estimated completion: 5 days</p>  <p>Temporary storage 1: scheduled to be completed in 3 days → Would be completed in 3 days, but an empty operating day occurs on the 4th day <Fix> Modified so that empty operation days do not occur</p>



NO.	Target Functions	Overview
10	Machine Simulation (Function Improvement)	<ul style="list-style-type: none">Overview : Improved item filter settings on the Results List screen so that they are not initialized in the Construction Site List view.Details : After changing the item filter settings on the List of Calculation Results screen, the settings are no longer initialized by displaying the List of Construction Sites screen. This change applies to both the Plan tab and the Runway tab. 