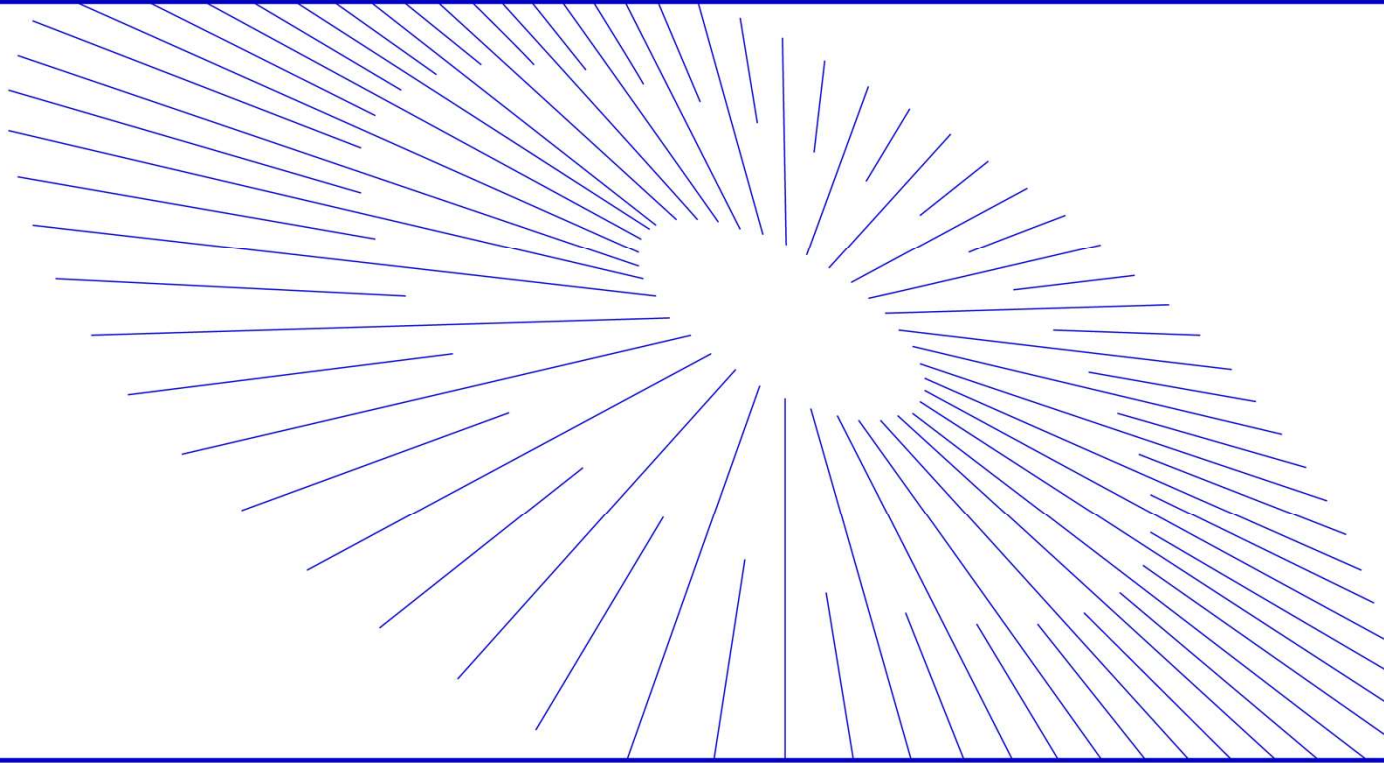



Smart Construction Simulation 2025.7.8(Schedule) About the Release Version



- 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, July 8 (Japan time) 7:00 p.m. - 12:00 p.m.

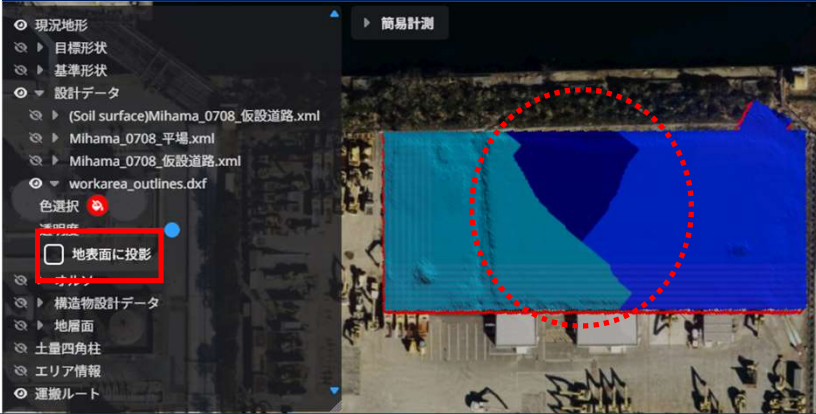
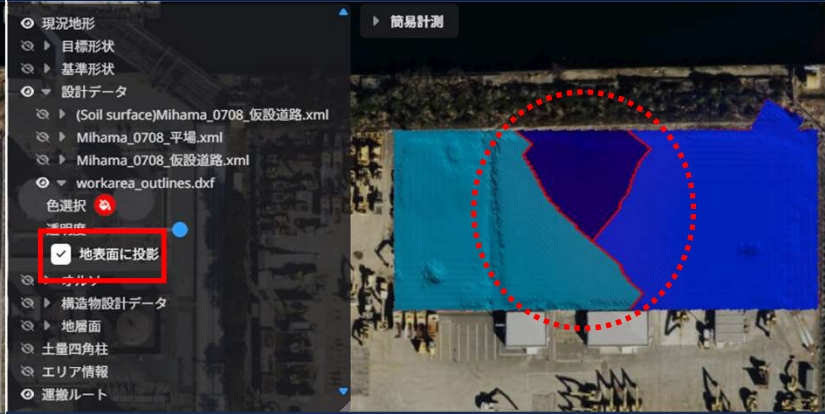
NO.	Target Functions	Overview
1	Simulation (Bug Repair)	<ul style="list-style-type: none"> Overview : Fixed a problem with being able to delete soil surface data in use. Details : A problem has been corrected in which stratigraphic surface data being set in Simulation could be deleted from the file list. 

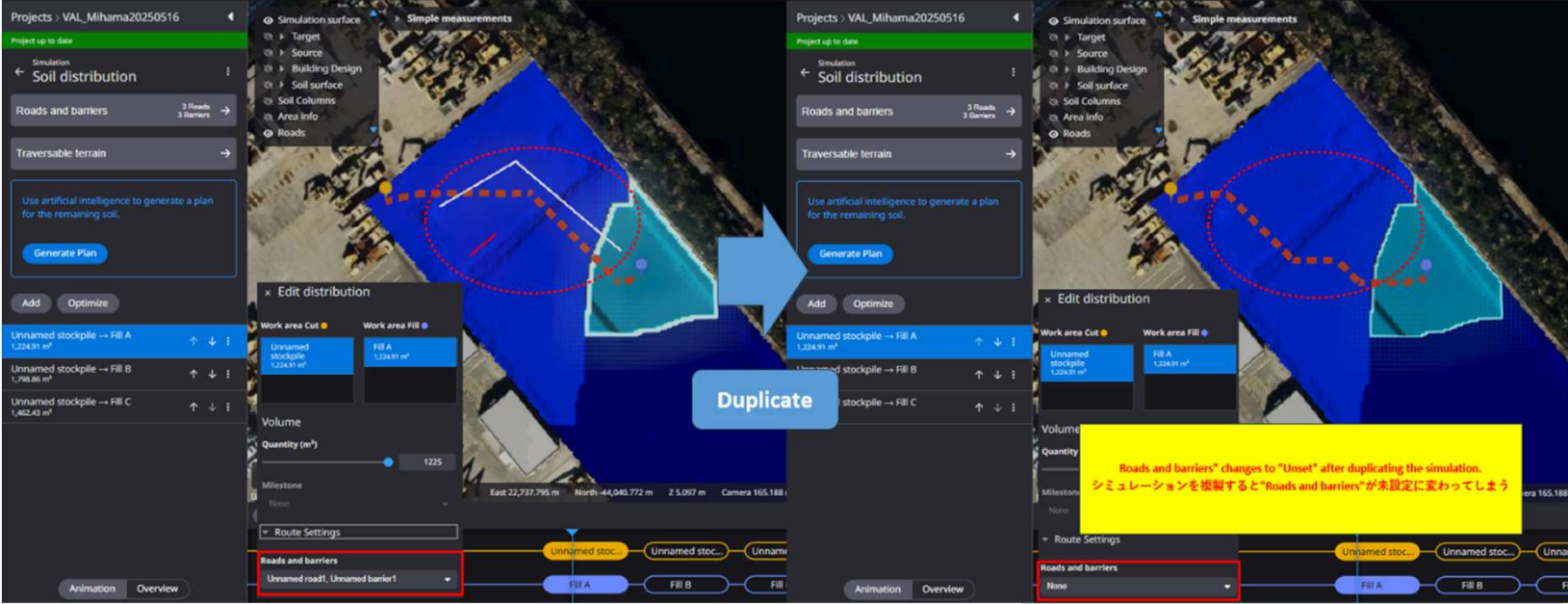


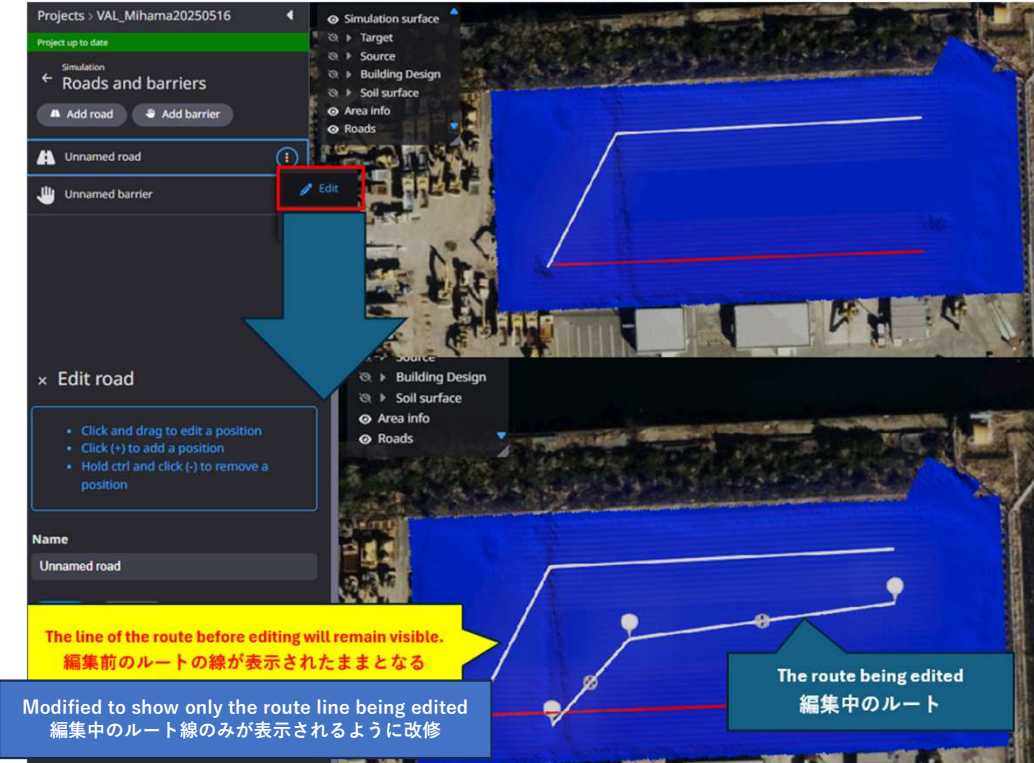
NO.	Target Functions	Overview
2	Simulation (Function Improvement)	<ul style="list-style-type: none"> • Overview : Improved route display • Details : Routes between areas are now displayed as thin white lines. Previously, when there was a slope warning, the color of the route would change, but from now on, the color will not change and only the warning icon will be displayed. <div style="display: flex; justify-content: space-around;"> <div data-bbox="616 598 1355 1380"> <p style="text-align: center;">Before</p> </div> <div data-bbox="1411 598 2150 1380"> <p style="text-align: center;">After</p> </div> </div> <p style="text-align: center;">Change the route to a white, thin line ルートを白色で細い線に変更</p> <p style="text-align: center;">Only warning icons are displayed 警告アイコンのみ表示</p>

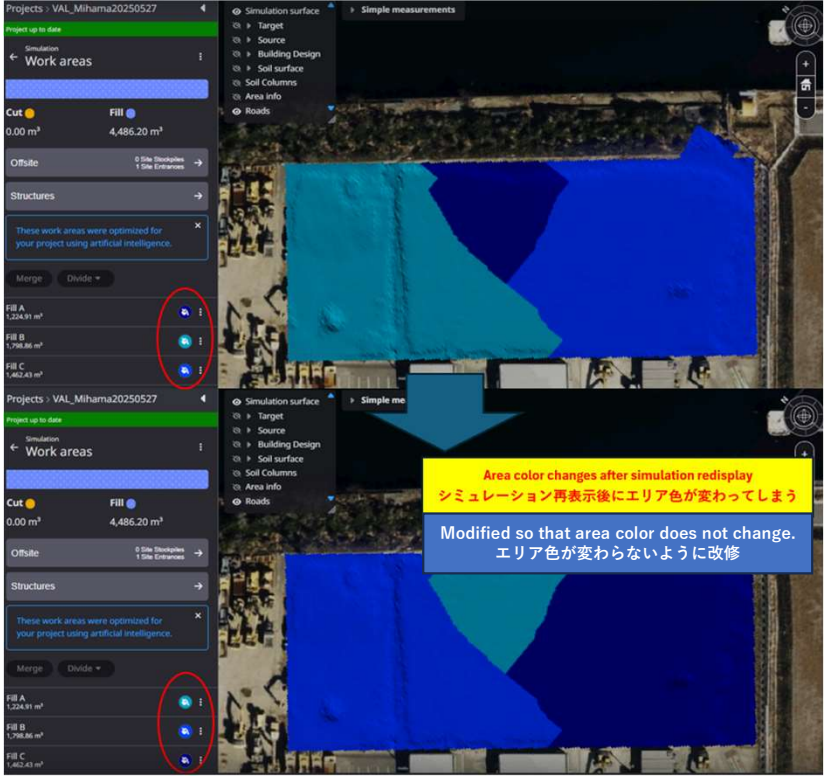


NO.	Target Functions	Overview
3	Simulation (Function Improvement)	<ul style="list-style-type: none"> • Overview : Implementation of importing DXF files as linework • Details : DXF files for linework can now be uploaded as linework.Uploaded files will be displayed in the “Design Data” item of the display switcher.Files uploaded to Groupware are automatically stored in the “Linework” folder. <p>*The content of the file is automatically identified and uploaded as either design data or linework.</p> <div data-bbox="589 722 1294 1082"> <p>File Upload</p> <p>データレイヤーの取り込み</p> <p>ファイルをインポート workarea_outlines(Mihama).dxf</p> <p>登録データの種類 設計データ ラインワーク</p> <p>データ名 workarea_outlines(Mihama).dxf</p> <p>Upload as Linework ラインワークとしてUpload</p> </div> <div data-bbox="589 1098 1294 1356"> <p>Groupware</p> <p>データレイヤーの取り込み</p> <p>ホーム > Simulation > Input > Design > Linework</p> <p>Upload to “Linework” folder 「Linework」フォルダにUpload</p> </div> <div data-bbox="1305 722 2190 1356"> <p>File display switching</p> <p>プロジェクト > VAL_Mihama20250707</p> <p>プロジェクトは最新の状態で</p> <p>シミュレーション ← プロジェクトの地形モデル・図面</p> <p>アップロード</p> <ul style="list-style-type: none"> (Soil surface)Mihama_0708_仮設道路.xml (Soil surface)solidmodel.ifc Mihama_0708_仮設道路.xml Mihama_0708_平場.xml mihama_initial_sample(NEZ_comma).txt MIHAMA2nd_20161111.xml solidmodel.ifc workarea_outlines.dxf <p>現況地形</p> <ul style="list-style-type: none"> 目標形状 基準形状 設計データ <ul style="list-style-type: none"> (Soil surface)Mihama_0708_仮設道路.xml Mihama_0708_平場.xml Mihama_0708_仮設道路.xml workarea_outlines.dxf <ul style="list-style-type: none"> 色選択 透明度 <input type="checkbox"/> 地表面に投影 オルソ 構造物設計データ <p>Displayed in “Design Data” item 「設計データ」項目に表示</p> </div>

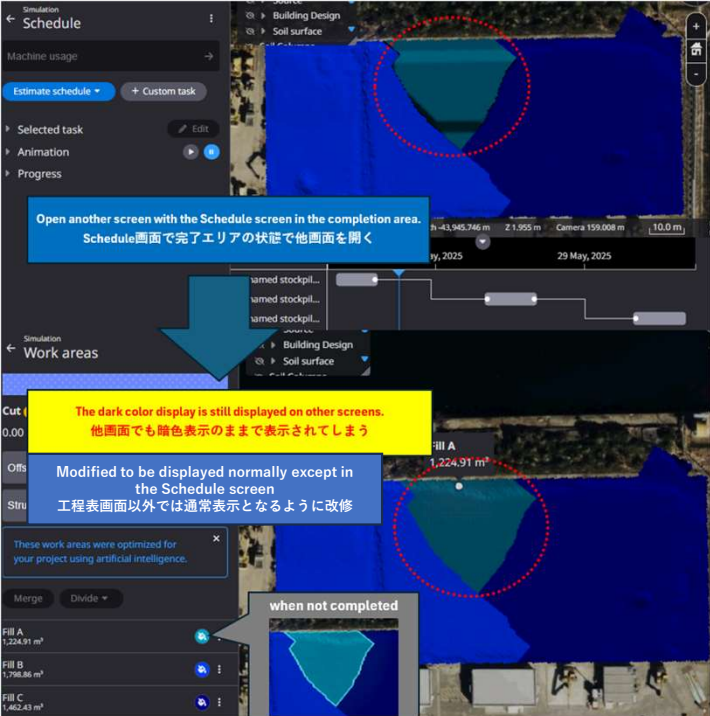
NO.	Target Functions	Overview
4	Simulation (Function Improvement)	<ul style="list-style-type: none"> • Overview : Added the ability to project linework to the ground surface • Details : A “Clamp to surface” option has been added to the linework display list. When this option is enabled, the imported linework will be clamped and displayed on the Simulation Surface. <div style="display: flex; justify-content: space-around;"> <div style="width: 45%;"> <p style="text-align: center;">Clamp to surface : OFF</p>  <p style="text-align: center;">Linework is not displayed on Simulation surface ラインワークがSimulation surface上に表示されない</p> </div> <div style="width: 45%;"> <p style="text-align: center;">Clamp to surface : ON</p>  <p style="text-align: center;">Linework is displayed as if it were attached to the Simulation Surface ラインワークが Simulation Surface に貼り付くように表示</p> </div> </div>

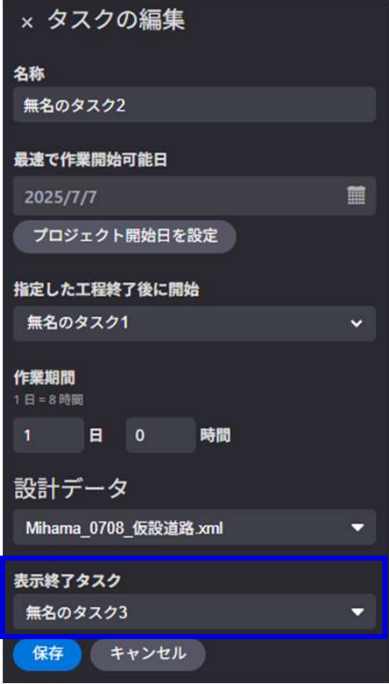
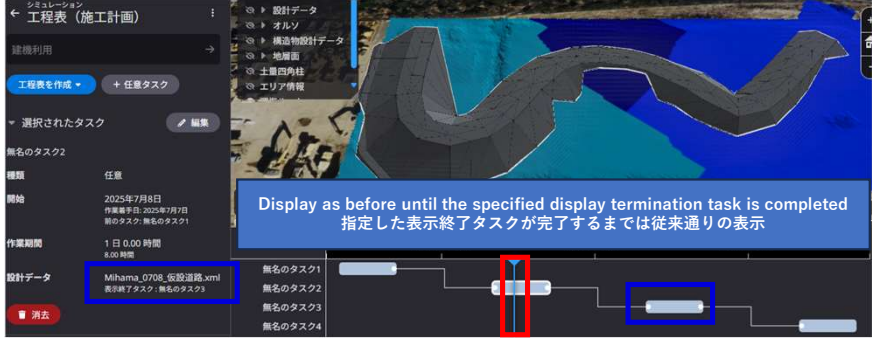
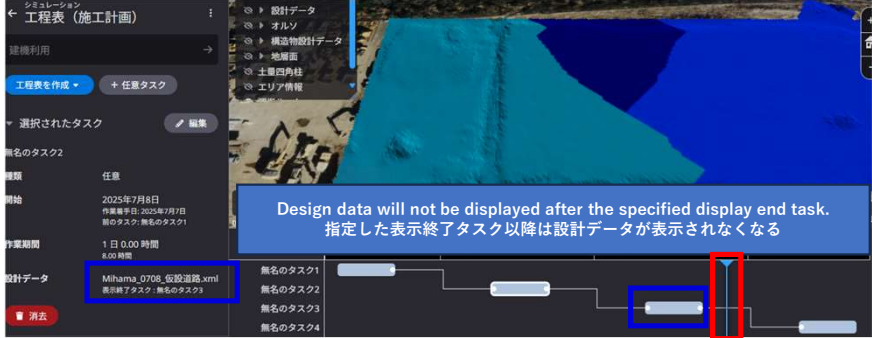
NO.	Target Functions	Overview
5	Simulation (Bug Repair)	<ul style="list-style-type: none"> Overview : Roads and barriers“ setting for soil distribution changed to ”unset“ when duplicating a simulation. Details : When a simulation is duplicated, the “Roads and barriers” setting is no longer set for the new simulation.This will ensure that the temporary routes and roadblock locations are correctly inherited.  <p>The screenshot shows two side-by-side views of the EarthBrain simulation interface. The left view shows the 'Roads and barriers' dropdown menu set to 'Unnamed road1, Unnamed barrier1'. A blue arrow labeled 'Duplicate' points to the right view, where the dropdown menu is now set to 'None'. A yellow callout box in the right view contains the text: 'Roads and barriers" changes to "Unset" after duplicating the simulation. シミュレーションを複製すると"Roads and barriers"が未設定に変わってしまう'. A blue callout box at the bottom right of the screenshot contains the text: 'Modified to take over Roads and Barriers settings 仮設ルートと走行禁止位置の設定を引き継ぐように改修'.</p>


NO.	Target Functions	Overview
6	Simulation (Bug Repair)	<ul style="list-style-type: none"> • Overview : Fixed a problem in which the previous route line remained displayed when editing Roads and Barriers. • Details : A problem has been corrected in which the previous route line would remain visible when editing temporary routes and prohibited locations. Now, only the route line being edited will be displayed. 

NO.	Target Functions	Overview
7	Simulation (Bug Repair)	<ul style="list-style-type: none"> • Overview : Fixed problem with area color change after simulation redisplay • Details : A problem that caused areas to change color when the simulation was redisplayed after area generation has been fixed. Now, the area color will no longer change when the simulation is redisplayed. 




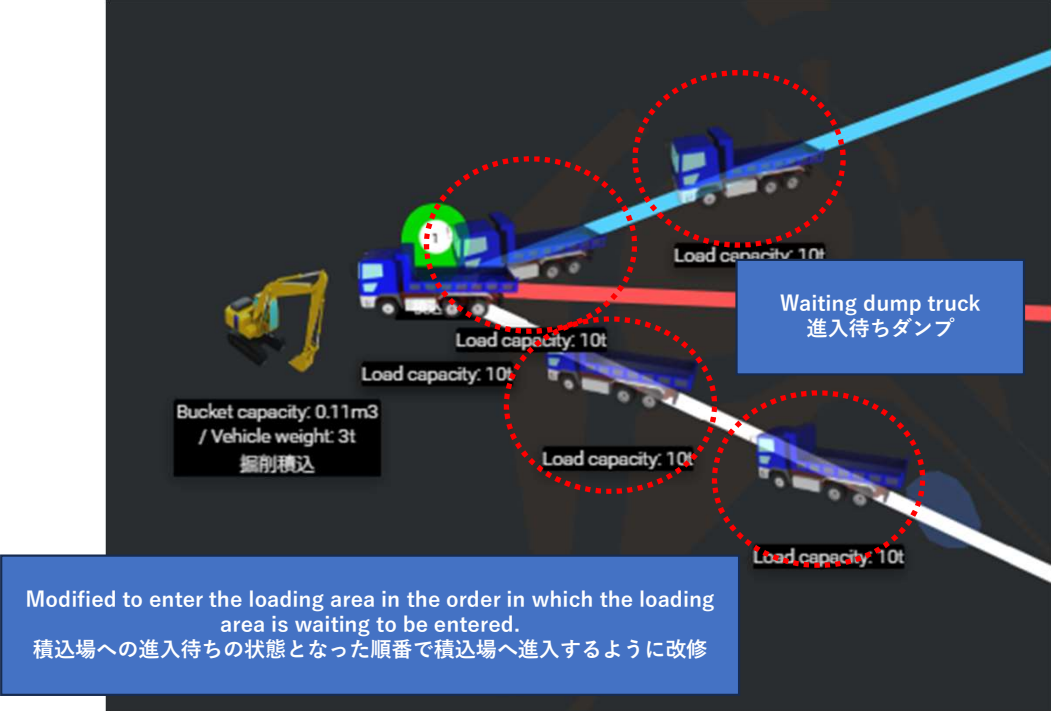
NO.	Target Functions	Overview
8	Simulation (Bug Repair)	<ul style="list-style-type: none">• Overview : Fixed a problem in which the completion area remained in dark color when opening other screens.• Details : A problem has been corrected in which the completion area would remain in dark color when another screen is opened with the completion area in dark color in the process chart screen.As a result, the completion area is no longer displayed in dark color on screens other than the process chart screen. 

NO.	Target Functions	Overview
9	Simulation (Function Improvement)	<ul style="list-style-type: none"> Overview : Implementation of the ability to hide design data associated with an arbitrary task at arbitrary timing. Details : Design data set in an arbitrary task can now be hidden at any timing by specifying a “display end task”.The design data will be hidden after the specified end-of-display task, otherwise it will be displayed as before.Note that if you specify a task to be completed before the set task, it will not be hidden.   <p>Display as before until the specified display termination task is completed 指定した表示終了タスクが完了するまでは従来通りの表示</p>  <p>Design data will not be displayed after the specified display end task. 指定した表示終了タスク以降は設計データが表示されなくなる</p>


NO.	Target Functions	Overview
10	Simulation (Bug Repair)	<ul style="list-style-type: none"> • Overview : Fixed a problem that prevented operation of the 3D map directly under the simple measurement menu. • Details : A problem that prevented 3D map manipulation in the area directly below the Simple Measurement menu has been corrected. Now, map dragging and other operations can be performed normally even under the simple measurement menu. 

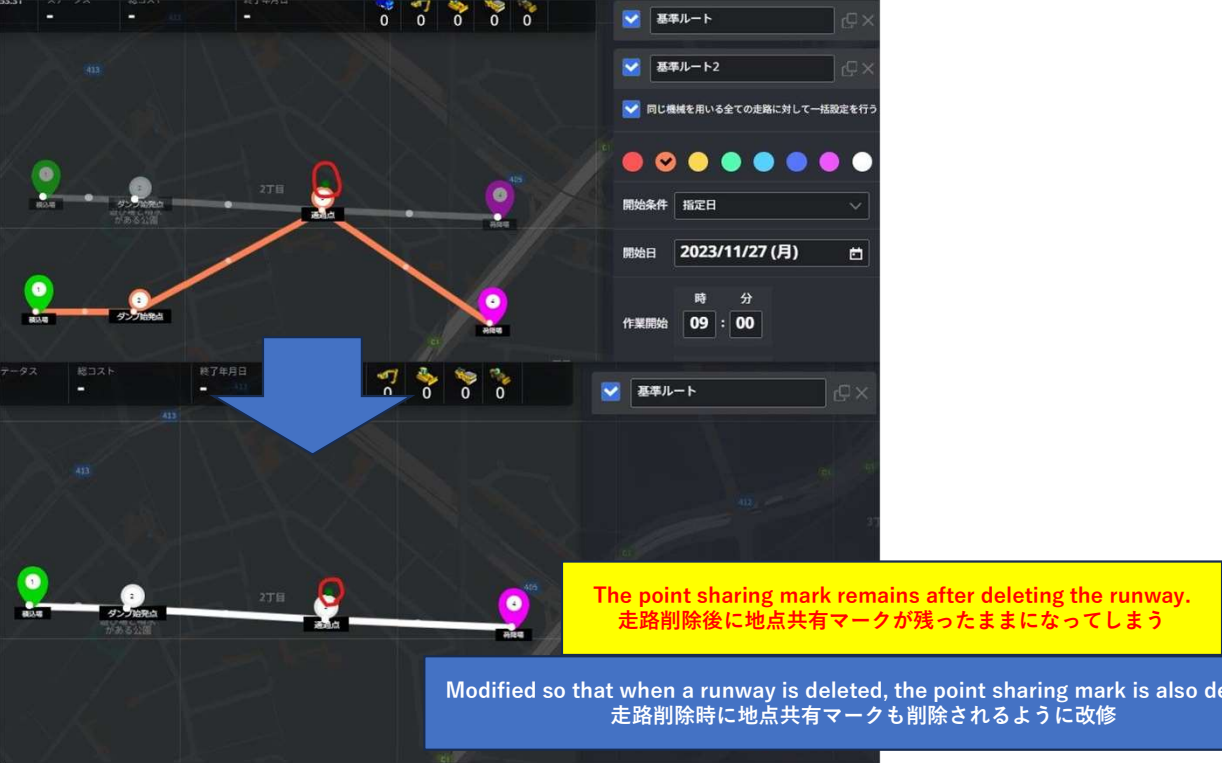


NO.	Target Functions	Overview												
11	Machine Simulation (Function Improvement)	<ul style="list-style-type: none"> • Overview : UI Improvement of Calculation Result List Screen • Details : UI changes have been made to improve the visibility of the Calculation Result List screen. The main change is that column widths can now be adjusted by dragging or double-clicking the right border of column headings.  <p>The screenshot shows a table with the following structure:</p> <table border="1"> <thead> <tr> <th>プラン名</th> <th>積込場建機</th> <th>ダンプトラック</th> </tr> </thead> <tbody> <tr> <td>1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0</td> <td>Bucket capacity: 0.11m3 / Vehicle weight: 3t×1 台</td> <td>Load capacity: 20t×1 台</td> </tr> <tr> <td>Plan 2</td> <td>Bucket capacity: 0.11m3 / Vehicle weight: 3t×1 台</td> <td>Load capacity: 40t×1 台</td> </tr> <tr> <td>Plan 3</td> <td>Bucket capacity: 0.11m3 / Vehicle weight: 3t×1 台</td> <td>Load capacity: 20t×1 台</td> </tr> </tbody> </table>	プラン名	積込場建機	ダンプトラック	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0	Bucket capacity: 0.11m3 / Vehicle weight: 3t×1 台	Load capacity: 20t×1 台	Plan 2	Bucket capacity: 0.11m3 / Vehicle weight: 3t×1 台	Load capacity: 40t×1 台	Plan 3	Bucket capacity: 0.11m3 / Vehicle weight: 3t×1 台	Load capacity: 20t×1 台
プラン名	積込場建機	ダンプトラック												
1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0	Bucket capacity: 0.11m3 / Vehicle weight: 3t×1 台	Load capacity: 20t×1 台												
Plan 2	Bucket capacity: 0.11m3 / Vehicle weight: 3t×1 台	Load capacity: 40t×1 台												
Plan 3	Bucket capacity: 0.11m3 / Vehicle weight: 3t×1 台	Load capacity: 20t×1 台												


NO.	Target Functions	Overview
12	Machine Simulation (Function Improvement)	<ul style="list-style-type: none"> • Overview : Fixes a problem in which entry into a shared loading area and loading operations were not performed in the correct order. • Details : When multiple runways share a loading area and there is a waiting list for entry into the loading area, the loading area is not entered in the order of arrival. From now on, the loading area will be entered sequentially and loading operations will be performed according to the order in which the waiting to enter the loading area occurred. 


NO.	Target Functions	Overview
13	Machine Simulation (Bug Repair)	<ul style="list-style-type: none"> • Overview : Fixed a problem that caused an empty operation day to be created. • Details : A problem had been observed in which an empty workday was created on the following day when the last loading by excavator was performed after the loading end time and the work at the unloading area was also completed on the same day. With this correction, the problem has been corrected so that empty operation days are not created even under these conditions.


NO.	Target Functions	Overview
14	Machine Simulation (Bug Repair)	<ul style="list-style-type: none"> Overview : Fixed a problem in which the plan filter did not close when pressed outside the plan filter area. Details : In the List of Calculation Results screen, a problem in which the plan filter did not close when the outside of the filter area was clicked while the plan filter was being displayed has been corrected. Now, clicking outside the filter area closes the filter correctly. <div data-bbox="629 719 2141 1305" style="border: 1px solid black; padding: 10px; margin: 10px 0;">  <p style="text-align: center; background-color: #0056b3; color: white; padding: 5px;"> Modified to close the plan filter by clicking outside the filter area when it is displayed プランフィルター表示時にフィルター領域外をクリックすることで閉じるように改修 </p> </div>

NO.	Target Functions	Overview
15	Machine Simulation (Bug Repair)	<ul style="list-style-type: none"> Overview : Fixed an issue where the location sharing symbol on the map would remain after deleting a runway. Details : When multiple runways share a location, only the shared location marker remains after deleting one of the runways. With this fix, the point sharing mark is now correctly deleted when deleting a runway. 




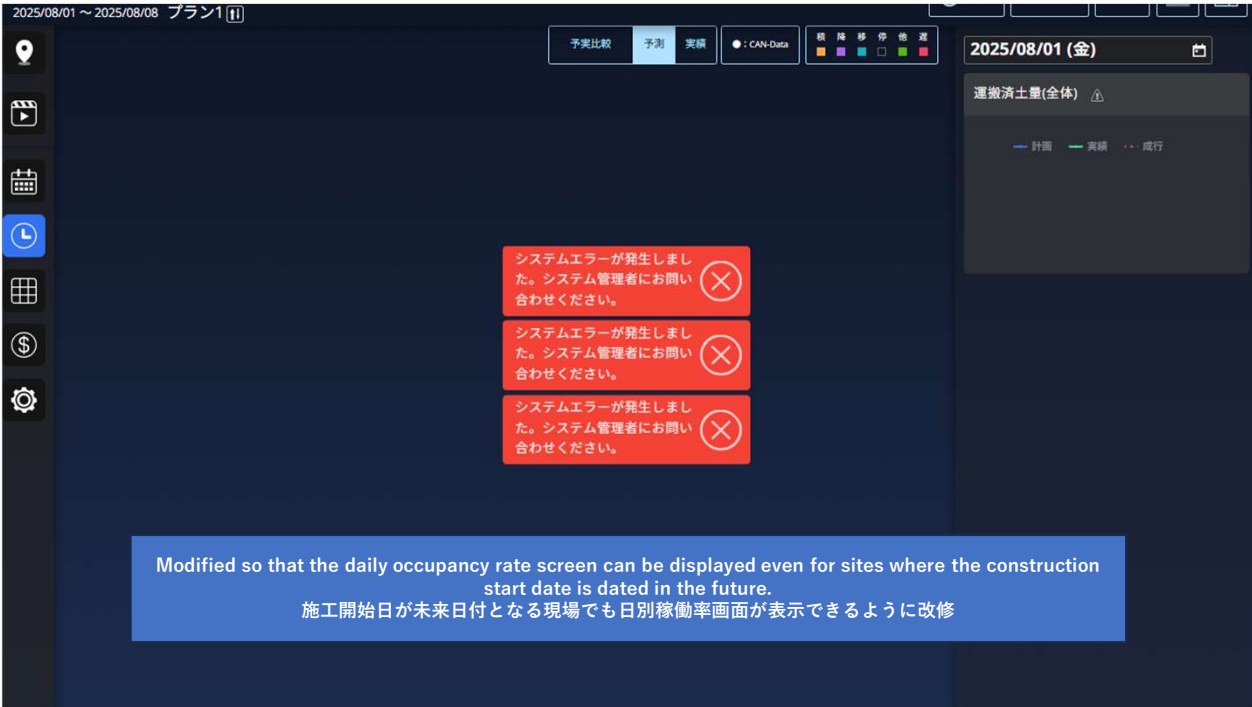
NO.	Target Functions	Overview
16	Machine Simulation (Bug Repair)	<ul style="list-style-type: none"> Overview : Fixed a problem that caused a system error when re-planning plans with runway completion when unloading areas are shared. Details : Fixed a problem in which a system error occurred when creating a replanning plan with one of the runways as complete when the unloading area is shared. Now, the re-planning plan is created normally under the relevant conditions.  <p data-bbox="925 1284 1765 1385">System error in re-planning plan creation with one of them as complete when they share an unloading area. 荷降場を共有している場合に、一方を完了とした再計画プラン作成でシステムエラーが発生する</p> <p data-bbox="1776 1284 2190 1385">Modified to allow normal re-planning plans to be created. 正常に再計画プランが作成できるように改修</p>

NO.	Target Functions	Overview
17	Machine Simulation (Bug Repair)	<ul style="list-style-type: none"> Overview : Fixed a problem in which entries are cleared when returning to the previous page when adding a runway. Details : A bug has been confirmed that when adding a new runway, if you go back to the previous page, the entries are cleared. With this fix, the edited information is retained even if you go back to the previous page. The same fix has been applied when adding a new runway via Fleet. 

NO.	Target Functions	Overview
18	Machine Simulation (Bug Repair)	<ul style="list-style-type: none"> Overview : Fixed an issue that caused the Fleet linkage menu to be hidden when displaying the location sub-window Details : We have fixed a problem that caused the Fleet linkage menu to be hidden behind the geotemporal sub-window when it is displayed. Now, the Fleet linkage menu is always displayed in the forefront.  <p>Fleet linkage menu display is hidden behind only when the points sub-window is displayed. Fleet連携メニューの表示が地点サブウィンドウ表示時のみ裏に隠れてしまう</p> <p>Fleet linkage menu modified to be displayed at the front of the page Fleet連携メニューが最前面に表示されるように改修</p>



NO.	Target Functions	Overview
19	Machine Simulation (Function Improvement)	<ul style="list-style-type: none">• Overview : When linking a runway from Fleet, the importing process of segments other than road fit has been changed.• Details : When linking a runway from Fleet, the specification has been changed so that sections other than road-fit sections are imported as line segments (broken lines) instead of as “transit points”.For road fit sections, only the start and end points are registered as transit points, and road fitting is automatically applied.  <p>HANDWRITING section is a broken line with no additional points of passage HANDWRITING区間は通過点を追加ではなく折れ線とする</p>

NO.	Target Functions	Overview
20	Machine Simulation (Bug Repair)	<ul style="list-style-type: none"> • Overview : Fixed a problem that prevented the daily availability rate screen from being displayed for construction sites with a future date. • Details : We have corrected a problem that caused a system error in the daily availability rate screen when Fleet linkage information is available for a site with a construction start date that is not scheduled in the future. Now, the daily availability rate screen is displayed normally even under the relevant conditions.  <p>The screenshot shows a software interface for machine simulation. At the top, it displays the date range '2025/08/01 ~ 2025/08/08' and 'プラン1'. The main area is dark blue with several red error messages: 'システムエラーが発生しました。システム管理者にお問い合わせください。' (A system error has occurred. Please contact the system administrator). A blue box at the bottom contains the text: 'Modified so that the daily occupancy rate screen can be displayed even for sites where the construction start date is dated in the future. 施工開始日が未来日付となる現場でも日別稼働率画面が表示できるように改修'.</p>

NO.	Target Functions	Overview
21	Machine Simulation (Bug Repair)	<ul style="list-style-type: none"> Overview : Fixed a problem in which deleting a construction machine setting when adding a runway deletes a different construction machine. Details : Fixed a problem in which deleting a construction equipment setting when adding a runway unintentionally deleted the lowest construction equipment. Now, when deleting a construction equipment at each location (loading/dumping/unloading area) on the dialog, only the target construction equipment is deleted correctly.

