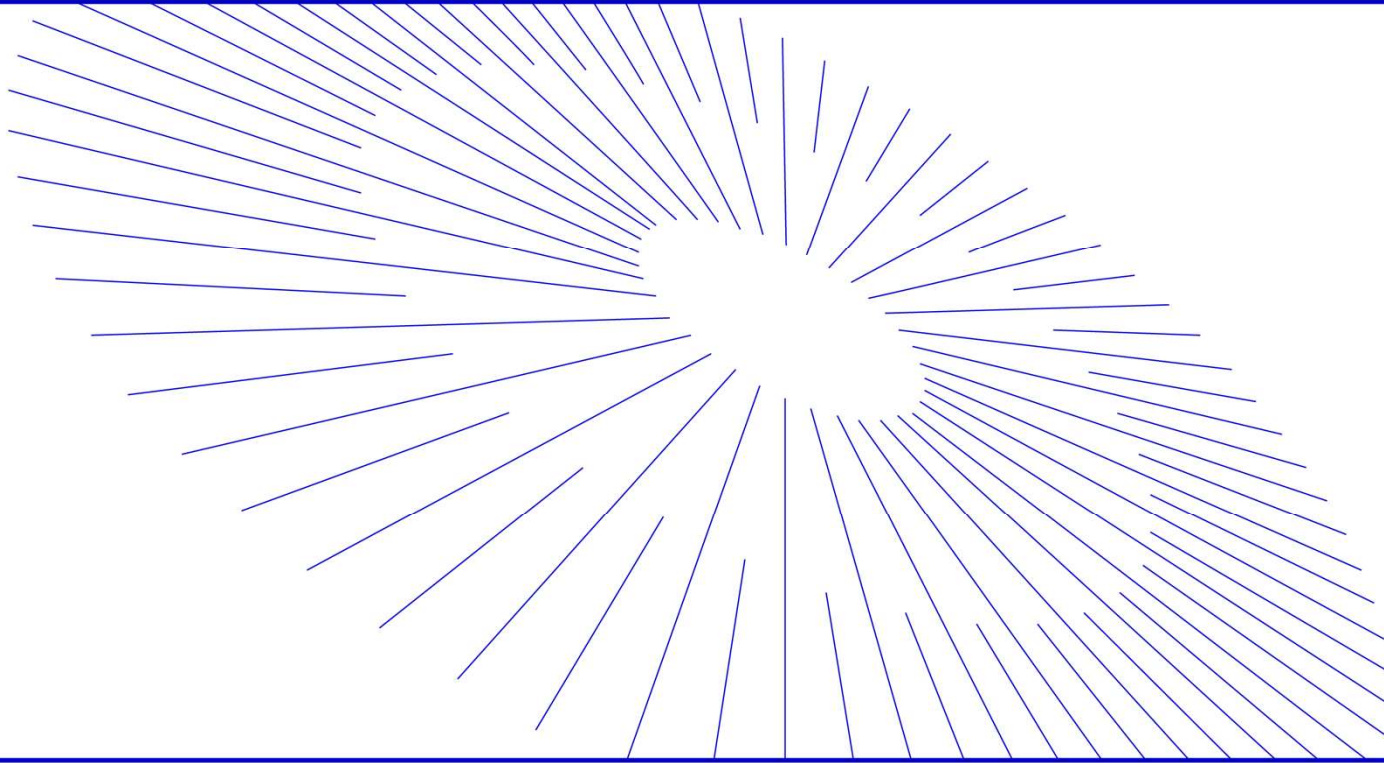


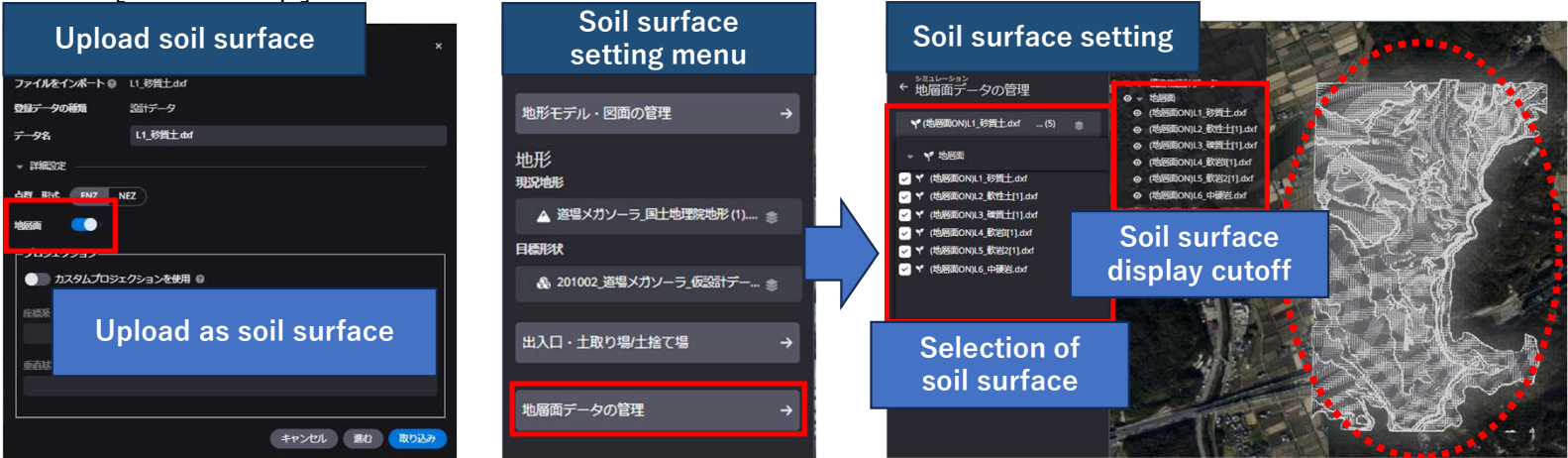
Smart Construction Simulation

2024.10.29(Schedule) About the Release Version

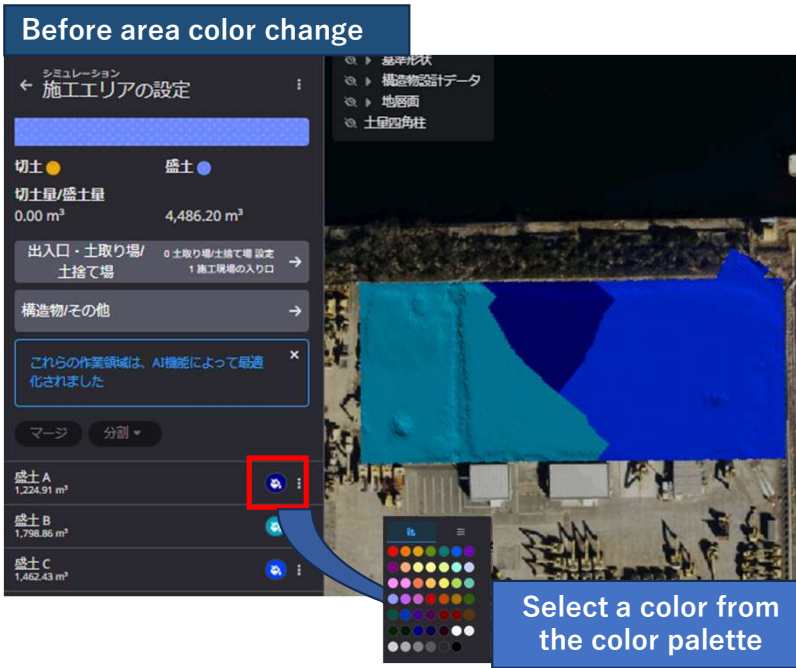
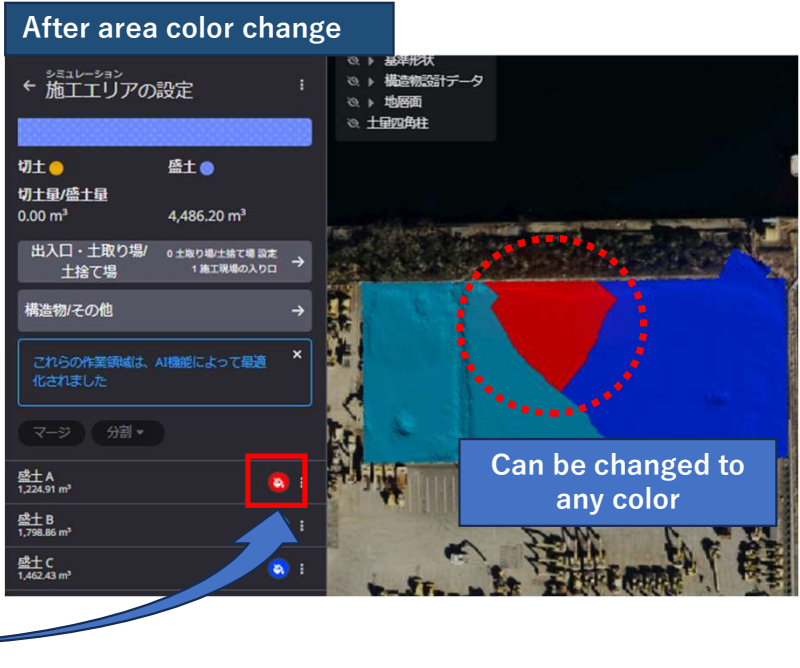




- We are pleased to announce the release of updates to "Smart Construction Simulation" with the following schedule and content.
- Due to system maintenance, the relevant services will not be available during the following dates.
(*The release schedule, time, and contents are subject to change depending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


Schedule : Tuesday, October 29 (Japan time) 7:00 p.m. - 12:00 p.m.

NO.	Target Functions	Overview
1	Simulation (Function Improvement)	<ul style="list-style-type: none"> • Overview : Visualization of soil cross section” function implemented. • Details : The ability to view uploaded files as Soil surface has been implemented. Data can be uploaded as Soil surface by turning on “Soil surface” in the detailed settings when uploading. The setting of Soil surface to be displayed on the map can be made from the [Site setup] screen. 



NO.	Target Functions	Overview
2	Simulation (Function Improvement)	<ul style="list-style-type: none">• Overview : Implemented “Change Area Color” function.• Details : In the [Work areas] screen, it is now possible to change the color of an area to any desired color. The color can be changed using the color change button to the right of the area name in the list.   <p>Select a color from the color palette</p> <p>Can be changed to any color</p>

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3	Machine Simulation (Function Improvement)	<ul style="list-style-type: none"> Overview : Deletion of unused items (working distance) in excavation construction equipment Details : In the Construction Equipment tab, the “Working Distance” item, which is used only for hauling operations, was also displayed for excavating construction equipment. The “Working Distance” item was deleted because it is not used for excavating construction equipment. Similarly, in the [Working Capacity of Selected Machine] screen, the “Transport Distance” item was also deleted because it is not used. <div style="display: flex; justify-content: space-around;"> <div data-bbox="555 751 1003 1353" style="border: 1px solid black; padding: 5px;"> <p>Items on the Construction Equipment tab</p>  </div> <div data-bbox="1003 751 2208 1353" style="border: 1px solid black; padding: 5px;"> <p>Working capacity of selected machines</p>  <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>ブレード容量 (m3)</td><td>0.52</td></tr> <tr><td>オペ熟練度</td><td>1.00</td></tr> <tr><td>掘削高さ (m)</td><td>0.05</td></tr> <tr><td>ブレード幅 (m)</td><td>2.16</td></tr> <tr><td>掘削速度 (m/min)</td><td>46.67</td></tr> <tr><td>掘削距離 (m)</td><td>4.81</td></tr> <tr style="border: 2px solid red;"><td>運搬距離 (m)</td><td>100.00</td></tr> <tr><td>敷均し高さ (m)</td><td>0.05</td></tr> <tr><td>法面整形能力 (m2/h)</td><td>7.40</td></tr> </table> </div> </div>	ブレード容量 (m3)	0.52	オペ熟練度	1.00	掘削高さ (m)	0.05	ブレード幅 (m)	2.16	掘削速度 (m/min)	46.67	掘削距離 (m)	4.81	運搬距離 (m)	100.00	敷均し高さ (m)	0.05	法面整形能力 (m2/h)	7.40
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4	Machine Simulation (Bug Repair)	<ul style="list-style-type: none"> • Overview : Modified the problem of dump trucks entering the loading area beyond capacity. • Details : The problem of dump trucks entering the loading area beyond the work capacity when the runway is set entirely on a narrow road has been corrected. <div data-bbox="696 571 2087 1356" style="text-align: center;">  <p data-bbox="696 571 1402 711">Only one dump truck can work in the loading area (working capacity = number of excavators)</p> <p data-bbox="898 874 1055 895">Load capacity: 10t</p> <p data-bbox="1021 954 1223 1023">Bucket capacity: 1.9m³ / Vehicle weight: 45t 掘削</p> <p data-bbox="1402 1161 2087 1302">A second dump truck enters the loading area. → Modified to prevent dump trucks from entering beyond work capacity</p> </div>

NO.	Target Functions	Overview
5	Machine Simulation (Bug Repair)	<ul style="list-style-type: none"> Overview : Fixed a problem in which the start condition was after the completion of the entire shared runway when the standard calculation was performed for a shared construction area with a front runway. Details : he problem of starting after the completion of the entire shared runway only in the standard calculation when the front runway is shared and there is no construction equipment reuse has been corrected. Other start conditions have also been corrected in the standard calculation. (see next page)

NO.	Target Functions	Overview
5	Machine Simulation (Bug Repair)	<p>When a construction machine is in use between shared runways under the following two start conditions, the construction machine in use is now added as a new machine and started after the designated runway.</p> <div style="border: 1px solid blue; padding: 5px; margin: 10px 0;"> <p>開始条件</p> <ul style="list-style-type: none"> 指定走路の完了 (同じ機械編成が使用可能な場合は使用する) 指定日または指定走路の完了 (同じ機械編成が使用可能な場合は使用する) </div> <div style="border: 1px solid blue; padding: 5px; margin: 10px 0;"> <p>< 走路C > Starting condition: 走路B Reuse the machine: 走路B</p> </div> <div style="border: 1px solid blue; padding: 5px; margin: 10px 0;"> <p>走路A with some of the construction equipment of 走路B in use. → Started after the end of 走路A</p> </div> <div style="border: 1px solid blue; padding: 5px; margin: 10px 0;"> <p>Some of the construction equipment of 走路B is in use at 走路A → Started after completion of 走路B ※ New construction equipment in use at 走路A is added.</p> </div>

