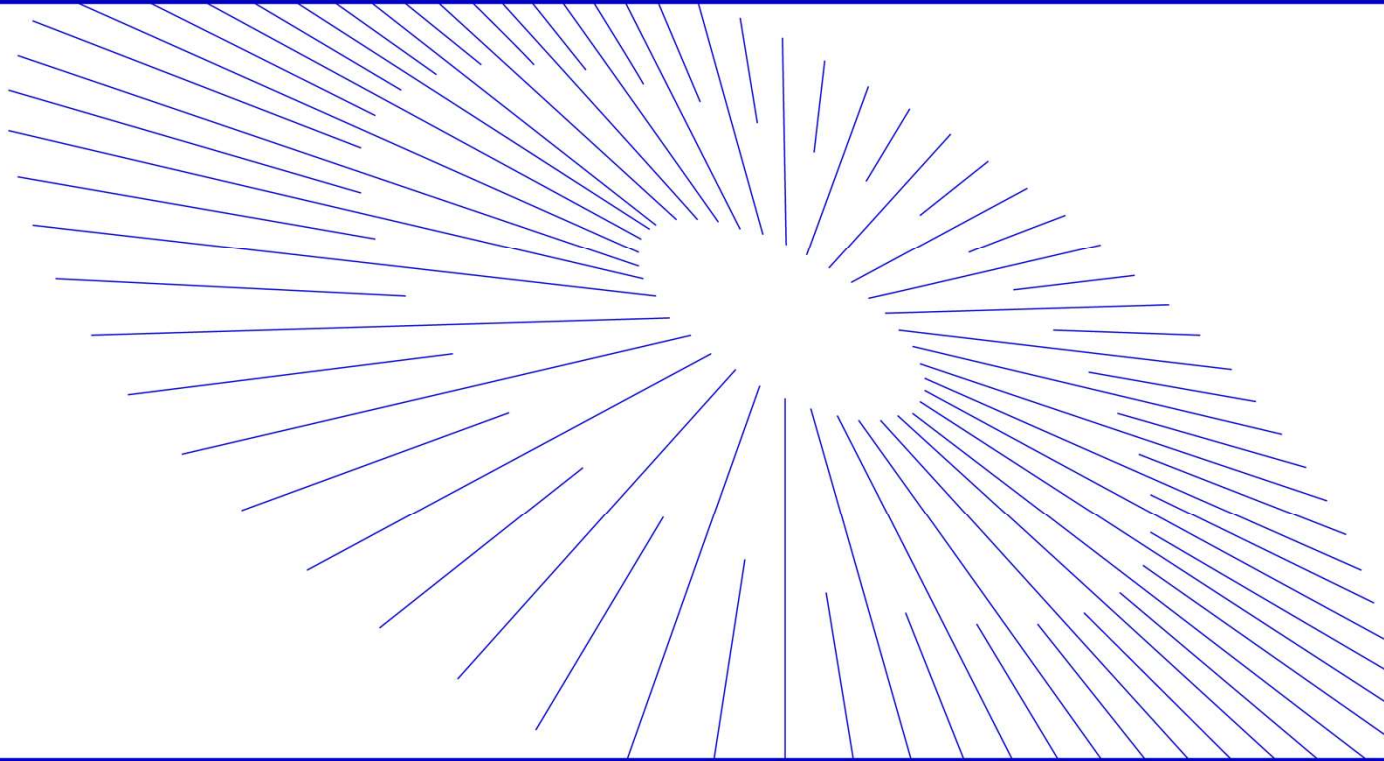


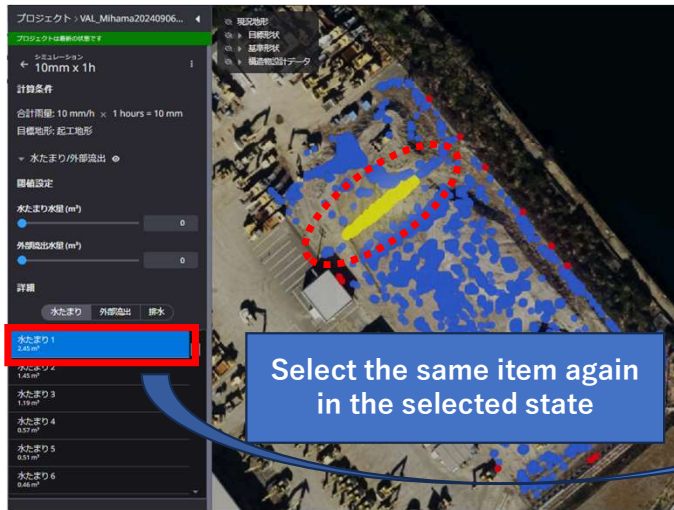

Smart Construction Simulation

2024.10.15(Schedule) About the Release Version

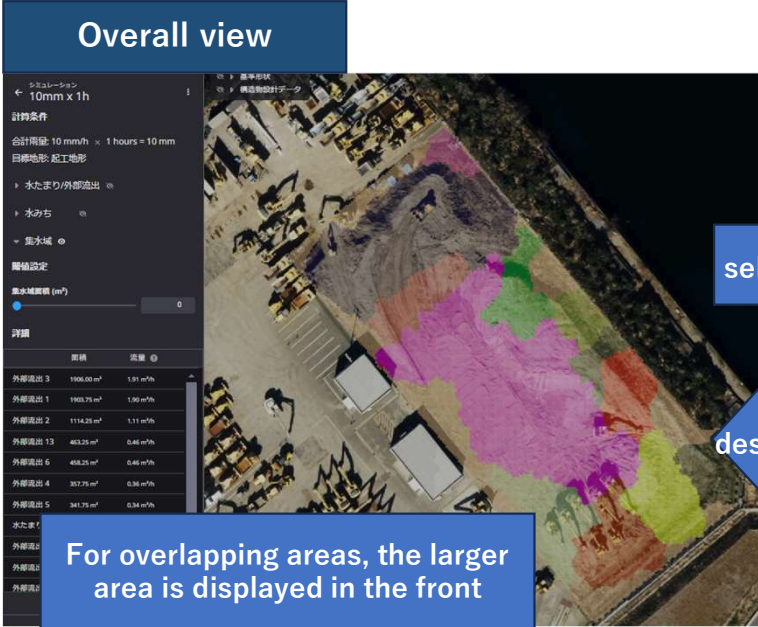



- We are pleased to announce the release of updates to "Smart Construction Simulation" with the following schedule and content.
- Due to system maintenance, the relevant services will not be available during the following dates.
 (*The release schedule, time, and contents are subject to change depending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

Schedule : Tuesday, October 15 (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 : Implemented the ability to deselect a list of Water flow prediction. • Details : The list of selected items in the calculation results of Water flow prediction has been changed so that selecting the same items again will deselect them. <div style="display: flex; justify-content: space-around; align-items: center;">   </div>

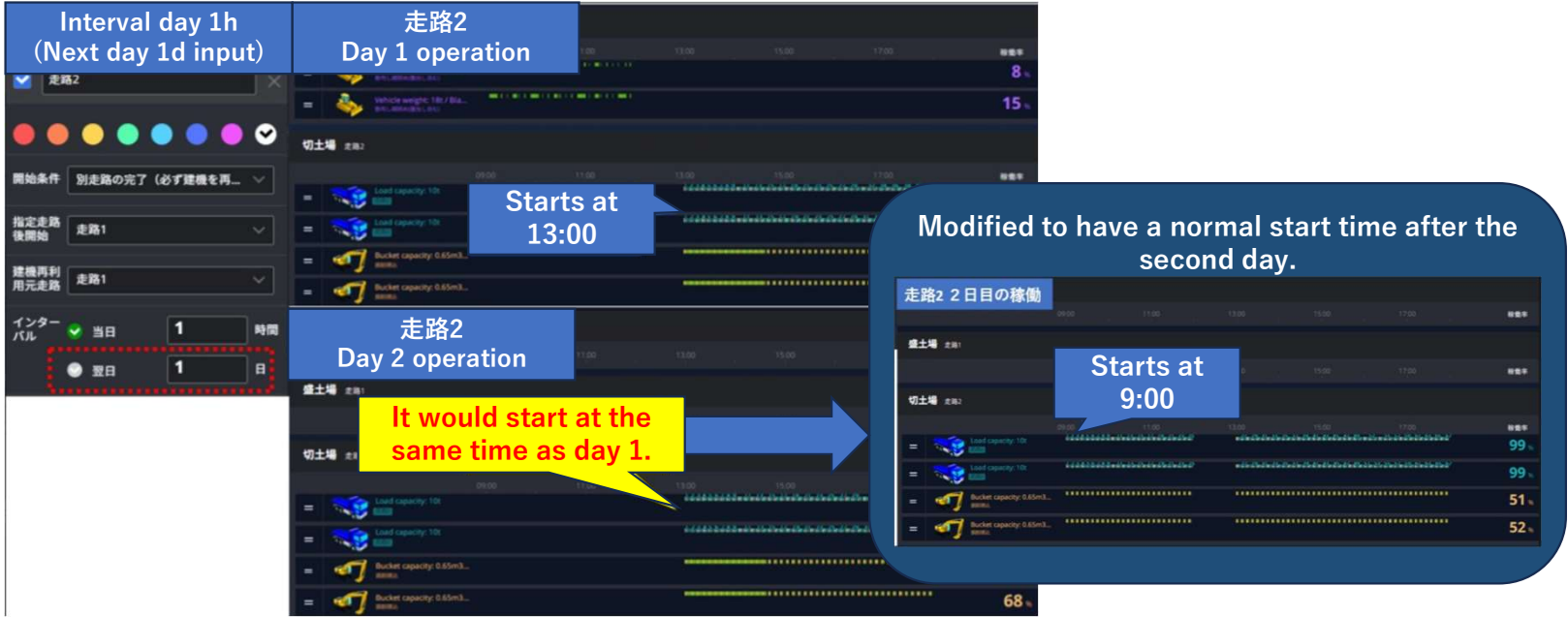


NO.	Target Functions	Overview
2	Simulation (Function Improvement)	<ul style="list-style-type: none"> • Overview : Watershed function for Water flow prediction is implemented. • Details : A function has been implemented to visualize Watershed for off-site runoff points or puddles that do not leak out of the field for the assumed rainfall in the water flow prediction calculation. The following two items are displayed in the list. <ol style="list-style-type: none"> ① Watershed area for off-site runoff points or puddles that do not leak out of the site. ② The amount of runoff based on the rational formula according to the watershed area. <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>Overall view</p>  <p>For overlapping areas, the larger area is displayed in the front</p> </div> <div style="text-align: center;"> <p>Individual Display</p>  <p>Highlight only the relevant area • Puddle (yellow) • Watershed (white)</p> </div> </div>



NO.	Target Functions	Overview																																				
2	Simulation (Function Improvement)	<div data-bbox="629 422 1099 1348"> <p>集水域 ①</p> <p>閾値設定</p> <p>集水域面積 (m²) 0</p> <p>詳細</p> <table border="1"> <thead> <tr> <th></th> <th>面積 ②</th> <th>流量 ③</th> </tr> </thead> <tbody> <tr> <td>外部流出 3</td> <td>1906.00 m²</td> <td>13.34 m³/h</td> </tr> <tr> <td>外部流出 1</td> <td>1903.75 m²</td> <td>13.33 m³/h</td> </tr> <tr> <td>外部流出 2</td> <td>1114.25 m²</td> <td>7.80 m³/h</td> </tr> <tr> <td>外部流出 13</td> <td>463.25 m²</td> <td>3.24 m³/h</td> </tr> <tr> <td>外部流出 6</td> <td>458.25 m²</td> <td>3.21 m³/h</td> </tr> <tr> <td>外部流出 4</td> <td>357.75 m²</td> <td>2.50 m³/h</td> </tr> <tr> <td>外部流出 5</td> <td>341.75 m²</td> <td>2.39 m³/h</td> </tr> <tr> <td>水たまり 1</td> <td>295.25 m²</td> <td>2.07 m³/h</td> </tr> <tr> <td>外部流出 10</td> <td>249.75 m²</td> <td>1.75 m³/h</td> </tr> <tr> <td>外部流出 7</td> <td>237.50 m²</td> <td>1.66 m³/h</td> </tr> <tr> <td>外部流出 8</td> <td>232.25 m²</td> <td>1.63 m³/h</td> </tr> </tbody> </table> <p>④</p> <p>⑤ 流出係数 0.7 再計算</p> </div> <div data-bbox="1153 443 2184 1316"> <p>① Filter by watershed area Watershed area thresholds are set for display on lists and maps</p> <p>② Area Watershed area for off-site outflow points or puddles that do not leak out of the field</p> <p>③ Flow rate Volume of runoff calculated by the rational formula according to the watershed area</p> <p>④ References for rational equation Click on the “?” icon” displays the reference of the rational formula.</p> <div data-bbox="1534 941 1769 1101"> <p>流量は合式に基づいて計算されます</p> <p>合式</p> $Q = 1/1000 \cdot C \cdot I \cdot A$ <ul style="list-style-type: none"> • Q: 流量 [m³/h] • C: 流出係数 • I: 雨量強度 [mm/h] • A: 集水域面積 [m²] </div> <p>⑤ Runoff coefficient [Recalculate] Displays and recalculates the runoff coefficient used in the flow calculation. (The initial value is 0.7 and can be updated by recalculation after the coefficient is changed.)</p> </div>		面積 ②	流量 ③	外部流出 3	1906.00 m ²	13.34 m ³ /h	外部流出 1	1903.75 m ²	13.33 m ³ /h	外部流出 2	1114.25 m ²	7.80 m ³ /h	外部流出 13	463.25 m ²	3.24 m ³ /h	外部流出 6	458.25 m ²	3.21 m ³ /h	外部流出 4	357.75 m ²	2.50 m ³ /h	外部流出 5	341.75 m ²	2.39 m ³ /h	水たまり 1	295.25 m ²	2.07 m ³ /h	外部流出 10	249.75 m ²	1.75 m ³ /h	外部流出 7	237.50 m ²	1.66 m ³ /h	外部流出 8	232.25 m ²	1.63 m ³ /h
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NO.	Target Functions	Overview
3	Machine Simulation (Bug Repair)	<ul style="list-style-type: none">• Overview : Fixed a problem in which the start time of the second day or later would be out of sync with the start time of the first day or later when the interval of a run is specified for the same day in the “input state of one or more days on the next day”.• Details : Fixed a problem in which the second and subsequent days would have the same start time as the first day when the interval setting for a runway was specified for that day but the input status for the next day was “more than 1 day”.  <p>The screenshot displays the simulation interface with the following callouts:</p> <ul style="list-style-type: none">Interval day 1h (Next day 1d input): Control panel on the left.走路2 Day 1 operation: Callout pointing to the start time of 13:00.走路2 Day 2 operation: Callout pointing to the start time of 9:00.It would start at the same time as day 1.: Yellow callout pointing to the 13:00 time slot on Day 2.Modified to have a normal start time after the second day.: Blue callout pointing to the 9:00 start time on Day 2.

