MC Mobile

MC-Mobile

3D-MC Mobile How to Create Surfaces

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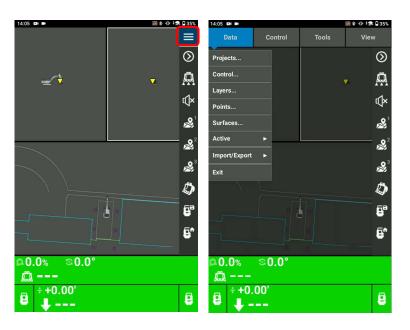
How to Create New Surfaces in 3D-MC Mobile

There are 7 options to create new surfaces and edit existing surfaces in 3DMC Mobile

- 1. Flat Plane Surface
- 2. Sloping Plane Surface
- 3. Crown Road Surface
- 4. Triangulated Surface from Topo Survey
- 5. Raise/Lower Existing Surface
- 6. Subgrade of Existing Alignment
- 7. Surface from Polyline to Alignment with template
- 8. Surface from Polyline to Alignment without template

How to Create New Surfaces in 3DMC Mobile

- Select = to find the surface options
- Select Data
- Select Surfaces



How to Create New Surfaces in 3DMC Mobile

Select New

There are 6 options to create new surfaces.

- Select Flat Plane Surface to create a flat plane surface
- Name your flat plane surface
- Select Next

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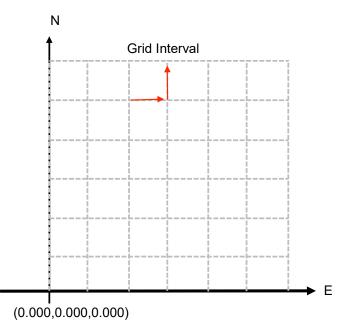
Surface Wizard : Surface Name and Type Name FLAT1 Surface type Flat Plane Surface Crown Road Surface Crown Road Surface Triangulated surface from Topo Survey Raise/Lower existing surface Subgrade of existing alignment	14:05 🛤 🛤	₩ 🕯 🛛	† \$ \$ 🔒 35%
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Triangulated surface from Topo Survey Raise/Lower existing surface	Sloping Plane Surface		
Raise/Lower existing surface	Crown Road Surface		
	Triangulated surface from Topo Survey		
Subgrade of existing alignment	Raise/Lower existing surface		
	Subgrade of existing alignment		
Next > Cancel			

Flat Plane Surface



In order to create a new flat plane surface, define the reference height/coordinate for the flat plane surface

- Select Point of Interest of your bucket POIL Left Edge
- Select select to take a Topo shot of your current bucket position for your flat plane
- Or Select S to pick up a known point for your flat plane
- Input Grid Interval
- Select Finish



Flat Plane Surface

- Select Yes, Set "xxxx" as active surface ?
- Select Close



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Flat Plane Surface

- Ensure your created surface becomes your Cut/Fill Elevation reference
- Move your bucket and follow Cut/Fill value

