



ICARUS SYSTEMS NV

SOIL CONFINEMENT SOLUTIONS PRESENTATION

Juni 2018

Soil Stabilization

* 3D Geocell GEOWEB



Load Support:
-Unpaved roads
-Paved roads



Slope Protection



Channel Protection



Retaining Walls

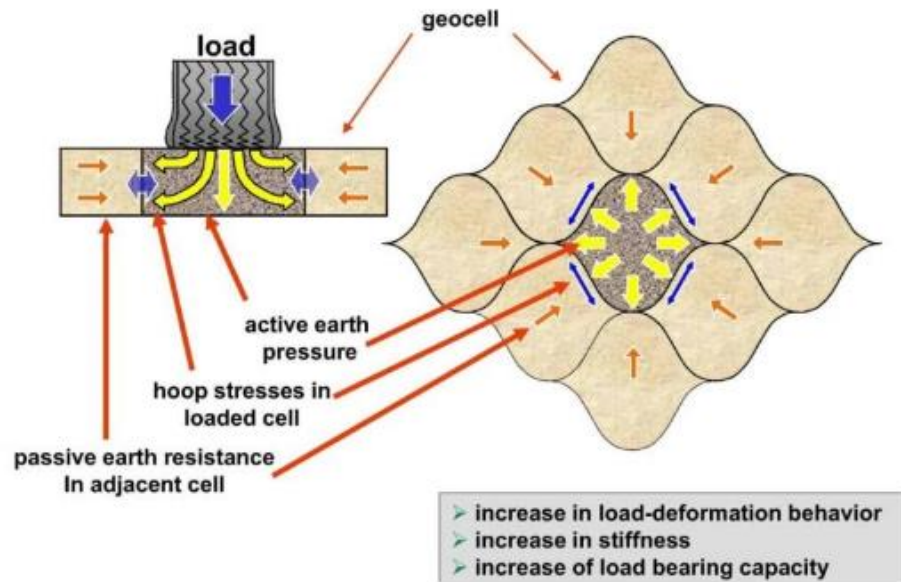


Material contains privileged and confidential information



GEOWEB Load Support for roads

If a single geocell is loaded, active earth pressure within the loaded cell, hoop stresses in the cell wall and passive earth resistance in the adjacent cell are mobilized



Load Support Benefits:

-Confinement reduces roadbase thickness up to 50% by spreading the load over a larger area

-Confinement reduces maintenance by approx. 80%.



GEOWEB Load Support for roads

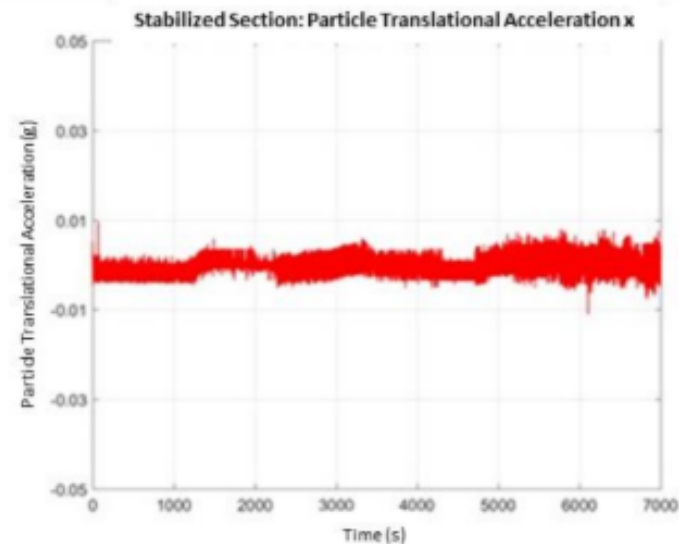
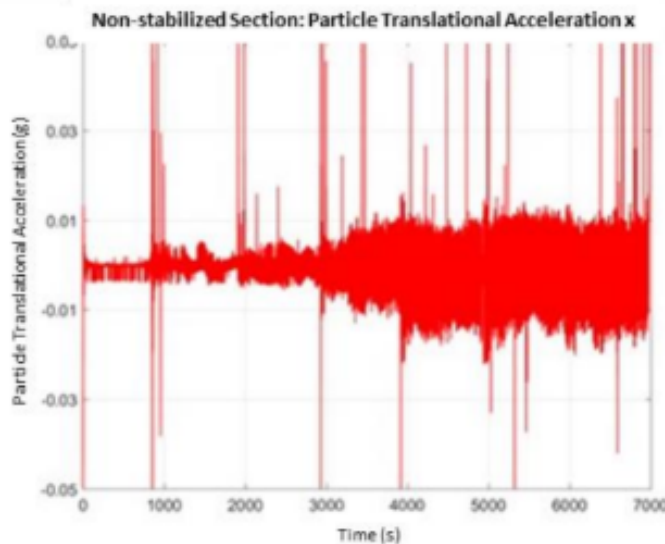
Reduction in maintenance is due to dramatic reduction of movement of particles under vehicle tire loads:

PRESTO



GEOSYSTEMS

RESEARCH REVIEW



Non-stabilized Section: Particle Translational Acceleration y

Stabilized Section: Particle Translational Acceleration y



Material contains privileged and confidential information



L

S

C

E

Newmont Merian Mining haul roads

To date, 8 kilometers of Newmont haulroads at the Merian mine site, have been constructed with Geoweb, including the crucial feeder ramps:



Material contains privileged and confidential information



L

S

C

E

Geoweb roadbase for paved roads:

Geoweb filled with sand has been used as a cheaper road base than base course for paved roads for Intervast, VABI, BEM and Wegenautoriteit Suriname:

