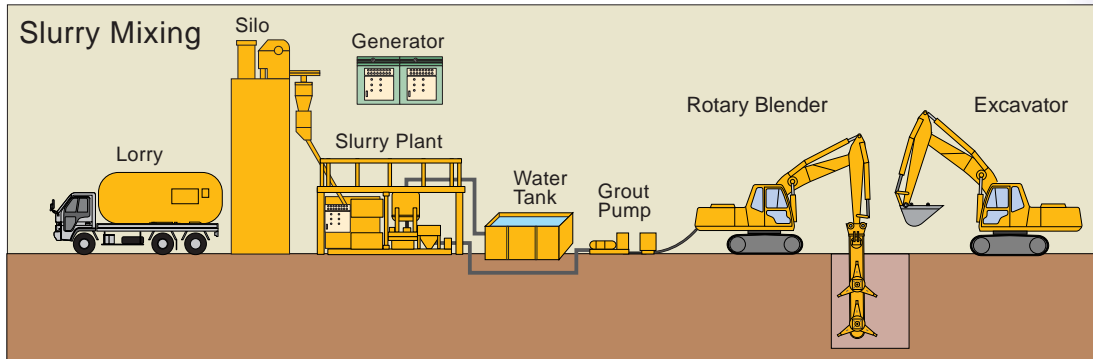
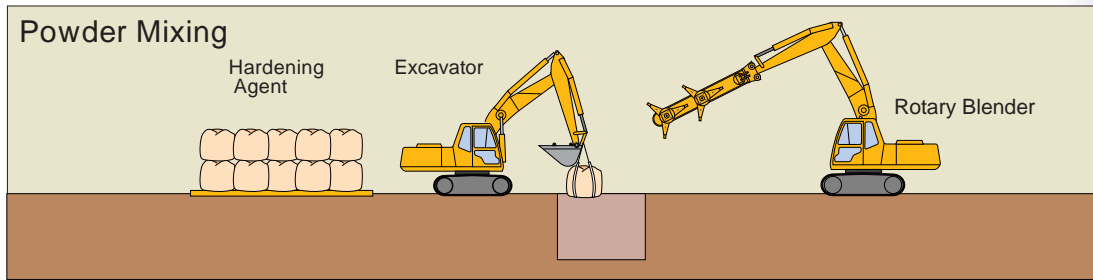




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● Concept



● Construction Example



Powder Mixing to reinforce subgrade under embankment



Slurry Mixing to prevent road settlement

	Maximum Improvement Depth		Applicable Soil	
	Powder	Slurry	Sandy Soil	Cohesive Soil
Rotary Blender	3.0m	4.0m ¹	$N < 10$ ²	$N < 5$
Bucket Mixing	1.0m	2.0m	$N < 15$	$N < 5$

¹ Up to 7.0 m with attachment

² SPT N value

● Application

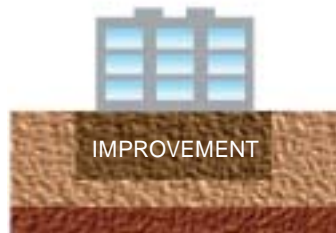
Slip failure or settlement prevention for embankment



Settlement prevention for road subgrade



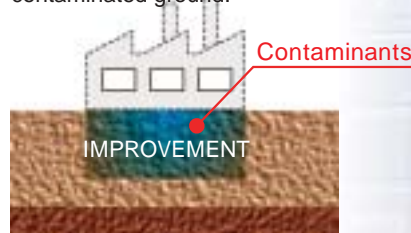
Mat foundation of structures



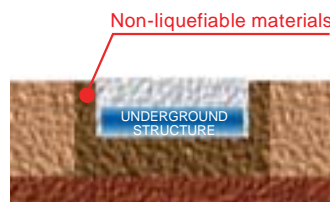
Foundation for heavy equipment



Solidification and stabilization of contaminated ground.



Liquefaction prevention



Surface Compact Mixing



Shallow Soil Mixing Applicable to Various Site Conditions

SCM (Surface Compact Mixing) is a method to mechanically mix in-situ soil with cement powder or slurry. SCM provides two different mixing equipments, Rotary Blender and Bucket Mixing, to be selected depending on improvement objectives and depth. The unique mixing mechanism provides efficient, cost effective and quality improvement. Larger plant is not necessary. The mixing device can be attached to a local 0.7 - 1.0m³ excavator.

● Mixing Mechanism



Bucket Mixing Type



Rotary Blender Type