

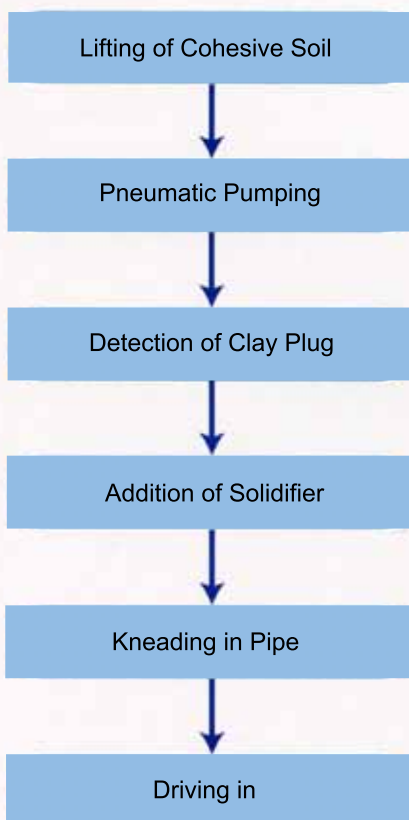
# Pipe Mixing Method

The Pipe Mixing Method adds solidifier slurry directly to cohesive soil by pipe pumping and kneads the cohesive soil and solidifies with the effect of pumping energy. The target strength of improved soil reaches to about  $q_u=100 \text{ kN/m}^2$

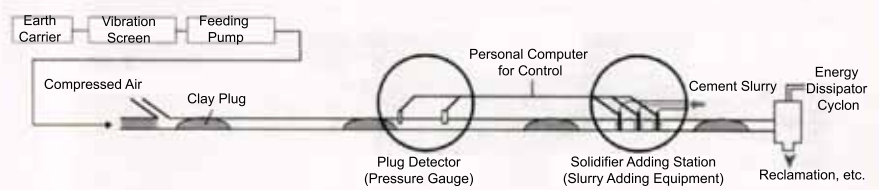
## Features

- ★ Direct mixture of solidifier slurry into a clay plug raises the efficiency of kneading.
- ★ Dredged material can be recycled for good use
- ★ An existing pneumatic pumping pontoon can be used
- ★ Mass disposal of dredged material is possible and ground improvement after reclamation not required.

## Working Procedure



## Equipment to be Used



Pumping System



Driving Operation

## Completed Projects Record

Project Name	Duration	Project Site	Client	Objective	Treatment Capacity / Volume of Treated Soil
Execution Test of Soft Soil Solidification Method	98.8~98.10	Aichi	Transport Ministry	To acquire knowledge of treated soil characteristics	300m <sup>3</sup> /h / 5,000m <sup>3</sup>
Chugoku Electric Power Co. Onoda Power Plant Dredging Work for Anchorage in front of Coal Unloading Pier	99.7~	Yamaguchi	Chugoku Electric Power Company	Solidification and Reclamation	200m <sup>3</sup> /h / 10,000m <sup>3</sup>
Nagoya Port Third Port Island, Turbidity Preventive Work (Phase 3)	00.3~00.7	Aichi	Transport Ministry	Construction of Division Embankment	1,000m <sup>3</sup> /h / 87,580m <sup>3</sup>