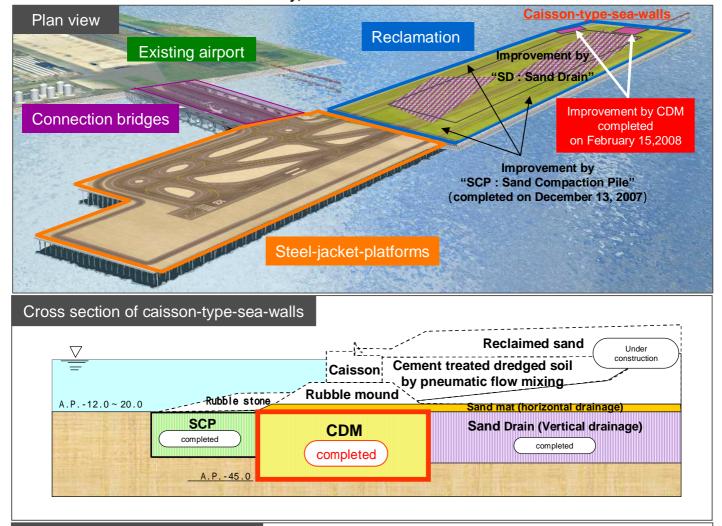
D-runway News Letter (No.1)



CDM (Cement Deep Mixing Method) was applied to seabed soil improvement in the "HANEDA D-runway construction project".

- The new D-runway of the HANEDA airport, under construction, is composed of three structural types, which are (1) reclaimed land, (2) steel-jacket-platforms of piers and (3) connection bridges for taxiways.
- CDM method was applied to seabed soil improvement of the foundation of caisson-type-sea-walls.
- In the end of September 2007, soil improvement works by CDM were started, and after 5 months of 24-hours improvement works, on February 15, 2008, CDM works were completed safely and surely.
- A total of 4,524 cement-treated-piles, which lead to a improved soil volume of about 620,000m³, were constructed in seabed soil of marine clay, down to A.P.-45m from sea bottom.



CDM working vessels

The 4 CDM working vessels (photos below) really did a good job, everyday and night for 5 months!



CDM method, often used in Japan, is one of seabed soil improvement methods, especially for soft clay. It improves soft seabed marine clay as a rigid foundation by mixing soils with cement directly. In the Drunway project, CDM is applied to the foundation of caisson-type-sea-walls to avoid residual settlements.