

LNG(Liguedfied Natural Gas)

가 가
 가 -162
 가 LNG
 1/600
 , -162
 가 가
 . LNG
 가
 가



* 9% Ni membrane type ,
 - 9% Ni : 1960 CB & I
 가 9% Ni
 140,000 m3
 가 . ASTM A553 Type 1

ASTM
 9% Ni Vapor pressure
 (self-supporting type)
 LNG 가
 prestressed concrete

-Membrane : 1.2 mm 2 mm stainless
 , 가
 foamgla block
 tightness ()
 . stainless 가
 가
 foamglas 가
 prestressed concrete

2. LNG : LNG 9%
 2 , 1m
 . ,
 Isolation Pad .

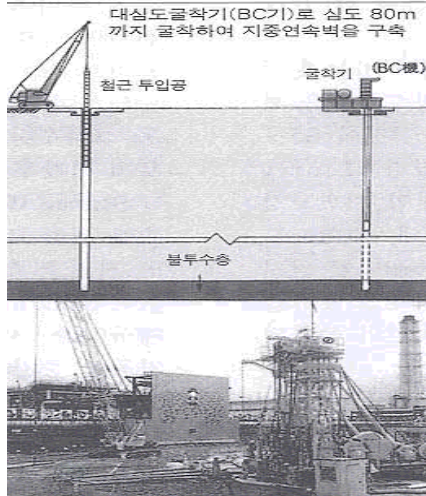
Isolation Pad



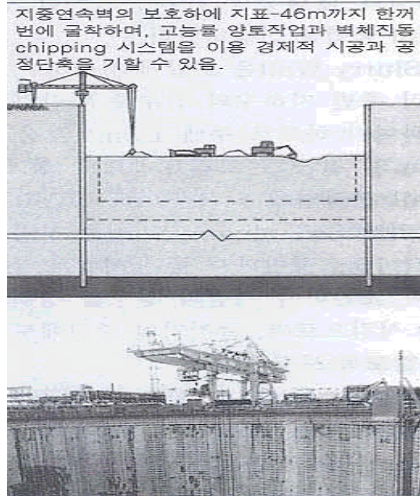
LNG Heating System
 Heating System Slurry Wall 2m 61

Side Heating Pipe

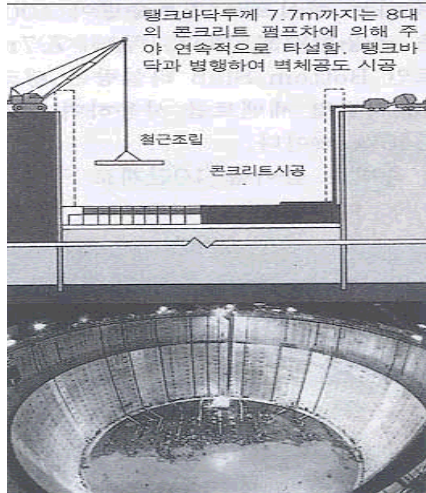
대심도 지중연속벽 시공



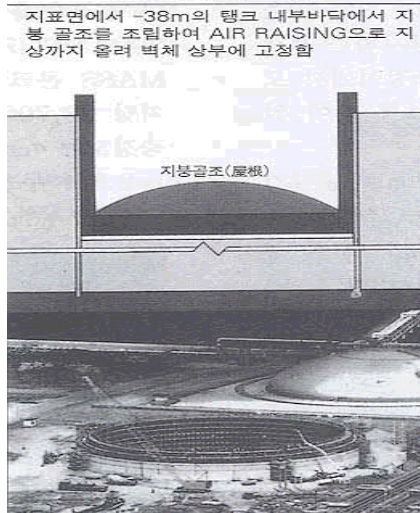
내부굴착 시공



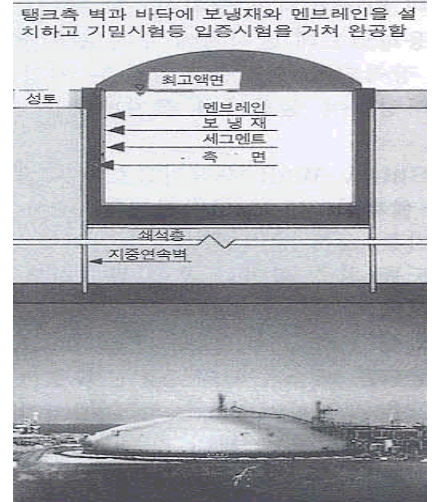
탱크바닥 및 벽체시공



탱크지붕 시공



완 공



LNG TANK (9% Ni)

1.

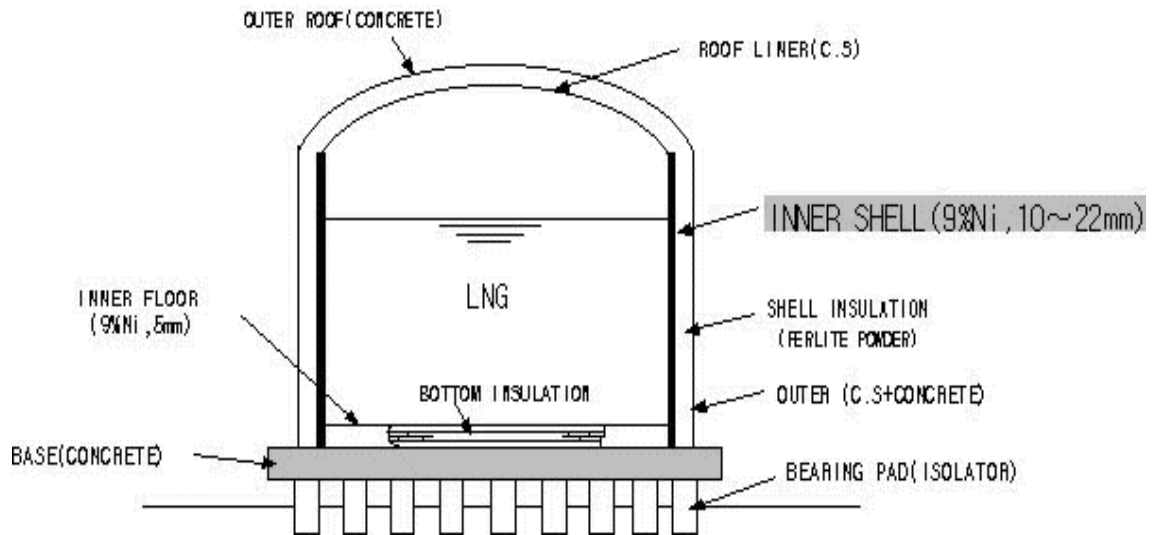
LNG(가) 가
STS ,

9%Ni .

* (9) , (3) , (2) LNG ('97~2005)

1 9%Ni 1500

LNG Tank



2.

ASTM A533-1 0.06%C-0.7%Mn-9%Ni 40ppm P LNG Tank

3.

(C,Mn, Ni), Tempered Martensite ()

(-196)

[P],[S] , Austenite , ()

(: 50Gauss)

Scale