



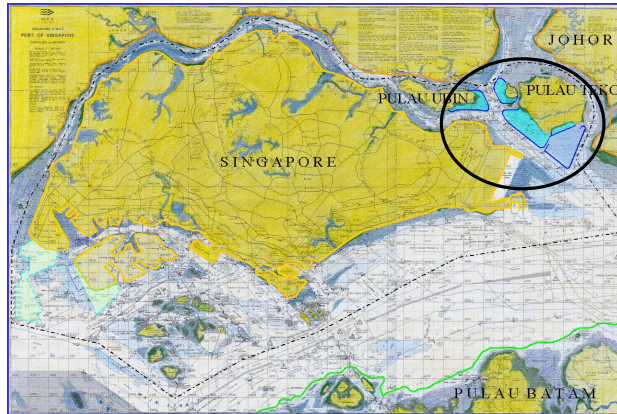
TOA CORPORATION

JOINT VENTURE



JAN DE NUL N.V.

## Reclamation at Pulau Ubin & Pulau Tekong (Part 1) Singapore



Client :



Housing & Development Board

**Main Contractor :** Toa Corporation-Jan De Nul N.V. Joint Venture

**Contract Period :** 5 Years (9<sup>th</sup> November 2000 to 8<sup>th</sup> November 2005)

**Project Cost :** S\$ 1.7 Billion

### Brief Description :

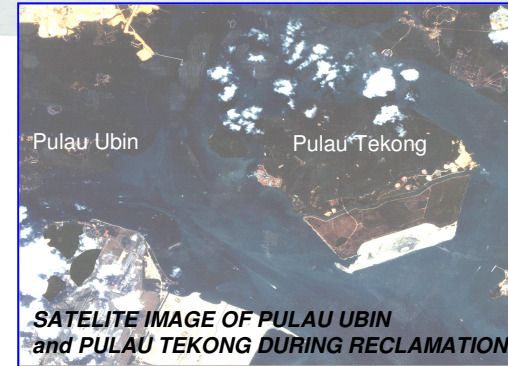
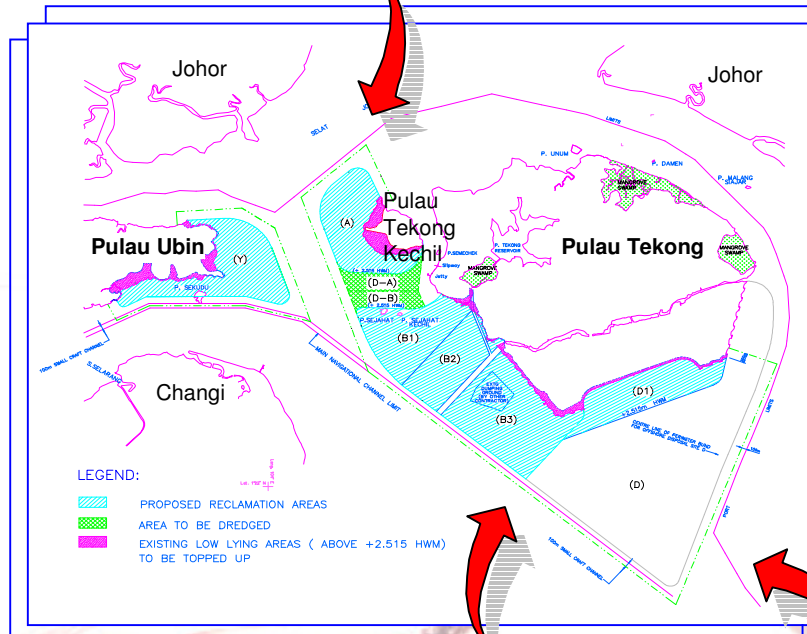
This Project is the first part of the Pulau Ubin and Pulau Tekong reclamation scheme. It involves the reclamation of approximately 1,480 ha. of land at Area Y, A,B & D1 off Pulau Ubin and Pulau Tekong. The scope of works include the stabilization of the seabed by dredging and sand filling along the reclamation profile, reclamation sand filling, construction of sloping stone revetment / sandy beaches, ground improvement works by means of vertical drains and compaction, extension of rivers and other drainage improvement works, and capital dredging.



Area A- at Pulau Tekong Kechil, June 2002

### Construction Activities & Estimated Quantities of Major Work Items:

Dredging Works	: 21,000,000 m <sup>3</sup>
Sand for Bund Construction	: 34,800,000 m <sup>3</sup>
Sand for Reclamation	: 164,000,000 m <sup>3</sup>
Sea Sand Reclamation area	: 1,480 ha
Revetment Rock Works	: 14,736 m
Pre-fabricated Vertical drains	: 13,690,000 m <sup>2</sup>
Perimeter Bund (offshore Disposal Site)	: 8,500 m
Sandy Beach Construction	: 2,909 m
Rock Blasting Works	: 22,000 m <sup>3</sup>



SATELITE IMAGE OF PULAU UBIN  
and PULAU TEKONG DURING RECLAMATION



Pre-reclamation view of  
Pulau Tekong, November 2000



Area D1, November 2001  
Southern part of Pulau Tekong



Area D1 (R2), May 2001  
Southern part of Pulau Tekong



Area D, July 2002  
Offshore Disposal Site