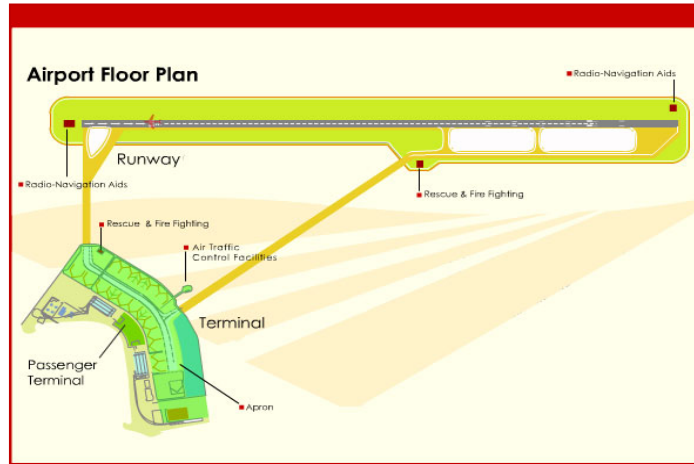


MACAO INTERNACIONAL AIRPORT (study and monitoring of the runway extension project)



Client / Employer Government of the Macao Special Administrative Region
Infrastructure Development Office

Service Study and monitoring of the Extension Project for the Macao International Airport by CONSULASIA, LDA.

Investment Approx. MOP 5,100 Million / 435,000,00000 Euros

Contract Price MOP 2,5000,000 / Approx. 215,000 Euros

Time Schedule January 2006 to July 2006

Description of the Project Extension of the runway track from 3,360 m to 3,720 m, facilitating the maneuver operations of "Wide Body" airplanes.

Length extension of the Safety Zone runway end (RESA), in accordance with the recent recommendations of the ICAO (International Civil Aviation Organization).



The reclaim area (1,26Km²) between the North and South Taxiway, which connect the platform for parking of aircraft to the artificial island where the runway is located. This area will be used for the new parking area platform, since the existing is running out of capacity.

Expansion of the artificial island, North +150 m and South +520 m.

Keeping the existing thresholds on runways 16 e 34 in the same position not modifying the plane approach procedures to these tracks. Relocate the runway ends and respective lights, increasing the distance of the airplane take-off area (TODA).

Repaving the runway through a layer of bituminous with 19 cm in order to correct differences in levels, joints and "cracks" in the existing pavement. Correction for appropriate values of the PCN track.

Reformulation and upgrade of the Airport Light System, relocation of the existing antennas of the ILS / Localizer and assembly of a new DVOR next to the runway 34/16.