

LEVERAGING eCADASTRE FOR NATIONAL ECONOMIC TRANSFORMATION

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The Economic Transformation Programme (ETP) was launched on 25th September 2010 as part of Malaysia's National Transformation Programme. Its goal is to elevate the country to developed-nation status by 2020, targeting GNI per capita of US\$15,000. The ETP's targets for 2020 will be achieved through the implementation of 12 National Key Economic Areas (NKEAs), representing economic sectors which account for significant contributions to GNI, namely Oil, Gas and Energy, Palm Oil and Rubber, Tourism, Education, Agriculture, Greater Kuala Lumpur and six others. Each NKEA comprises Entry Point Projects (EPPs), which explore new growth areas, and Business Opportunities (BOs), that enable the sectors to move further up the value chain. The Government Transformation Programme complements the economic reforms by focusing on improving the transparency, effectiveness, and efficiency of government. The Programme's efficacy in streamlining government and making it more responsive and relevant to the nation's demands is visible notably via electronic government. eCadastre is a web based cadastral survey system, developed by JUPEM under the Malaysian eGovernment flagship project, with the objective to expedite the cadastral survey delivery system. Its development involved reengineering of the relative and extremely rigid system into an online, survey accurate and robust cadastral survey system. By introducing eCadastre, naturally, a survey accurate and GIS-ready National Digital Cadastral Database (NDCDB) was developed and strengthened from time to time, comprising more than 7 million parcel lots which is the most accurate national spatial database to be used as base maps in most GIS systems in Malaysia. The creation of NDCDB has allowed satellite based technology to be incorporated in the cadastral survey process workflow. Besides that, NDCDB has been commonly used as vital information for decision making in high impact project within the 12th NKEA sectors namely the Mass Rapid Transit (MRT), Double Track Railway, Iskandar Region development and PRIMA Housing Schemes. JUPEM believe the eCadastre implementation in the long run will benefit the nation's economy and support sustainable growth and development for the country. This presentation explains how eCadastre has helped boost the Malaysian economic programme as well as its role in aiding Land Administrator and Project Managers in land based project management.