

THE INTELLIGENT TRANSPORT SYSTEMS IN BEIJING OLYMPIC GAMES

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The rapid development of the Chinese economy over the past thirty years has resulted in the increased demand for passenger and freight transport considerably. Many cities are experiencing very bad traffic congestion, which results in significant delays, increased energy consumption and air pollution, and though impacts on local economic development. China has begun to seek more sustainable development of transport since later of 1990s. Intelligent transport systems (ITS) have been introduced and a series of research has been conducted to take advantage of ITS applications in traffic management and control with significant social, economic and environmental benefits. This presentation reviews the major developments of ITS in China, including ITS policies, new technologies, major ITS projects and relevant activities. The main focus are on the new technologies and main programs of ITS deployed for the transport of 2008 Beijing Olympic Games, and those in the key ITS showcase cities, e.g. Hangzhou, etc. Finally, the presentation discusses China's future ITS plans.