

Cadastral Business Expansion Using Indoor Spatial Information.

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SUMMARY

Spatial information industry is growing at 11% per year global market in the \$ 81.2 billion of 2010, is expected to be extended to 2015, \$ 137 billion. And recent trends in the spatial information industry is facing into the indoor space. The report of the US Environmental Protection Agency on average about 80 percent of the total life and a high place in the indoor space. This means that the economy, social, and cultural activities which has been limited in the outdoor, increasingly moving into the indoor space. In addition, the rapid adoption of smart devices is to knock down the walls of the outdoor space and indoor space by the support of these activities. The Ministry of Land, Infrastructure and Transport announced to build a database of information for indoor spatial information plans to promote the safety and welfare of the people from 2013. To build an indoor spatial information is future high-value business. So the ministry of cadastre creates indoor spatial information books that can systematically deal with interior space and the attendant cadastral survey work carried out surveys in order to maintain the indoor spatial information management. The country of the land and the interior space through indoor spatial informatin books and indoor spatial information survey can be represented by the absolute coordinate system and it is possible to provide various services based on location to the user by the convergence of the various LBS system. The purpose of this study is to describe the core technology for building survey indoor spatial information, operating a system of indoor space and indoor space information books that is the foundation for building an indoor space information.