Urban Planning in today’s dynamic operating environment requires a holistic understanding of the city as an ecosystem to achieve a balance between economic, social and environmental objectives.

Developed in collaboration with the Urban Redevelopment Authority (URA) of Singapore, the CitySense Urban Planner is an intelligent planning tool that addresses urban planners’ needs. Designed by URA and used by Singapore’s city planners and government agencies, these tried and tested tools have guided Singapore’s successful development, enabling the city to be consistently ranked as one of the most liveable cities in Asia.

Leveraging the power of geo-analytics and proven urban planning methodologies, the CitySense Urban Planner enables planners to shape sustainable cities that deliver a better quality of life, offer plentiful growth opportunities and jobs within proximity for the people, and safeguard a clean and green landscape.

CitySense Urban Planner offers a collaborative environment for integrated planning and is accessible on any platforms via browser. The system facilitates and tracks the interactions between different stakeholders that are working together on a single project, eliminating inefficiencies. Unlike traditional urban planning software, Citysense Urban Planner is able to leverage existing planning data to generate insights from land use studies to inform future planning.

Data Visualisation Mapping
Highlights

Empowers planners with rich planning data for quick visualisation and analysis
- Shared access with multiple stakeholders and a whole variety of data layers
- Easy access to planning and operations analytics
- Traffic and Population data with various aggregations at your fingertips
- Demographic breakdown with buffer tool
- Infrastructure age and conditions

Tracks and monitors the implementation progress of development and infrastructure
- Improves awareness of project status & interdependencies
- Simplifies tracking and consultation process
- Understand Capacity and Utilisation of infrastructure

Bridges planners across stakeholders with a common platform to study land use scenarios
- Combines rich dataset and flexible analytics module to generate deeper insights to inform planning decision
- Supports what-if analyses and searches for suitable sites for upcoming proposals
- Allows different stakeholders to collaborate to create, test, iterate and optimise land use distribution scenarios

Solving Urban Challenges

Promote vibrancy with jobs closer from home
Through intelligent analysis of workers concentration and their home-work pattern, decentralization strategies can be deployed to create more job opportunities with shorter home-work commute.

Enhance liveability with improved access to amenities
Distribution of population and their level of spatial access to amenities and services can be analysed and used to inform future plans for new investment needs.

Alleviate traffic congestion
Proactively plan for sufficient and timely implementation of public transport and road infrastructure including rail, metro and roads to support future demands based on current usage patterns and demographic modelling.

Applications
- Land-use Staging Plans
- Transport Modelling
- Demographic Studies
- Jobs Provision Ratio
- Utilities and Amenities
- Compose and Test Plan Scenarios
- Multi-party Integrated Planning
- Infrastructure Renewal
- Coastal and Marine Uses
- Public Safety and Security

Awards and Accolades
- ESRI Special Achievement in GIS (SAG) 2013
- Geospatial World Awards Finalist
- Public Service Awards 2015 - Best Practice Award (Inter-agency Collaboration)
- ESRI Special Achievement in GIS (SAG) Award 2017

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