

OCTANS™ council management system

OCTANS™ OVERVIEW

OCTANS™ is a series of products that supports operations in local government organizations such as city, municipal & district councils in managing land planning and development.

The solution caters to the complex processes and interaction between developers, their professional advisers and the authorities, such as physical planning, land development applications, property valuation and provision of essential city services, e.g. car parking, street lighting, refuse disposal and parks management.

Using the collaborative framework product PAVO™ as an extension, information/documents can be cross-shared securely, quickly and transparently with external parties. Additionally, these info-transactions can be directly linked to pre-defined processes to reap maximum benefits.

SYSTEM COMPONENTS

OCTANS™ comprises of different software modules to handle different domain-related processes. Some of the modules are:

Development Planning - A domain-specific Geographical Information System, that allows integration of both spatial and textual data and used to generate Master Plans, Urban Design Guides and necessary planning documentation. Key features



include:

- Over 50 different templates for Master Planning activities, to provide quick setup
- Role-level security to prevent unauthorized access to sensitive information
- Centralized up-to-date repository for all planning related data as compared to the manual system

Planning Permission - Supports business processes such as approval of various development applications such as

erection of new buildings, change of land use, alteration and addition to buildings. Key features include:

- Personalized outstanding task list
- Inbuilt functionalities such as submission checklist, payment, meetings and written direction
- Facilities to retrieve current and historical data to support decision making
- Support for internal and external consultation

Land Management - Covers all aspects of Land Administration. Key features include:

- Registration of Land Titles, Sub-Division and Amalgamation, Mortgages and Charges
- Checklist to filter submissions with inadequate info
- Fee computation and collection
- Analysis tools to support decision-making
- A rules-based engine that auto-triggers appropriate responses to different pre-defined situation

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Building Control - Manage the complete process from examining and approving building plans up to the monitoring of construction process, according to the relevant building control legislation. Key features include:

- Inbuilt functionalities such as re-submission, building evaluation, meetings and written direction
- Automated reminders generation with audit trail based on pre-defined deadlines
- Access control managed across project and organization hierarchy
- Building information can be associated to geo-spatial database

Property Valuation - Automated business process of valuing land and buildings, recording transactions, and multi-method mass valuation of properties. Key features include:

- Integrated repository for valuation and land sales data that can be used for future comparables
- Multiple valuation methods available - comparison, cost, investment, profit & residual
- Automated and standardized ratable value computations
- Inbuilt functionalities such as property information

visualization, management information reporting and appeal management

- Electronic notifications and info-checking via the Internet



OCTANS™ BENEFITS

- Significant service level improvement with reduced processing time as well as providing traditional counter-service over the internet
- Increased revenue collection through greater staff productivity and enforcement-related reports
- Common platform - a centralized database, making info-sharing amongst users seamless on one universal desktop

- Standardized policies to manage consistency in practice
- Quick-to-deploy strategy - as a ready product OCTANS™ has a distinct advantage over other alternatives
- Informed decisions supported by a "single-view" of all systems that generates integrated, accurate and up-to-date management reports
- Integrateability - Application Programming Interfaces (APIs) based on Open Protocol Standards such as XML, EJB and Java API ensures that integration with different business applications is simplified

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