Powering Location Intelligence

Monitor, Evaluate & Act using GIS Data
Agenda

• IMGS
  • Overview

• M.App Enterprise
  • Platform Overview

• Use Cases
  • Dublin City Council
  • Austrian Government

• Summary
  • Q&A
M.App Enterprise
Desktop, Web, Mobile, Dashboards & Geoprocessing
Modern Approach

M.App Enterprise
The Building Blocks
M.App Enterprise
Dublin City Council

- Ireland’s largest Local Authority
- Over 5000 employees
- Serving over a million citizens
- Providing
  - Business
  - Community
  - Culture & Economic
  - Emergency
  - Environmental
  - Housing
  - Planning
  - Roads & Transportation Services
Waste Management Services

• Waste Management provides street cleaning services to a combined 1238Km of road within the DCC administrative area.

• To effectively manage this service, the entire area has been divided into 6, with a local management team operating in each.

• To ensure a consistent service to each area, cleaning standards have been established and communicated to all staff.

• Through Street Grading, we are able to identify levels achieved in each area and improve operations by feeding back results to local management teams.
Grade – A
Complete absence of litter
Street Cleaning Standards Booklet

Grade – B

Small items of litter
Street Cleaning Standards Booklet

Grade – C

Accumulation of litter
Street Cleaning Standards Booklet

Grade – D

Heavily littered with significant accumulations
## Street Cleaning Standards - Waste Management

<table>
<thead>
<tr>
<th>Street Name:</th>
<th>Date:</th>
<th>Time:</th>
<th>Assessed by:</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Grade</strong></td>
<td><strong>A</strong></td>
<td><strong>B</strong></td>
<td><strong>C</strong></td>
<td><strong>D</strong></td>
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<tr>
<td>Litter on road</td>
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<tr>
<td>Litter on pavement</td>
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<tr>
<td>Litter bins condition</td>
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<tr>
<td>Presence of dog fouling</td>
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<tr>
<td>Illegal Dumping</td>
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<tr>
<td><strong>Overall grade and assessment</strong></td>
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</table>
Our M.App Enterprise Apps

Usage statistics cannot be synchronized, because the service is not running or lost connectivity.
M.App Enterprise Mobile
Use Cases

- Traffic Accidents
  - Collision Data
- Public Lighting
  - Faults
- Road Condition
  - RCI & SCRIM
Accident Data

DISPLAYING 18,368 OF 26,058 ACCIDENTS
DISPLAYING 246 OF 59,482 CASUALTIES

Casualty Data
DISPLAYING 1,262 OF 1,262 PL DEFECTS

Lighting Defects
Feature Analyser

Other Examples
DISPLAYING 78,466 OF 78,466 HOUSING REPAIRS

REPAIR BY CATEGORY

- Critical/Structural
  - No Arrangement
- Emergency After Hours
- No/Unable
- Delays
- Low Priority
- Low Priority - Arrangement

REPAIR BY WORK TYPE

- Alarms - Smoke Detectors
- Alarms - Break-In
- Security
- Security Camera
- Pest Control
- Minor Repairs
- General Maintenance
- Paint
- Fixing
- Cleaning
- Refurbishing
- Renovation
- Replacement
- Roofing
- Staircase
- Scaffolding
- Tiling
- Transport, Collecting & Delivering
- Waiting
- Other

AVG TIME TO ALLOCATE (DAY)

AVG TIME TO COMPLETE (DAY)

AVG TIME TAKEN (DAY)

COMMITTEE AREA

- Central
- North Central
- North West
- South Central
- South East

AVG TIME TAKEN BY CATEGORY

- 10.8
- Critical/Structural
- Critical/Structural - No Arrangement
- Emergency After Hours
- Minor Repairs
- General Maintenance
- Paint
- Fixing
- Cleaning
- Refurbishing
- Renovation
- Replacement
- Roofing
- Staircase
- Scaffolding
- Tiling
- Transport, Collecting & Delivering
- Waiting
- Other

AVG TIME TAKEN BY DWELLING

- Apartment: 15.16
- Bungalow: 15.72
- Cottage: 19.5
- Flat: 14.94
- Group Housing: 1.3
- House: 11.72
- Unit: 11.27
- Senior Citizen: 12.71

The average time between registration and completion for the 78,466 selected repairs is: 13.1 days

STATISTIC

- 78,466 repairs
- Critical/Structural - No Arrangement
- Emergency After Hours
- No/Unable
- Delays
- Low Priority
- Low Priority - Arrangement

REPAIR BY DWELLING TYPE

- Apartment (9,925)
- Flat (8,415)
- House (6,875)
- Studio (6,875)
- Unit (6,875)
- Group Housing (155)

- Host (4,456)
- unit/tenant (2,434)
- Others (1,343)
DISPLAYING 322 OF 322 ELECTORAL DIVISIONS BASED ON CSO 2016 AIRO HOUSING STUDY

Population 2002-2016

Vacant Houses

THE APPLICATION DISPLAYS

CSO 2016 Small Areas, link to the data source available here.
Shapefile name: Electoral Divisions CSO Ungeneralised
Report name: CSO 2016 PRELIM RESULTS Housing by ED, source: AIRO
Demonstration Video
Agriculture in the European Union

- €111 bn Overall EU budget
- €56.5 bn Agriculture
- 158 Mil ha Eligible Farmland
- ø €259 Funding / Hectare
- 50.9% of the budget
Agriculture in the European Union

€ 1.20 bn Investments

69.23% of all investments

2.57 Mi ha Eligible Farmland

Technology with a Purpose
AI Operators in Geoprocessing
3D Visualization & Analytics
Desktop & Mobile Environments

Monitor

Evaluate

Act
Thank You

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