



Biosolids Management

An Integrated Compliance Management System

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Sludge Management

- 1.4 Billion Liters of Waste from 10m people
- 38 Hubs + Satellite Centres
- Recycling 700,000 tonnes
- Going to:
 - 4000 Farms
 - 40000 Fields
- 250 Contractors



Regulation & Compliance

- Treatment Process Record
- Sludge samples
- Field Samples
- Delivery tracking
- Risk Assessments
- Farmer Billing



Operational Benefits

- Proof of Compliance
- Replaced Mainframe System
- Efficiencies gained through integration
 - Soil Sample Database
 - Weighbridge
 - Digester (Temperature, Dry Solids, Flow Rate)
 - Storage Bays (Status & Levels)

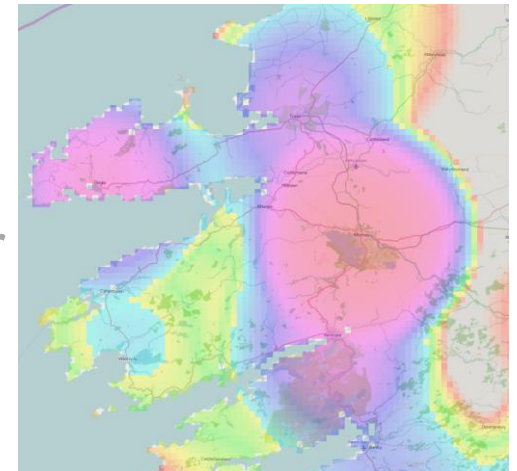
Development Roadmap

- Regulatory Drivers
 - Risk Assessments 24 hrs before spreading
 - Carbon Efficiency
 - Stricter sampling regime
 - Tighter Nutrient Management
 - Many more!
- Operational
 - Fewer Resources
 - Larger Area to cover



Development Roadmap

- Mobile
 - On-Site Entry of Risk Assessment
 - On-site access for Plant Operators
 - In-Vehicle Delivery instructions
 - Farmer Signature Capture on Delivery
- GIS
 - Pre-assess fields before sending inspector
 - Planning Sources & Destinations



Principles

- Capture Data at source
 - Reduces Error
 - Reduces Effort
- Access to Data where decisions are made
 - Better Decisions
 - Less Error
 - Faster

