



Liverpool
City Council

Retrofitting A City

Final phase of Alleyway programme

Harvey Mitchell

Head of Operations

Liverpool Street Scene Services Ltd.

“By failing to prepare you prepare to fail” Benjamin Franklin

- Learning from others – Existing sites/Industry
- Site selection
 - Vehicle Access
 - Existing utilities
 - Within easy reach
- Capacity/volume
- Long term Maintenance plan – fleet or street furniture
- Vehicle selection
- Training of staff



“Good planning without good working is nothing”

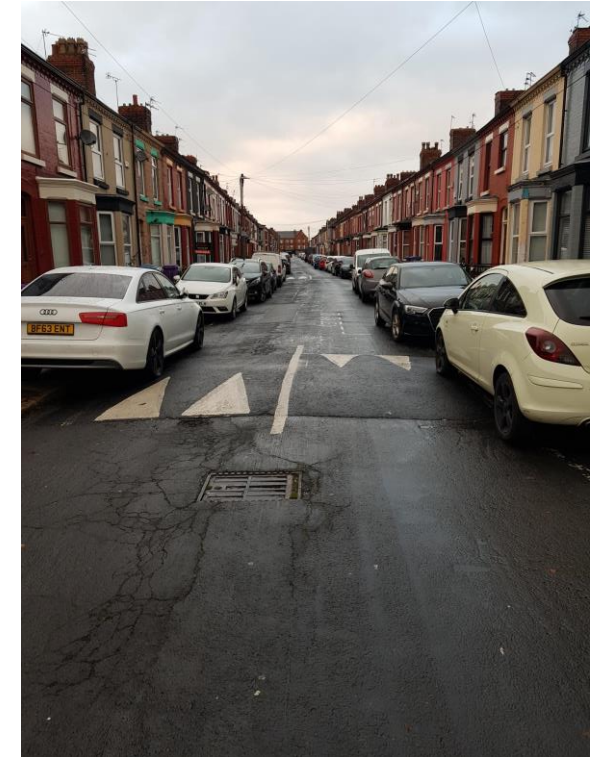
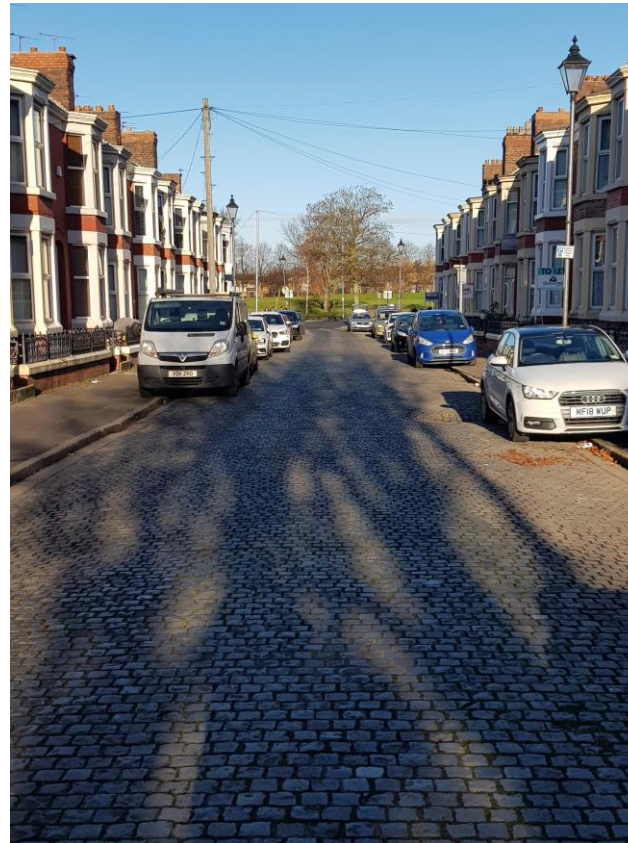
Dwight D Eisenhower

- Learning from others
- Multi purpose vehicle
- Aligned to existing fleet
- Underground Bins
- Crane lift bins
- Euro bins
- Training & practice!



“Obstacles are those frightful things you see when you take your eyes off your goal.” Henry Ford

- The challenge – prove the concept
- Victorian terraced properties
- Long narrow streets /Cobbles
- Resident parking
- Existing street furniture
- Utilities above and below
- Unknown Ground conditions



“Plan your work and work your plan” *Napoleon Hill*

- Criteria for site selection – 800 communal bin sites
- Impact of utilities both underground and overhead
- Available land and land ownership / future use.
- Collection vehicle access
- Number of existing temporary 1100lt. bins that could be replaced
- Communal bins embedded and residents had buy-in to new ways of waste presentation



"Alone we can do so little; together we can do so much." – *Helen Keller*

- Working with planning, highways, property assets
- Property assets – land ownership and responsibility
- Highways for advice on traffic orders
- Planning

PART 12, Development by local authorities, Class A, Permitted Development (PD) grants planning permission for the installation of refuse bins (which includes both street mounted and underground solutions) provided:

- The works are on council land or land maintained by them
- The overall volume is less than 200 cubic metres
- The height of any above ground structure is less than 4m in height

**BETTER
TOGETHER**

“Always plan ahead, it was raining when Noah built the ark” Richard Cushing

- Using the LCC framework
- Learning and understanding
- Feedback from Consultation
- Designing our specification
- Looking for a partnership



Minimum Quality specification:

- Fitted with a Kinshofer lifting hook
- Compliant for wheelchairs users
- Fitted with a drum roll top aperture
- Access control capability
- Fill sensor technology capability
- Foot pedal control capability

General Specification:

- Account Management & after sales support
- Support, maintenance and impress stock
- Training
- Delivery timescales
- Warranty period
- Arson statement
- Odour Noise, leachate
- Installation support, civils

'It's as simple as digging a hole, isn't it?'

Harvey Mitchell, Head of Operations, Liverpool Streetscene Services Limited

- Agreed spend ✓
 - Selected our sites (12) ✓
 - Selected the products ✓
 - Resource to collect/empty ✓
 - Permissions/approvals granted ✓
 - Next step to install
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- Engage those with the right skills and knowledge
 - Product providers - Contenur
 - Civils expertise – groundworks – excavation – spoil disposal
 - Radar survey's
 - Health & Safety
 - Traffic orders – road closures
 - Utility companies



Site set up – safety and security



Ground conditions



Unit installs



Finishings



The finish line.....



How will we measure success?

- Reviewing the data
 - Fill sensor
 - Access control
 - Fly tipping
 - Litter complaints
 - Resident feedback
 - Operational feedback
 - Operational efficiencies



“Success is not final, failure is not fatal: it is the courage to continue that counts” Winston Churchill