## **Delivering SUDS in Cardiff**



- 1. How to win over the Authority
- 2. How to win over Developers
- 3. How to win over Residents

# Ian Titherington Lead Engineer (Drainage) City of Cardiff Council

#### 1. How to win over the Authority



- ➤ What is SUDS?
- ➤ Why does Cardiff needs SUDS?
- ➤ But doesn't it cost more?
- ➤ A maintenance nightmare?
- ➤ Who will pay for it?
- ➤Why can't we just BI&BO?

#### 2. How to win over Developers



- ➤ Doesn't it cost more?
- ➤It's too hard to design
- ➤Who will own it?
- ➤ Who will maintain it?
- ➤It's not 'statutory', so why should we care?

#### 3. How to win over residents

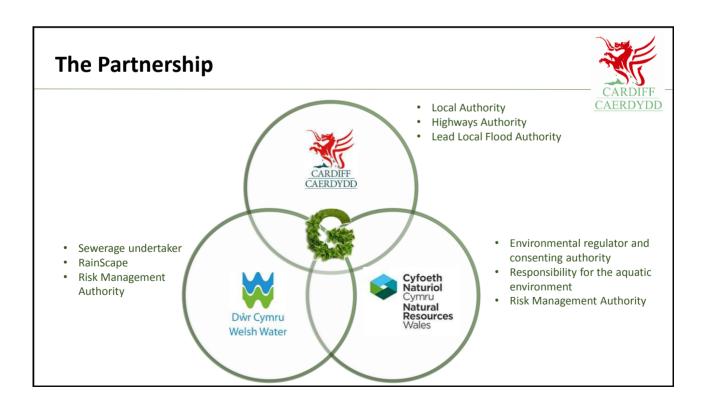


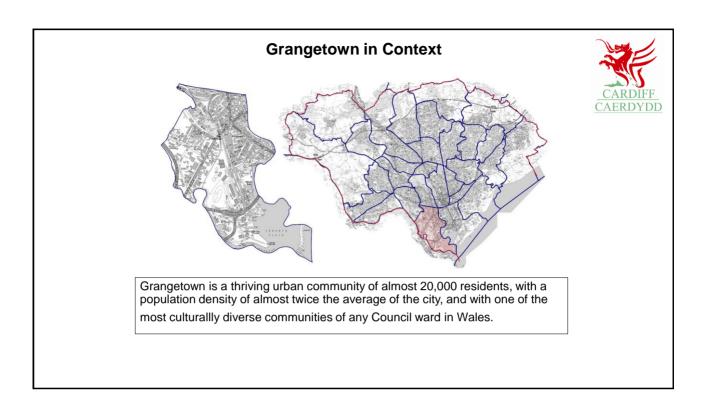
- ➤ What is SUDS?
- ➤ Is it sewage?
- ➤Will it flood?
- ➤ Who will look after it?
- ➤ Where will I park my cars?

#### A Case Study – 'Greener Grangetown'





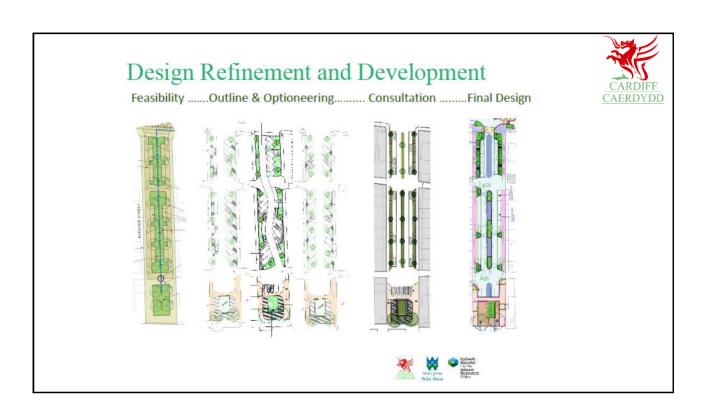


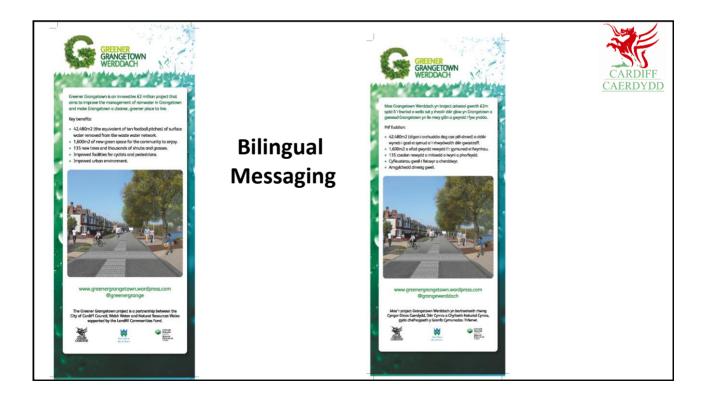


### <u>Un</u>sustainable Drainage







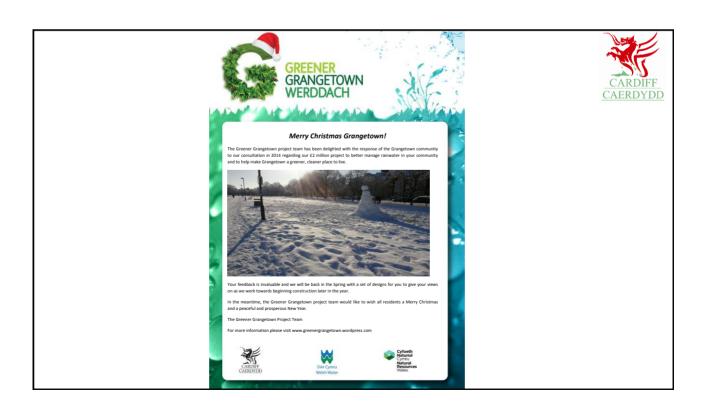


### How to communicate/consult/converse



- **≻**Newsletters
- **≻**Flyers
- ➤ Public meetings
- ➤ Street surgeries
- **≻**Website
- **≻**Twitter
- ➤ Local media
- > Local Councillors
- > AMs, MPs
- ➤ Religious groups

- ➤ Allotment society
- ➤ Local Historical society
- ➤ Cycling groups
- ➤ Sustrans
- ➤ Contractor Liaison Officer
- > Car window stickers
- > Schools
- ➤ Shops/businesses
- > ETC.....





#### Multiple benefits



- Removing 42,000m<sup>2</sup> of impermeable area (current phase)
- Realising annual monetised benefits
- Increase in green space and additional trees planted
- Improved air quality
- Habitat creation and increase in biodiversity
- Improved urban environment
- Working in conjunction with the EU funded WISDOM project
- A CEEQUAL assessed project

WISDOM aims at integrating and demonstrating innovative ICT systems and services for efficient water use and reuse in order to improve household, business and societal awareness and induce changes in consumers' behaviour and to enable innovative resource and demand management scheme and adaptive pricing incentives.

## **Delivering SUDS in Cardiff**



#### **Our Plans**

- ✓ A Developer's Guide to Sustainable Drainage✓ Local examples of new & retrofit SUDS
- To make the sustainable management of rainwater as a driver for a cleaner, greener Capital city