



Sustainable Distribution Centre

Smarter, Sustainable Logistics

By Gary Whittle

Funded by the
department for Transport.





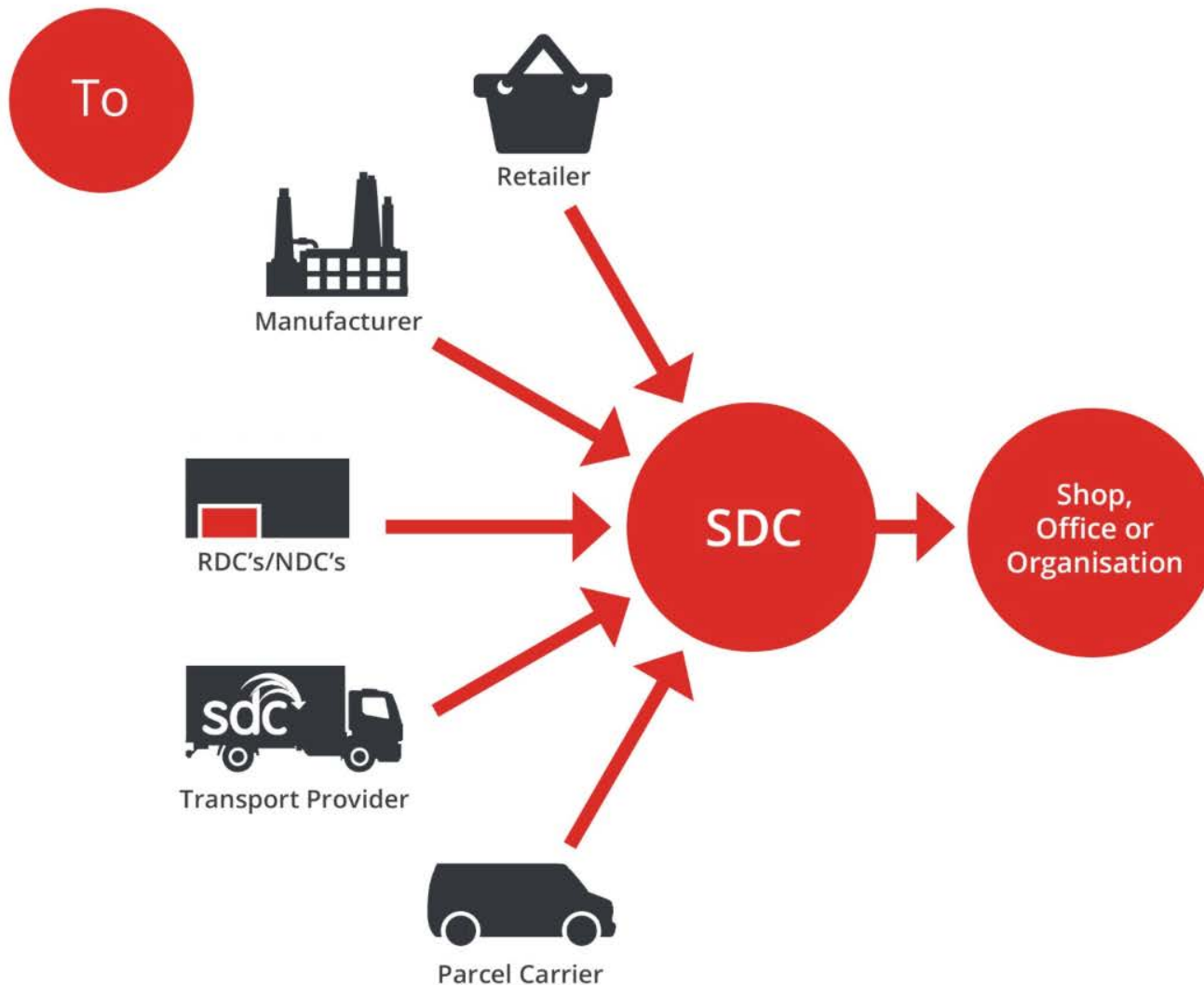
What is the Sustainable Distribution Centre?



- **Freight consolidation**
 - Inbound Shipments
 - Outbound Groupage
 - Scheduled Collections/Deliveries
 - Last Mile Logistics/ Pre Solent Logistics
- **Storage Requirements**
 - Short/Medium/Long Term
 - Rework/Out of Gauge/Inventory Management
 - Shared User/Multi Functional
- **Sustainability**
 - Reduction in HGV Movements/Congestion
 - Reduction in Pollution
 - Out of Hours Utilisation
 - Consolidated Deliveries

From







Potential User Benefits

- Reliable, controllable, direct scalable deliveries
- Increased sales/office space
- Increased ability to benefit from bulk buying
- Improved use of staff time/reduced staff cost
- Collection of returns and transfers + waste management
- Avoids congestion at delivery places
- Reduce delivery cost through cutting out last mile
- Fuel saving
- Opportunity for night time delivery
- Less delays through convenient times of travel
- Reduced wear and tear on vehicles and roads
- Less Congestion
- Less Pollution





Particular benefits for public sector?

- Time saved through framework agreement as procurement already taken place for any public body in a 20 mile radius of the SDC
- Opportunity for savings through joint procurement (bulk buying)
- Potential savings through variable rates (only pay for what you use on a weekly basis)
- Factory Gate Pricing becomes possible
- By reducing the need for council properties you can reduce Capital borrowing by selling properties or rent out premises for extra income
- Demonstrate that you are trying to improve economy and environment at the same time



SDC and HGVs in the City

- In 2007, it was predicted that the level of traffic on the Southampton road network would increase by up to 40% by 2026.
- The SDC is forecast to reduce the number of HGV travelling into Southampton City Centre by up to 75%, (potentially 6,900 vehicle movements per annum - excludes HGV travelling to the docks).
- It is hoped that the SDC will reduce Southampton's Carbon footprint by up to 75% and decrease the output of other harmful gases caused by HGV.
- The SDC will also reduce congestion in and around the city.



Has it worked elsewhere?

- **Bristol and Bath**
 - CO2 & Nox reduction of:
 - 126 tonnes of CO2
 - 6680kgs of Nox
- **Meadowhall Shopping Centre – Sheffield**
 - Increased POS productivity
- **London Heathrow**
 - 60% Reduction of deliveries to select stores
- **L.C.C.**
 - CO2 Reduced by 75%
 - 68% Fewer deliveries



The Southampton SDC

Challenges:

- Public sector lead times and existing contracts

1 year on the SDC is now being used by:

- Southampton City Council Corporate
- Records Management
- Southampton Hospital
- Solent GO
- New Forest District Council
- Solent University
- Southampton University



Next steps?

- **Continue to promote the benefits to the public sector across the region**
- **Replicate and promote a tailored Isle of Wight SDC service**



How can the Council and partners help?

- Spread the word
- Champion the SDC concept
- Use the SDC!



Thank you for your time

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