

Heat networks; local energy and the low carbon transition

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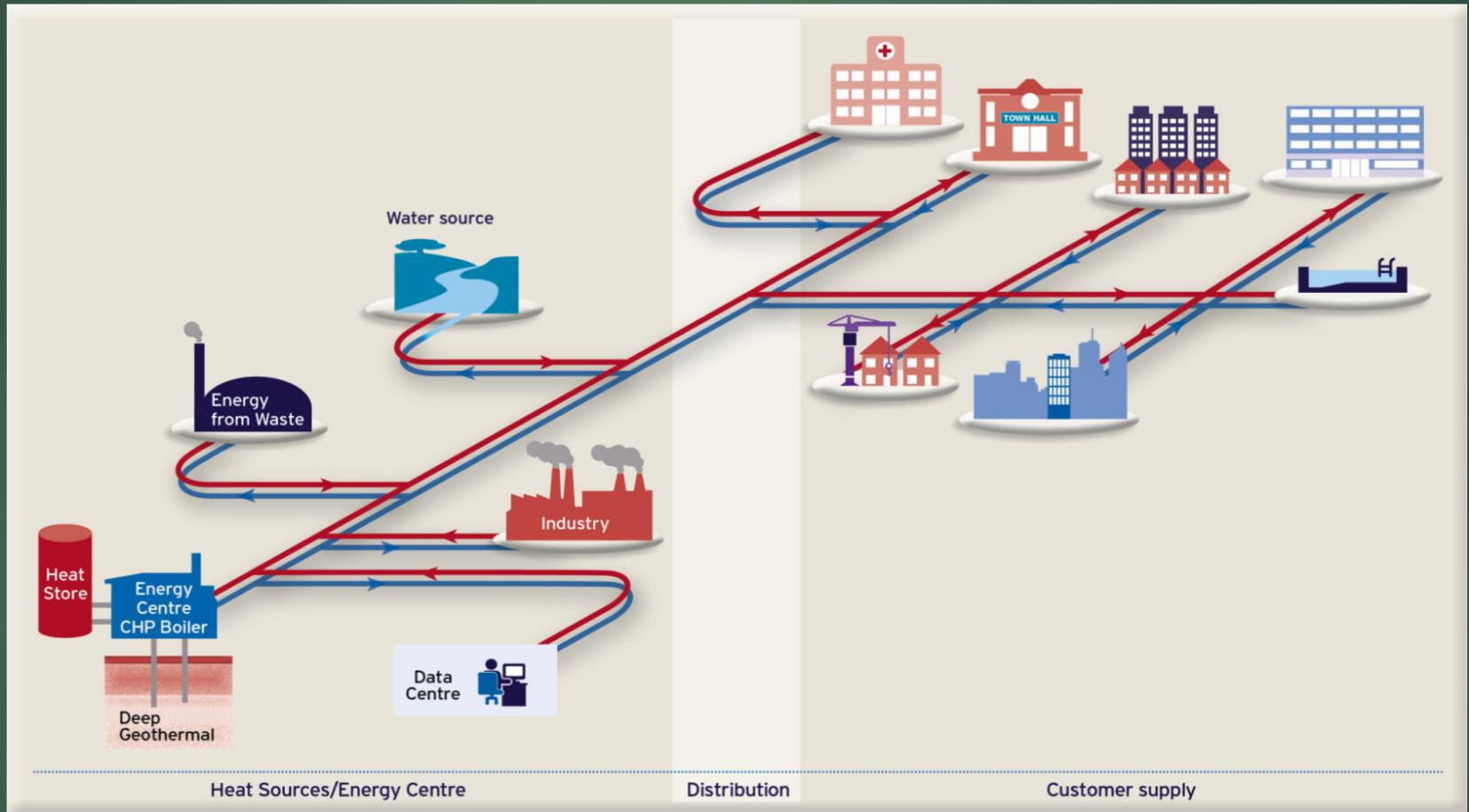
- ▶ Heat Network Economics
- ▶ Project Planning
- ▶ The Benefits
- ▶ Bidding for finance

Heat network economics

Heat Network Economic Drivers

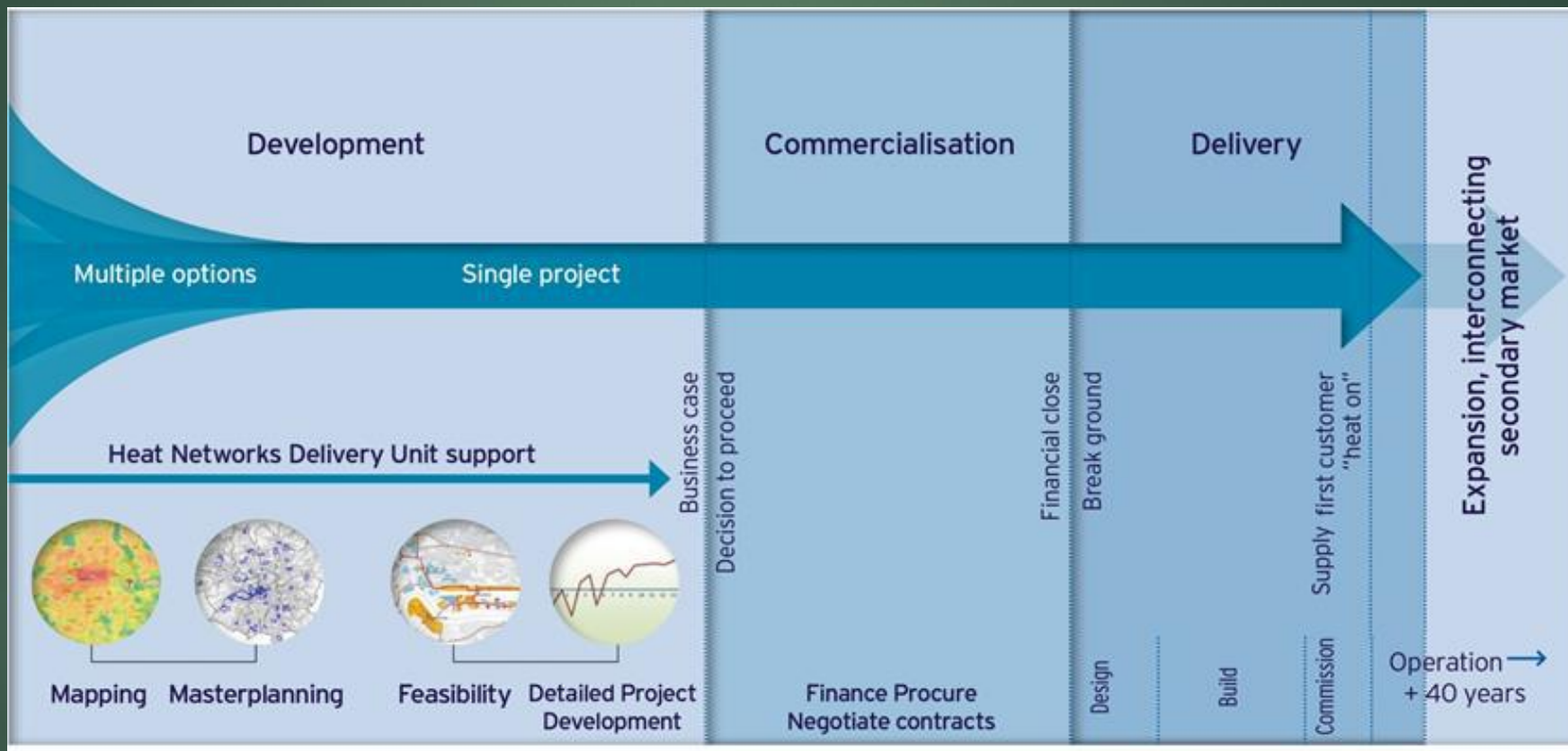
- ▶ Supply:
 - ▶ Heat mains
 - ▶ Energy Centres
 - ▶ Economies of scale
 - ▶ Network Losses
 - ▶ Waste Heat
- ▶ Demand:
 - ▶ Consumer Behaviour
 - ▶ Industrial Heat

Heat Network Economic Drivers



Project Planning

Planning Steps

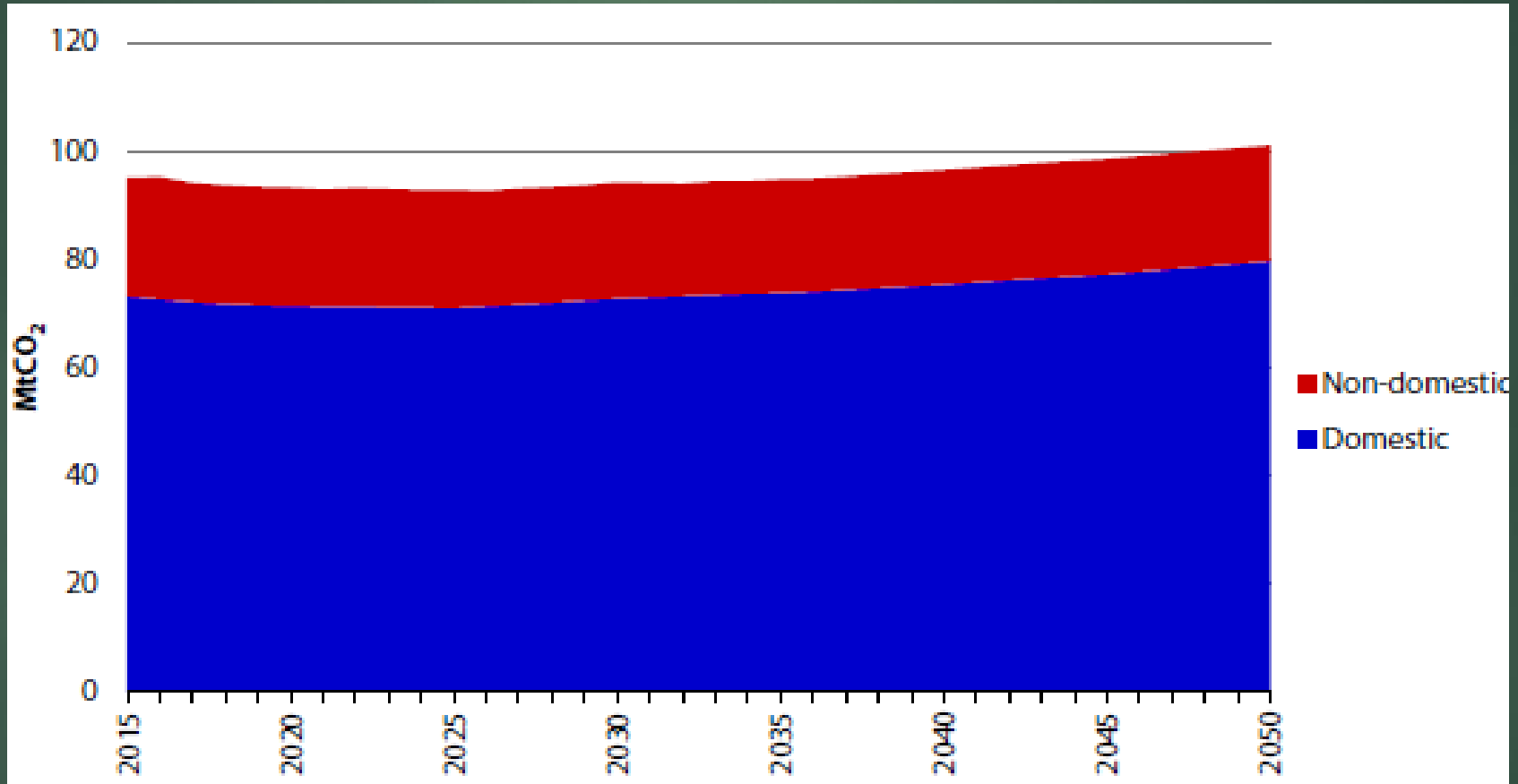


The Benefits

The Benefits

- ▶ fuel poverty
- ▶ carbon
- ▶ local energy
- ▶ revenue
- ▶ jobs

Buildings Business as Usual to 2050



Bidding for Finance

The Bid

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- ▶ Risk
- ▶ Control
- ▶ PPP
- ▶ Business Cases
- ▶ HNIP application

Conclusions

Conclusions

- ▶ Significant infrastructure investments
- ▶ Clear governance structures
- ▶ Private and public
- ▶ Thorough analysis