Maker Walk

Do you know what your city makes?

Mapping manufacturing

Maker Walk

How to undertake a Maker Walk

What value is there in a Maker Walk
how to assess Bristol’s manufacturing characteristics

Mapping
1. Who are the manufacturers
2. What are they making
3. How are they making

City Structure
1. What is the relevant city infrastructure
2. What relevant skills are in city
3. What are the city’s relevant characteristic

City Network
1. What are the local supply chains
2. What are the legacy supply chains

Global Network
1. What is the global reach of Bristol manufacturers
2. Where do they fit within value chain

Resources
1. What resources flow in/out of manufacturers
2. What are critical dependencies

@JudeSherry
@Maker_Walk
## how to manufacturing in Bristol

<table>
<thead>
<tr>
<th>Mapping</th>
<th>directories</th>
<th>surveys</th>
<th>case studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Who are the manufacturers</td>
<td></td>
<td>comprehension v’s timeliness</td>
<td></td>
</tr>
<tr>
<td>2. What are they making</td>
<td></td>
<td>imputation v’s reliability</td>
<td></td>
</tr>
<tr>
<td>3. How are they making</td>
<td></td>
<td>robust v’s contemporary</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>access v’s utility</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>granularity v’s completeness</td>
<td></td>
</tr>
</tbody>
</table>
what is manufacturing?

SIC2007 10-33
tobacco, *beverages, food,*
physical products (wood, metal, plastic, chemical),
pharmaceutical, furniture, textiles,
*printing, repair*
“Those who enjoy leisure can scarcely find a more interesting and instructive pursuit than the examination of the workshops of their own country, which contain within them a rich mine of knowledge, too generally neglected by the wealthier classes”

(Charles Babbage 1832)
Walking
2 people (3)
interviewer & data collector
photographer/social media

Equipment
- android device
- leaflet
- open data kits
- Interview script

Routing
- List of registered companies
- optima

Post Walk
- Data configuration
- Data analysis
- Social media

Re-planning route
Photos by
Lee Hutchinson
M Shed
@Maker_Walk

@JudeSherry
80 companies
66% response rate

- 51% makers
- 19% no answer
- 15% don’t make
- 8% refused
- 8% return

Registered manufacturers: 54 (65%)
Unregistered manufacturers: 29 (−35%), 26 (+31%)
<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 printer</td>
<td></td>
</tr>
<tr>
<td>7 woodwork &amp; furniture</td>
<td></td>
</tr>
<tr>
<td>5 metal construction products</td>
<td></td>
</tr>
<tr>
<td>7 windows</td>
<td></td>
</tr>
<tr>
<td>3 food &amp; beer</td>
<td></td>
</tr>
<tr>
<td>2 curtains</td>
<td></td>
</tr>
<tr>
<td>2 precision metal work</td>
<td></td>
</tr>
<tr>
<td>1 hackspace</td>
<td></td>
</tr>
<tr>
<td>1 hot air balloon</td>
<td></td>
</tr>
<tr>
<td>1 leather</td>
<td></td>
</tr>
<tr>
<td>1 jewelry</td>
<td></td>
</tr>
<tr>
<td>1 theatre sets</td>
<td></td>
</tr>
<tr>
<td>1 book binding</td>
<td></td>
</tr>
<tr>
<td>1 metal coatings</td>
<td></td>
</tr>
</tbody>
</table>
Benefits of making locally

- 33% Local customers
- 17% Longevity
- 10% Easy Distribution
- 9% Local Workforce
- 13% Local supplies
- 6% Central location
- 3% Security
- 1% Local Materials
- 8% Live Locally

Out of the 41 companies that manufacture on site

@JudeSherry

@Maker_Walk
Out of the 41 companies that manufacture on site:

- Products: 67%
- Raw Materials: 4%
- Tools: 6%
- Components: 23%

- Custom: 60%
- Batch: 13%
- Mass: 7%
- Repair: 11%
- Craft: 9%
policy makers

circular economy makers
sharing economy makers

urban living makers

economic makers

community makers

@JudeSherry

@Maker_Walk