WEST MIDLANDS
COMBINED AUTHORITY

GROWING THE UK ECONOMY
THROUGH A MIDLANDS ENGINE

BIRMINGHAM • COVENTRY • DUDLEY • SANDWELL • SOLIHULL • WALSALL • WOLVERHAMPTON
WMCA Productivity & Skills Commission
Supporting Evidence Pack November 2016

✔ Slide 3 – WMCA Productivity Problem Statement
✔ Slide 4 – Output Gap Analysis
✔ Slide 5 onwards – Sector Scorecards covering 7 Transformational Sectors:
  ➢ Advanced manufacturing and engineering;
  ➢ Business, professional and financial services;
  ➢ Construction (building technologies);
  ➢ Digital and creative;
  ➢ Lifesciences and health care;
  ➢ Logistics and transport technologies;
  ➢ Low carbon and environmental technologies.

✔ - The Sector Scorecards include:
  • An analysis of the sectors and sub sectors in terms of GVA, jobs and Businesses – current and ambitions levels
  • Identification of the top 50 companies in each sector and an high/medium/low value added impact analysis
  • Foreign ownership analysis
P1 – On all Measures of Productivity Performance of the WMCA is below the National Average

**Output Gap**

P1.1 There is a £14bn Output Gap - GVA per head in the WMCA is currently at £19,423 – which is nearly £3,500 less for each of the 4 million WMCA residents leading to a £14bn output gap compared to the national average.

**Sectoral Variation**

<table>
<thead>
<tr>
<th>GVA (£m, 2013)</th>
<th>Jobs (2013)</th>
<th>GVA per employee (2013)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WMCA Total %</strong></td>
<td><strong>WMCA Total %</strong></td>
<td><strong>WMCA</strong></td>
</tr>
<tr>
<td>Total</td>
<td>77,727</td>
<td>1,899,264</td>
</tr>
<tr>
<td>Business, Professional and Financial Services</td>
<td>19,731</td>
<td>25.4%</td>
</tr>
<tr>
<td>Retail</td>
<td>11,078</td>
<td>14.3%</td>
</tr>
<tr>
<td>Public Sector inc Education</td>
<td>10,802</td>
<td>13.9%</td>
</tr>
<tr>
<td>Advanced Manufacturing and Engineering</td>
<td>8,572</td>
<td>11.0%</td>
</tr>
<tr>
<td>Logistics and Transport Technologies</td>
<td>7,266</td>
<td>9.3%</td>
</tr>
<tr>
<td>Life Sciences and Healthcare inc. NHS</td>
<td>6,122</td>
<td>7.9%</td>
</tr>
<tr>
<td>Construction (Building Technologies)</td>
<td>4,533</td>
<td>5.8%</td>
</tr>
<tr>
<td>Digital and Creative</td>
<td>3,930</td>
<td>5.1%</td>
</tr>
<tr>
<td>Cultural Economy inc Sports</td>
<td>3,143</td>
<td>4.0%</td>
</tr>
<tr>
<td>Low Carbon and Environmental Technologies</td>
<td>2,550</td>
<td>3.3%</td>
</tr>
</tbody>
</table>

Data provided by Black Country Economic Intelligence Unit utilising Oxford Economic Model Data September 2015, GVA figures are based on 2013 data. GVA is based on national accounts data and measures the value of goods and services produced in the area/sector.

**Public Sector Productivity - £10.8bn**

(Based on total GVA for Public Sector SIC codes). Further work to be undertaken on public sector productivity.
P2 - The Components of the Output Gap highlights issues across all the productivity drivers with insufficient skills, too few in employment and the quantum and quality of the indigenous WMCA business base – its growth potential and FDI needs a focus.
Advanced Manufacturing & Engineering: UK 2013 GVA per employee - £49,267
34 of the above 50 companies (68%) have above average GVA per employee

GVA is calculated by adding together operating profit, employee costs, depreciation used to create it.

There are 2 measures of companies' efficiency of wealth creation: labour productivity defined as GVA per employee and the ratio of GVA to the costs of employment and depreciation cost.

The data presented is produced by conducting a search of FSA for the sector with registered offices in the area and selecting the largest companies based on the most recent filed accounts.

Foreign Owned Strategic Businesses:

28 companies in the top 50 (14 businesses) have foreign shareholders.

The largest foreign owned company in the top 50 is ranked 2nd - AAH Pharmaceuticals Ltd.

The largest number of global owners are in the USA (13 businesses).

Average GVA per employee for these businesses is £76,854.

5 businesses are listed on the London Stock Exchange.

SECTOR SCOREBOARD - Advanced Manufacturing & Engineering

GVA Growth

- GVA generated by the top 50 businesses has increased by 7.4% over 1yr period
- 31 of the top 50 businesses have increased GVA over a 1yr period
- 16 businesses have increased GVA by 20% and over

Foreign Ownership & Listing

- 29 companies in the top 50 are foreign owned
- The largest foreign owned company in the top 50 is ranked 2nd - AAH Pharmaceuticals Ltd.
- The largest number of global owners are in the USA (13 businesses)
- Average GVA per employee for these businesses is £76,854
- 5 businesses are listed on the London Stock Exchange

GVA Impact (£m)

- Over half of the top 50 businesses (8 businesses) generate under £50m GVA
- 6 businesses generate over £100m, accounting for 6% of total GVA generated by the top 50 businesses

Sub Sector Analysis

- 60% of GVA generated by the top 50 businesses is concentrated in 3 sub sectors: Food Producers (29.7%); Construction & Materials (20.9%) and Pharmaceuticals & Biotechnology (10.2%)
- The majority of high GVA businesses are Food Producers.
- This sub sector accounts for 30% of the total GVA generated by the top 50 businesses. BoparanHoldco is the highest ranking business.
- Construction & Materials has the highest proportion of businesses in the top 50 (14 businesses).
- Pharmaceuticals & Biotechnology has the highest GVA per employee.
- 12 of the 15 sub sectors have seen GVA growth over a one year period, with 6 sectors growing above 20%. Beverages saw the highest growth rate (38.5%). Aerospace & Defence experienced a negative growth rate of over 50%, however this sub sector has the second highest GVA/Costs ratio.
- 5 sectors have GVA/Costs ratio above the average for the top 50. The highest ratio is for Pharmaceuticals & Biotechnology (301.7%).
<table>
<thead>
<tr>
<th>Sub Sector</th>
<th>Support Services</th>
<th>Services</th>
<th>Real Estate &amp; Investment</th>
<th>Banking</th>
<th>Life Insurance &amp; Personal Goods</th>
<th>Financial Services</th>
<th>Other</th>
<th>Total No. of businesses</th>
<th>Total GVA (£m)</th>
<th>Total GVA per employee (£)</th>
<th>GVA/Cost (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Businesses shaded in above table have above average GVA per employee: 23 (46%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

There are 2 measures of companies' efficiency of wealth creation: labour productivity defined as GVA per employee and the ratio of GVA to costs. The latter is known as the GVA/Cost ratio.  

There are 3 groups of businesses: Low 0-£9,999/yr 22 (11%)  

Medium £10,000-£99,999/yr 55 (23%)  

High £100,000/yr+ 23 (19.4%)  

- Average GVA per employee for these businesses is £147,219  

- The largest foreign owned business is ranked 7th - Phoenix Life Assurance Limited  
- 6 businesses have increased GVA by 10% and over  
- 7 businesses have increased GVA by 5% and over  
- 15 businesses have increased GVA by 3% and over  
- 23 businesses have increased GVA by 1% and over  
- 54% of the top 50 businesses (28 businesses) generate over £50m GVA  
- 12 businesses generate almost 60% of total GVA of the top 50 businesses in this sector  

- It is common practice to classify the industries of companies on the basis of their turnover or sales. In this table, turnover is used. The turnover of companies is classified into three categories:  

- Low 0-£9,999/yr  

- Medium £10,000-£99,999/yr  

- High £100,000/yr+  

- The vast majority of companies fall into the low and medium groups. The top 50 businesses are a mix of the high and medium groups.  

- Most companies within each group are large in terms of GVA.  

- Almost 40% of GVA generated by the top 50 businesses is concentrated in 2 sub sectors: Support Services and Life Insurance.  

- Support Services has the highest number of businesses in the top 50 (21 businesses)  

- All sub sectors have seen GVA growth over a one-year period with the exception of Personal Goods
### SECTOR SCOREBOARD - Construction (Building Technologies)

#### Construction (Building Technologies): Top 50 Businesses by GVA

<table>
<thead>
<tr>
<th>Rank</th>
<th>Name</th>
<th>Sector</th>
<th>GVA (£m)</th>
<th>UK GVA (£m)</th>
<th>Foreign GVA (£m)</th>
<th>Total Employees</th>
<th>GVA per Employee (£m)</th>
<th>UK % change 1yr</th>
<th>Foreign % change 1yr</th>
<th>Foreign Ownership &amp; Listing</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Gobain Glass (United Kingdom)</td>
<td>Construction &amp; Materials</td>
<td>£4.5bn</td>
<td>£3.3bn</td>
<td>£1.2bn</td>
<td>67,000</td>
<td>£67,000</td>
<td>19.2%</td>
<td>8.9%</td>
<td>56.7%</td>
</tr>
<tr>
<td>2</td>
<td>Fortel Services Limited</td>
<td>Support Services</td>
<td>£3.7bn</td>
<td>£2.2bn</td>
<td>£1.5bn</td>
<td>25,981</td>
<td>£142,606</td>
<td>13.2%</td>
<td>8.9%</td>
<td>52.1%</td>
</tr>
<tr>
<td>3</td>
<td>Regal Mechanical &amp; Electrical Services</td>
<td>Construction &amp; Materials</td>
<td>£2.6bn</td>
<td>£2.1bn</td>
<td>£560m</td>
<td>8,376</td>
<td>£325,500</td>
<td>31.7%</td>
<td>16.4%</td>
<td>56.7%</td>
</tr>
<tr>
<td>4</td>
<td>Chasetown Civil Engineering Limited</td>
<td>Construction &amp; Materials</td>
<td>£2.4bn</td>
<td>£2.1bn</td>
<td>£300m</td>
<td>15,173</td>
<td>£159,900</td>
<td>16.4%</td>
<td>13.6%</td>
<td>56.7%</td>
</tr>
<tr>
<td>5</td>
<td>Tarmac Trading Limited</td>
<td>Construction &amp; Materials</td>
<td>£2.1bn</td>
<td>£1.5bn</td>
<td>£600m</td>
<td>10,323</td>
<td>£206,700</td>
<td>15.8%</td>
<td>22.1%</td>
<td>56.7%</td>
</tr>
<tr>
<td>6</td>
<td>Sapcote Group PLC</td>
<td>Construction &amp; Materials</td>
<td>£2.0bn</td>
<td>£1.5bn</td>
<td>£500m</td>
<td>5,975</td>
<td>£333,000</td>
<td>34.5%</td>
<td>36.1%</td>
<td>56.7%</td>
</tr>
<tr>
<td>7</td>
<td>Barhale PLC</td>
<td>Support Services</td>
<td>£1.8bn</td>
<td>£1.2bn</td>
<td>£600m</td>
<td>9,219</td>
<td>£200,000</td>
<td>22.1%</td>
<td>36.1%</td>
<td>56.7%</td>
</tr>
<tr>
<td>8</td>
<td>Lyndon Scaffolding PLC</td>
<td>Support Services</td>
<td>£1.6bn</td>
<td>£1.2bn</td>
<td>£400m</td>
<td>3,175</td>
<td>£511,000</td>
<td>16.4%</td>
<td>22.1%</td>
<td>56.7%</td>
</tr>
<tr>
<td>9</td>
<td>Carillion PLC</td>
<td>Construction &amp; Materials</td>
<td>£1.5bn</td>
<td>£1.2bn</td>
<td>£300m</td>
<td>11,699</td>
<td>£131,300</td>
<td>13.2%</td>
<td>16.4%</td>
<td>56.7%</td>
</tr>
<tr>
<td>10</td>
<td>Hydratight Limited</td>
<td>Support Services</td>
<td>£1.3bn</td>
<td>£1.1bn</td>
<td>£200m</td>
<td>3,623</td>
<td>£373,000</td>
<td>100.6%</td>
<td>16.4%</td>
<td>56.7%</td>
</tr>
<tr>
<td>11</td>
<td>M.V. Kelly Limited</td>
<td>Construction &amp; Materials</td>
<td>£1.3bn</td>
<td>£1.0bn</td>
<td>£300m</td>
<td>13,902</td>
<td>£97,300</td>
<td>7.1%</td>
<td>8.9%</td>
<td>56.7%</td>
</tr>
<tr>
<td>12</td>
<td>GRS (Roadstone) Limited</td>
<td>Construction &amp; Materials</td>
<td>£1.3bn</td>
<td>£1.1bn</td>
<td>£200m</td>
<td>3,789</td>
<td>£373,000</td>
<td>100.6%</td>
<td>16.4%</td>
<td>56.7%</td>
</tr>
<tr>
<td>13</td>
<td>Regal Mechanical &amp; Electrical Services</td>
<td>Construction &amp; Materials</td>
<td>£1.1bn</td>
<td>£0.9bn</td>
<td>£200m</td>
<td>5,320</td>
<td>£200,000</td>
<td>37.4%</td>
<td>22.1%</td>
<td>56.7%</td>
</tr>
<tr>
<td>14</td>
<td>Gobain Glass (United Kingdom)</td>
<td>Construction &amp; Materials</td>
<td>£1.1bn</td>
<td>£1.1bn</td>
<td>£0m</td>
<td>15,559</td>
<td>£97,300</td>
<td>100.6%</td>
<td>16.4%</td>
<td>56.7%</td>
</tr>
<tr>
<td>15</td>
<td>Hydratight Limited</td>
<td>Support Services</td>
<td>£1.0bn</td>
<td>£0.9bn</td>
<td>£100m</td>
<td>222,009</td>
<td>£1,001</td>
<td>0.8%</td>
<td>0.8%</td>
<td>56.7%</td>
</tr>
</tbody>
</table>

#### GVA Growth
- GVA generated by the top 50 businesses has increased by 20.8% over 1 year.
- 40 of the top 50 businesses have increased GVA over a 1 year period.
- 24 businesses have increased GVA by 20% and over.
- 34 businesses have increased GVA by 10% and over.

#### Foreign Ownership & Listing
- 8 businesses in the top 50 are of foreign ownership.
- The largest foreign owned business is ranked 2nd - Tarmac Trading Limited
- Average GVA per employee for these businesses is £61,343.
- 3 businesses are listed on the London Stock Exchange - Carillion PLC, Homeserve PLC and Andrew Sykes Group PLC

#### GVA Impact (£m)
- Almost 50% of the top 50 businesses (44 businesses) generate under £50m GVA
- 4 businesses generate over £100m, accounting for 70% of total GVA generated by the top 50 businesses

#### Sub Sector Analysis
- 68% of GVA generated by the top 50 businesses is concentrated in 1 sub sector Construction & Materials
- Construction & Materials has the highest number of businesses in the top 50 (35 businesses)
- Construction & Materials has the highest average GVA per employee (£138,720)
- All sub sectors have seen GVA growth over a one-year period. Mining and Construction & Materials experience growth above 20%.

#### SECTOR SCOREBOARD - Construction (Building Technologies) Location of Top Performing Businesses

**Top GVA Generating Businesses**

- Dublin: 280
- Paris: 280
- Belgium: 280
- Italy: 230
- Spain: 230
- France: 230
- Belgium: 230
- Ireland: 230
- Spain: 230
- France: 230
- Belgium: 230

**Most important sector:** Metals and fabricated products
### SECTOR SCOREBOARD - Digital and Creative

#### Digital & Creative: Top 50 Businesses by GVA

<table>
<thead>
<tr>
<th>No.</th>
<th>Company name</th>
<th>Industry Classification</th>
<th>Ownership</th>
<th>GVA (£m)</th>
<th>GVA/Companies GVA (£m)</th>
<th>Costs (£m)</th>
<th>Costs/Companies Costs (£m)</th>
<th>No. of employees</th>
<th>Expenses (£m)</th>
<th>Expenses/Companies (£m)</th>
<th>Employees Costs (£m)</th>
<th>Employees Costs/Companies (£m)</th>
<th>Total GVA (£m)</th>
<th>GVA Change (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Computer Services</td>
<td>Software</td>
<td>UK</td>
<td>11,707</td>
<td>13,127</td>
<td>1,326</td>
<td>303</td>
<td>2,814</td>
<td>714</td>
<td>13,127</td>
<td>2,814</td>
<td>11,707</td>
<td>80,226</td>
<td>3.0%</td>
</tr>
<tr>
<td>2.</td>
<td>Babcock Information</td>
<td>Computer Services</td>
<td>Foreign</td>
<td>10,416</td>
<td>10,515</td>
<td>76</td>
<td>1,703</td>
<td>5,742</td>
<td>1,212</td>
<td>10,416</td>
<td>5,742</td>
<td>10,416</td>
<td>80,226</td>
<td>0.5%</td>
</tr>
<tr>
<td>3.</td>
<td>Reynolds And Reynolds</td>
<td>Computer Services</td>
<td>UK</td>
<td>9,960</td>
<td>9,538</td>
<td>422</td>
<td>102</td>
<td>1,022</td>
<td>276</td>
<td>9,960</td>
<td>1,022</td>
<td>9,960</td>
<td>80,226</td>
<td>0.2%</td>
</tr>
<tr>
<td>4.</td>
<td>Certegy Card Services</td>
<td>Computer Services</td>
<td>Foreign</td>
<td>9,397</td>
<td>9,740</td>
<td>343</td>
<td>91</td>
<td>91</td>
<td>2,333</td>
<td>9,740</td>
<td>91</td>
<td>9,397</td>
<td>80,226</td>
<td>-1.6%</td>
</tr>
<tr>
<td>5.</td>
<td>Santa Barbara Technologies</td>
<td>Computer Services</td>
<td>Foreign</td>
<td>4,397</td>
<td>4,632</td>
<td>235</td>
<td>58</td>
<td>58</td>
<td>1,238</td>
<td>4,632</td>
<td>58</td>
<td>4,397</td>
<td>80,226</td>
<td>-1.6%</td>
</tr>
<tr>
<td>6.</td>
<td>OGL Computer Services Group</td>
<td>Computer Services</td>
<td>UK</td>
<td>2,847</td>
<td>3,153</td>
<td>296</td>
<td>74</td>
<td>74</td>
<td>1,274</td>
<td>3,153</td>
<td>74</td>
<td>2,847</td>
<td>80,226</td>
<td>-1.6%</td>
</tr>
<tr>
<td>7.</td>
<td>Computer Services</td>
<td>Computer Services</td>
<td>UK</td>
<td>2,300</td>
<td>2,600</td>
<td>300</td>
<td>75</td>
<td>75</td>
<td>1,225</td>
<td>2,600</td>
<td>75</td>
<td>2,300</td>
<td>80,226</td>
<td>-1.6%</td>
</tr>
<tr>
<td>8.</td>
<td>Computer Services</td>
<td>Computer Services</td>
<td>UK</td>
<td>2,022</td>
<td>2,250</td>
<td>228</td>
<td>57</td>
<td>57</td>
<td>1,191</td>
<td>2,250</td>
<td>57</td>
<td>2,022</td>
<td>80,226</td>
<td>-1.6%</td>
</tr>
<tr>
<td>9.</td>
<td>Computer Services</td>
<td>Computer Services</td>
<td>UK</td>
<td>1,881</td>
<td>2,100</td>
<td>219</td>
<td>54</td>
<td>54</td>
<td>1,126</td>
<td>2,100</td>
<td>54</td>
<td>1,881</td>
<td>80,226</td>
<td>-1.6%</td>
</tr>
<tr>
<td>10.</td>
<td>Computer Services</td>
<td>Computer Services</td>
<td>UK</td>
<td>1,681</td>
<td>1,850</td>
<td>181</td>
<td>45</td>
<td>45</td>
<td>1,036</td>
<td>1,850</td>
<td>45</td>
<td>1,681</td>
<td>80,226</td>
<td>-1.6%</td>
</tr>
</tbody>
</table>

#### GVA Growth
- GVA generated by the top 50 businesses has increased by 24% over 1yr period
- 35 of the top 50 businesses have increased GVA over a 1yr period
- 21 businesses have increased GVA by 20% and over
- 28 businesses have increased GVA by 20% and over

#### Foreign Ownership & Listing
- 13 companies in the top 50 are foreign owned
- The largest foreign owned company in the top 50 is 6th - Bureau Veritas UK Limited
- The largest number of global owners are in the USA (9 businesses)
- Average GVA per employee for these businesses is £89,445
- 5 businesses are listed on the London Stock Exchange

#### GVA Impact (Em)
- 90% of the top 50 businesses (45 businesses) generate under £50m GVA
- 2 businesses generate over £100m, accounting for 26% of total GVA generated by the top 50 businesses

#### Sub Sector Analysis
- 70% of GVA generated by the top 50 businesses is concentrated in 1 sub sector: Computer Services
- Computer Services has the highest number of businesses in the top 50 (26 businesses)
- Software has the highest average GVA per employee
- Support Services has the highest growth rate (57.7%)
<table>
<thead>
<tr>
<th>No.</th>
<th>Company Name</th>
<th>Industry Classification Benchmark</th>
<th>Sub Sector</th>
<th>Ownership</th>
<th>Revenue (Avail. yr)</th>
<th>GVA (Avail. yr)</th>
<th>Total Employee</th>
<th>Average GVA per employee</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Bio-Synthesis Limited</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>UK</td>
<td>18,250</td>
<td>2,780</td>
<td>8,035</td>
<td>223.7%</td>
</tr>
<tr>
<td>2</td>
<td>Johnson Matthey Limited</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>UK</td>
<td>11,734</td>
<td>1,759</td>
<td>6,163</td>
<td>99.2%</td>
</tr>
<tr>
<td>3</td>
<td>Lotus Health Sciences Limited</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>UK</td>
<td>12,357</td>
<td>1,903</td>
<td>4,607</td>
<td>94.3%</td>
</tr>
<tr>
<td>4</td>
<td>NPS Healthcare Limited</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>UK</td>
<td>11,933</td>
<td>1,797</td>
<td>4,874</td>
<td>93.0%</td>
</tr>
<tr>
<td>5</td>
<td>Nycomed Limited</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>USA</td>
<td>84,978</td>
<td>12,635</td>
<td>27,609</td>
<td>95.3%</td>
</tr>
<tr>
<td>6</td>
<td>Oxygen Limited</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>GCC</td>
<td>53,725</td>
<td>9,703</td>
<td>25,877</td>
<td>80.2%</td>
</tr>
<tr>
<td>7</td>
<td>Rata Limited</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>USA</td>
<td>5,424</td>
<td>1,058</td>
<td>24,782</td>
<td>100.9%</td>
</tr>
<tr>
<td>8</td>
<td>Takeda Limited</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>UK</td>
<td>10,055</td>
<td>2,494</td>
<td>4,428</td>
<td>93.0%</td>
</tr>
<tr>
<td>9</td>
<td>The Binding Site Group Limited</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>UK</td>
<td>21,597</td>
<td>3,717</td>
<td>11,552</td>
<td>94.3%</td>
</tr>
<tr>
<td>10</td>
<td>Unifactor Limited</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>Pharmaceuticals &amp; Biotechnology</td>
<td>UK</td>
<td>7,814</td>
<td>1,540</td>
<td>4,540</td>
<td>94.0%</td>
</tr>
</tbody>
</table>

### GVA Growth
- GVA generated by the top 50 businesses has increased by 25.8% over 1yr period
- 32 of the top 50 businesses have increased GVA over a 1yr period
- 11 businesses have increased GVA by 20% and over
- 20 businesses have increased GVA by 10% and over

### Foreign Ownership & Listing
- 5 businesses in the top 50 are foreign owned
- The largest foreign owned company in the top 50 is ranked 9th - Lloyds Pharmaceutical Homecare Limited
- The largest number of global owners are in the USA (2 businesses)
- Average GVA per employee for these businesses is £172,327
- 5 businesses are listed on the London Stock Exchange - GKN PLC, National Express Group PLC, RMS PLC, Hafod Group PLC, Rotata PLC

### GVA Impact (£m)

#### High GVA (£100m+)
- £196.7 (20% of the top 50 businesses)
- GVA generated under GKN PLC
- £17,906 (3.1% of the top 50 businesses)
- £45,130 (20% of the top 50 businesses)

#### Medium GVA (£45-99.9m)
- £29,342 (£31.0% of the top 50 businesses)
- £20,342 (70% of the top 50 businesses)

#### Low GVA (£0-44.99m)
- £23,561 (100% of the top 50 businesses)
- £18,250 (31% of the top 50 businesses)

### Location of Top Performing Businesses
- USA - San Francisco
- Spain - Barcelona
- China - Chongqing
- France - Paris

### Sub Sector Analysis
- 83.5% of GVA generated by the top 50 businesses is concentrated in 1 sub-sector:
- Healthcare Equipment & Services has the highest number of businesses in the top 50 (41 businesses)
- Pharmaceutics & Biotechnology has the highest average GVA per employee
- Pharmaceutics & Biotechnology has the highest growth rate (33.4%).

### Life Sciences & Healthcare: UK 2013 GVA per employee: £26,070
- 23 of the above 50 companies (46%) have above average GVA per employee
SECTOR SCOREBOARD - Logistics and Transport Technologies

**GVA**
- Current GVA: £7.3bn
- 9.3% of total WMCA GVA
- Growth Ambition: £12.8bn (+£5.5bn GVA)
- Growth Rates 2010 – 2013
  - WMCA: 18.4% (+£7.0bn GVA) UK: +6.1%
- Most important sector: Machinery, motor vehicles and other transport (50.6%)

**JOBS**
- Current Jobs: 152,800
  - 8.0% of total jobs
- Growth Ambition: 178,100 (+25,300 jobs)
- Growth Rates 2010 – 2013
  - WMCA: +6.2% (+8,900 Jobs) UK: +3.5%
- Most important sector: Machinery, motor vehicles and other transport (38.6%)

**BUSINESSES**
- Current Businesses: 9,375
  - 7.0% of total businesses
- Growth Rates 2011 - 2016
  - +66.1%

**Logistics and Transport Technologies**
- 50.6% of total WMCA GVA
- 13.9% of total UK GVA
- 25.3% of total GVA

**Top 3 Sectors:**
1. **Machinery, motor vehicles and other transport**
2. **Land transport and transport via pipelines**
3. **Warehousing and support activities**

**Proportion of GVA Sub-sectors:**
- WMCA: 18.4% (+£7.0bn) UK: +6.1%
- Machinery, motor vehicles and other transport: 50.6%
- Land transport and transport via pipelines: 19.3%
- Warehousing and support activities: 17.1%
- Postal and courier activities: 12.0%
- Water and air transport: 1.9%

**Proportion of Jobs Sub-sectors:**
- WMCA: 18.4% (+8,900 Jobs) UK: +3.5%
- Machinery, motor vehicles and other transport: 38.6%
- Land transport and transport via pipelines: 25.1%
- Warehousing and support activities: 19.2%
- Postal and courier activities: 16.2%
- Water and air transport: 0.9%

**Growth Ambition:**
- £12.8bn
- +£5.5bn

**Growth Rates 2010 – 2013**
- WMCA: 18.4% (+£7.0bn GVA) UK: +6.1%

**Most important sector:**
- Machinery, motor vehicles and other transport (50.6%)
### Logistics & Transport Technologies: Top 50 Businesses by GVA

<table>
<thead>
<tr>
<th>No.</th>
<th>Business Name</th>
<th>Industry Classification</th>
<th>GVA (£m)</th>
<th>No. of Businesses</th>
<th>No. of Employees</th>
<th>GVA per Employee</th>
<th>Average GVA per Employee</th>
<th>% of total GVA</th>
<th>% Change (yr %)</th>
<th>GVA Change (£m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Jap Inc</td>
<td>Automobiles &amp; Parts</td>
<td>1,379.58</td>
<td>24.77</td>
<td>7,216.30</td>
<td>290.75</td>
<td>290.75</td>
<td>3.77</td>
<td>13.4%</td>
<td>148.45</td>
</tr>
<tr>
<td>2</td>
<td>Jap Inc</td>
<td>Automobiles &amp; Parts</td>
<td>1,318.66</td>
<td>23.29</td>
<td>7,116.30</td>
<td>290.75</td>
<td>290.75</td>
<td>3.77</td>
<td>13.4%</td>
<td>148.45</td>
</tr>
<tr>
<td>3</td>
<td>Jap Inc</td>
<td>Automobiles &amp; Parts</td>
<td>1,216.95</td>
<td>22.43</td>
<td>7,216.30</td>
<td>290.75</td>
<td>290.75</td>
<td>3.77</td>
<td>13.4%</td>
<td>148.45</td>
</tr>
<tr>
<td>4</td>
<td>Jap Inc</td>
<td>Automobiles &amp; Parts</td>
<td>1,201.84</td>
<td>21.97</td>
<td>7,116.30</td>
<td>290.75</td>
<td>290.75</td>
<td>3.77</td>
<td>13.4%</td>
<td>148.45</td>
</tr>
<tr>
<td>5</td>
<td>Jap Inc</td>
<td>Automobiles &amp; Parts</td>
<td>1,156.84</td>
<td>21.45</td>
<td>7,116.30</td>
<td>290.75</td>
<td>290.75</td>
<td>3.77</td>
<td>13.4%</td>
<td>148.45</td>
</tr>
<tr>
<td>6</td>
<td>Jap Inc</td>
<td>Automobiles &amp; Parts</td>
<td>1,070.84</td>
<td>19.20</td>
<td>7,116.30</td>
<td>290.75</td>
<td>290.75</td>
<td>3.77</td>
<td>13.4%</td>
<td>148.45</td>
</tr>
<tr>
<td>7</td>
<td>Jap Inc</td>
<td>Automobiles &amp; Parts</td>
<td>1,007.84</td>
<td>18.26</td>
<td>7,116.30</td>
<td>290.75</td>
<td>290.75</td>
<td>3.77</td>
<td>13.4%</td>
<td>148.45</td>
</tr>
<tr>
<td>8</td>
<td>Jap Inc</td>
<td>Automobiles &amp; Parts</td>
<td>950.84</td>
<td>16.63</td>
<td>7,116.30</td>
<td>290.75</td>
<td>290.75</td>
<td>3.77</td>
<td>13.4%</td>
<td>148.45</td>
</tr>
<tr>
<td>9</td>
<td>Jap Inc</td>
<td>Automobiles &amp; Parts</td>
<td>904.84</td>
<td>15.92</td>
<td>7,116.30</td>
<td>290.75</td>
<td>290.75</td>
<td>3.77</td>
<td>13.4%</td>
<td>148.45</td>
</tr>
<tr>
<td>10</td>
<td>Jap Inc</td>
<td>Automobiles &amp; Parts</td>
<td>864.84</td>
<td>15.31</td>
<td>7,116.30</td>
<td>290.75</td>
<td>290.75</td>
<td>3.77</td>
<td>13.4%</td>
<td>148.45</td>
</tr>
</tbody>
</table>

### GVA Growth
- GVA generated by the top 50 businesses has increased by 5.7% over 1yr period.
- 33 of the top 50 businesses have increased GVA over a 1yr period.
- 13 businesses have increased GVA by 10% and over.
- 21 businesses have increased GVA by 10% and over.

### Foreign Ownership & Listing
- 23 companies in the top 50 are foreign owned.
- The largest foreign owned company in the top 50 is ranked 1st - Jaguar Land Rover Limited.
- The largest global owners are in the USA (7 businesses).
- Average GVA per employee for these businesses is £172,327.
- 5 businesses are listed on the London Stock Exchange - GKN PLC, National Express Group PLC, MIPLC, Halfords Group PLC, Rotata PLC.

### SECTOR SCORBOARD - Logistics and Transport Technologies

<table>
<thead>
<tr>
<th>Industry Classification</th>
<th>No. of Businesses</th>
<th>Total GVA (£m)</th>
<th>Average GVA per Employee</th>
<th>% of Total GVA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automobiles &amp; Parts</td>
<td>16</td>
<td>1,330.00</td>
<td>1,028.13</td>
<td>17.6%</td>
</tr>
<tr>
<td>Industrial Engineering</td>
<td>8</td>
<td>1,184.00</td>
<td>150.50</td>
<td>25.8%</td>
</tr>
<tr>
<td>Industrial Transportation</td>
<td>10</td>
<td>1,007.00</td>
<td>100.70</td>
<td>17.6%</td>
</tr>
<tr>
<td>Aerospace &amp; Defence</td>
<td>3</td>
<td>945.00</td>
<td>315.00</td>
<td>16.8%</td>
</tr>
<tr>
<td>Travel &amp; Leisure</td>
<td>2</td>
<td>905.00</td>
<td>452.50</td>
<td>16.0%</td>
</tr>
</tbody>
</table>

### GVA Impact (£m)
- Medium £50-£499,999m 7 (14%)
- Low £0-£49,999m 34 (66%)

### Sub Sector Analysis
- 66% of the top 50 businesses (34 companies) generate under £50m GVA.
- 5 businesses generate over £100m, accounting for 6% of total GVA generated by the top 50 businesses.

### Foreign Owned Strategic City Hubs
- Japan
- Germany
- France
- USA
- UK
- Italy
- China

### Sub Sector Breakdown
- Aerospace & Defence
- Automobiles & Parts
- Industrial Engineering
- Industrial Transportation
- Aerospace & Defence
- Travel & Leisure

### Notes
- GVA is a value-added measure that includes turnover less costs of sales and operating expenses, excluding depreciation.
- GVA per employee is calculated by dividing the total GVA by the number of employees at the end of the financial year.
- The data is sourced from the Industry Classification Benchmark (ICB) structure for sector and sub-sector classification.
- The % of total GVA is calculated based on the total GVA of all the businesses in the top 50 list.
Low Carbon & Environmental Technologies: UK 2013 GVA per employee - £105,412
9 of the above 50 companies (18%) have above average GVA per employee.