Automatic Guided Vehicles (AGVs) have been around since 1953 and have been the catalyst for creating flexible material handling solutions throughout multiple industry segments. AGVs have long been the most flexible of automated material handling systems and have quickly become a disruptive force leading the way to Intralogistics 4.0.

**Industry Size**

<table>
<thead>
<tr>
<th>Year</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>$1.4 billion</td>
</tr>
<tr>
<td>2022</td>
<td>$2.7 billion</td>
</tr>
</tbody>
</table>

**Compound Annual Growth Rate**

- **2017**: $1.4 billion
- **2022**: $2.7 billion
- **9.34% Growth**

**Types of AGVs and AGV Navigation**

<table>
<thead>
<tr>
<th>AGV Types</th>
<th>Unit Load Custom Towing Fork Case</th>
<th>Free Range Inertial Laser Optical Inductive Magnetic Tape</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTONOMOUS</td>
<td><img src="image1.png" alt="Image" /></td>
<td><img src="image2.png" alt="Image" /></td>
</tr>
</tbody>
</table>

**AGV System Benefits**

- Reduce Labor Count
- Less Product Damage
- Multi-shift & 24/7 Operations
- Increased Safety
- Reduced Operations Cost & Manpower
- Increased Efficiency
- Improved Accuracy

**Interesting Fact:**

The first integrated AGV System was installed at Volvo in Sweden in 1972 with 186 AGVs. The system continued to run until the plant was closed in 1994.

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- 1,000s Access to the combined knowledge/experience from thousands of installed systems.

**DIVERSITY & INNOVATION**

- 25 Learn from 25 of the world’s leading automatic guided vehicle system companies.

**RESOURCES**

- **100s** Hundreds of resources for education and help: Access online website, [www.mhi.org](http://www.mhi.org), have direct contact* with other members and network at MHI events**.

*Meetings are conducted in a safe harbor environment.
**MHI events include MODEX, ProMat and Spring/Annual meetings and conferences.

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