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What is Important to Cities?

- Protection of critical city infrastructure
- Reliable Emergency Response
- Resilience of City Services
- Preserving citizens’ privacy
- Maintaining public health and safety
- Protecting city and personal data and privacy
- Secure Analytics
- New Revenue Sources, Cost Reductions?
Transformation has been Driven By…

- **COST OF SENSORS**: 2X past 10 years (IDC)
- **COST OF BANDWIDTH**: 40X past 10 years (IMC/EDC: The Digital Universe of Opportunities)
- **COST OF PROCESSING**: 60X past 10 years (Goldman Sachs)
5G
The Converged Network
$341 Billion
By 2025
Source: Machina Research
# IOT Standards and Consortia

<table>
<thead>
<tr>
<th>Consortia</th>
<th>Members</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial Internet Consortium</td>
<td>215+</td>
<td>E2E Reference Architecture, Interoperability Testbeds Approved, Intel® IoT Platform Fully Compatible</td>
</tr>
<tr>
<td>OpenFog</td>
<td>20+</td>
<td>Enterprise Fog Computing Reference Architecture, Operational Models and Testbeds, Intel® IoT Platform Fully Compatible</td>
</tr>
<tr>
<td>Open Connectivity Foundation</td>
<td>100+</td>
<td>Members</td>
</tr>
<tr>
<td>IoTivity 1.0</td>
<td></td>
<td>IPR Policy, Cloud-Native approach</td>
</tr>
</tbody>
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