Aichi Prefecture
The “Heart” of Japanese Manufacturing

Toyota Motor Corporation
Overview of AICHI

Center of Japan, heart of Japan

Nagoya City
Port of Nagoya
TOYOTA MOTOR CORPORATION Head Office
Central Japan International Airport
Port of Mikawa

Superconducting Maglev (under construction)
Tokaido Shinkansen

To Osaka
50 minutes

To Tokyo
1 hour and 35 minutes
### Overview of AICHI

Corresponding to a country

<table>
<thead>
<tr>
<th>Country</th>
<th>GDP (EUR bn)</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S.A.</td>
<td>14,858</td>
</tr>
<tr>
<td>China</td>
<td>8,487</td>
</tr>
<tr>
<td>Japan</td>
<td>4,387</td>
</tr>
<tr>
<td>Germany</td>
<td>3,340</td>
</tr>
<tr>
<td>France</td>
<td>2,506</td>
</tr>
<tr>
<td>Thailand</td>
<td>375</td>
</tr>
<tr>
<td>Denmark</td>
<td>302</td>
</tr>
<tr>
<td>Malaysia</td>
<td>279</td>
</tr>
</tbody>
</table>

Population (Million):
- Aichi Prefecture: 7.5
- Japan: 126.9
- Denmark: 5.7

Area (sq.km):
- Aichi Prefecture: 5,173
- Japan: 377,972
- Denmark: 43,094

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Source: United Nations Statistics Division and Statistics Division of Aichi Prefectural Government, converted at the rate of USD1 = JPY100 / EUR0.891, as of FY2013
Largest industrial cluster in Japan

<table>
<thead>
<tr>
<th>2015</th>
<th>Value of shipments of manufactured goods</th>
<th>Share</th>
<th>Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aichi</td>
<td>EUR 355 billion</td>
<td>14.4%</td>
<td>1st</td>
</tr>
<tr>
<td>Tokyo</td>
<td>EUR 66 billion</td>
<td>2.7%</td>
<td>15th</td>
</tr>
<tr>
<td>Osaka</td>
<td>EUR 134 billion</td>
<td>5.4%</td>
<td>3rd</td>
</tr>
</tbody>
</table>

Aichi’s business categories commanding the largest share in Japan (major categories)

- **Machinery for transportation**
  - Share in Japan: 39.1%
  - EUR 191 billion

- **Steel**
  - Share in Japan: 13.3%
  - EUR 21 billion

- **Electric machinery and appliances**
  - Share in Japan: 12.6%
  - EUR 17 billion

- **Rubber products**
  - Share in Japan: 12.9%
  - EUR 3 billion

- **Machinery and appliances for business use**
  - Share in Japan: 16.3%
  - EUR 9 billion

- **Plastic products**
  - Share in Japan: 12.6%
  - EUR 12 billion

And more!!

Source: Created based on the “Census of Manufacture” (Ministry of Economy, Trade and Industry)
Automobile Industry in AICHI

Japan’s largest automobile industrial cluster

- **Tokai Rika** (head plant)
- **Toyoda Gosei** (head plant)
- **NGK Spark Plug Co., Ltd.** (head plant)
- **Toyota Industries Corporation** (head plant)
- **Toyota Industries Corporation** (Nagakusa Plant)
- **Toyota Auto Body** (Fujimatsu Plant)
- **Aisin AW** (head plant)
- **Aisin Seiki** (head plant)
- **Inoac Corporation** (Anjo Plant)
- **Denso** (head plant)
- **TOYOTA MOTOR CORPORATION**
  - Head plant
  - Takaoka Plant
  - Tsutsumi Plant
  - Motomachi Plant
- **Toyota Boshoku Corporation** (head plant)
  - Nagoya Works
- **Mitsubishi Motors**
  - Nagoya Works
- **Suzuki** (Toyokawa Plant)
- **TOYOTA MOTOR CORPORATION**
  - Tahara Plant
The Automotive Safety Technology Project Team was established in 2013 through industrial-academic-governmental cooperation.

Aichi Prefecture, Chubu District Transport Bureau, Nagoya University, Toyota Motor Corporation, Denso Corporation

Governor Ohmura test-drove a autonomous driving car.
Aerospace Industry in AICHI

Japan’s largest aerospace industrial cluster

Mitsubishi Heavy Industries
Nagoya Aerospace Systems Works
(Tobishima Plant)

Mitsubishi Heavy Industries
Nagoya Guidance & Propulsion Systems Works

Mitsubishi Heavy Industries
Nagoya Aerospace Systems Works
(Komakiminami Plant)

Mitsubishi Heavy Industries
Nagoya Aerospace Systems Works
(Oe Plant)

Mitsubishi Aircraft

Toray Industries

SUBARU
(Handa Plant)

SUBARU
(Handanishi Plant)

Kawasaki Heavy Industries
(Nagoya No. 2 Plant)

Kawasaki Heavy Industries
(Nagoya No. 1 Plant)

IHI Aerospace

NOF Corp

※Source: TEIKOKU DATABANK, LTD.
Aerospace Industry in AICHI

MRJ (Mitsubishi Regional Jet)

Development and final assembly in Aichi Prefecture

<table>
<thead>
<tr>
<th>Aircraft</th>
<th>Size (L × W × H)</th>
<th>No. seats</th>
<th>Flight distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRJ90</td>
<td>35.8m × 29.2m × 10.4m</td>
<td>88</td>
<td>2,120－3,770km</td>
</tr>
<tr>
<td>MRJ70</td>
<td>33.4m × 29.2m × 10.4m</td>
<td>76</td>
<td>1,880－3,740km</td>
</tr>
</tbody>
</table>

Orders 447
Aichi Robot Industrial Cluster Promotion Council established
- Initiatives to create new technologies and products in cooperation with industry-academia-government
- Membership: 402 companies/organizations (May 31, 2017)

**Working Groups**

- Rehabilitation and nursing support robot
- Industrial and logistics robot
- Autonomous Flying robot

**Examples of robot development by local companies**

**Medical institutions**
- Rehabilitation support (Toyota Motor Corp)
- Walking aids (Aska)

**Long-term care facilities & elderly**
- Standing aid (Fuji Machine Mfg)

**Personal Mobility**
- Therapy (Togo Seisakusyo Corp)

**Mobility**
- (Aisin)
Come visit AICHI!!

AICHI-NAGOYA

“Heart” of JAPAN
~Technology & Tradition

Kamezaki Shiohi Festival

Tenno Matsuri Festival

Hana Matsuri
Come visit AICHI!!

Winter Cherry Blossoms and Autumn-Colored Leaves

National Treasure Inuyama Castle

Tezutsu Hanabi, Hand-Held Fireworks
Thank you for your kind attention.
Merci de votre attention.