

# Altra Industrial Motion

## *Company Overview*



# Altra At-a-Glance

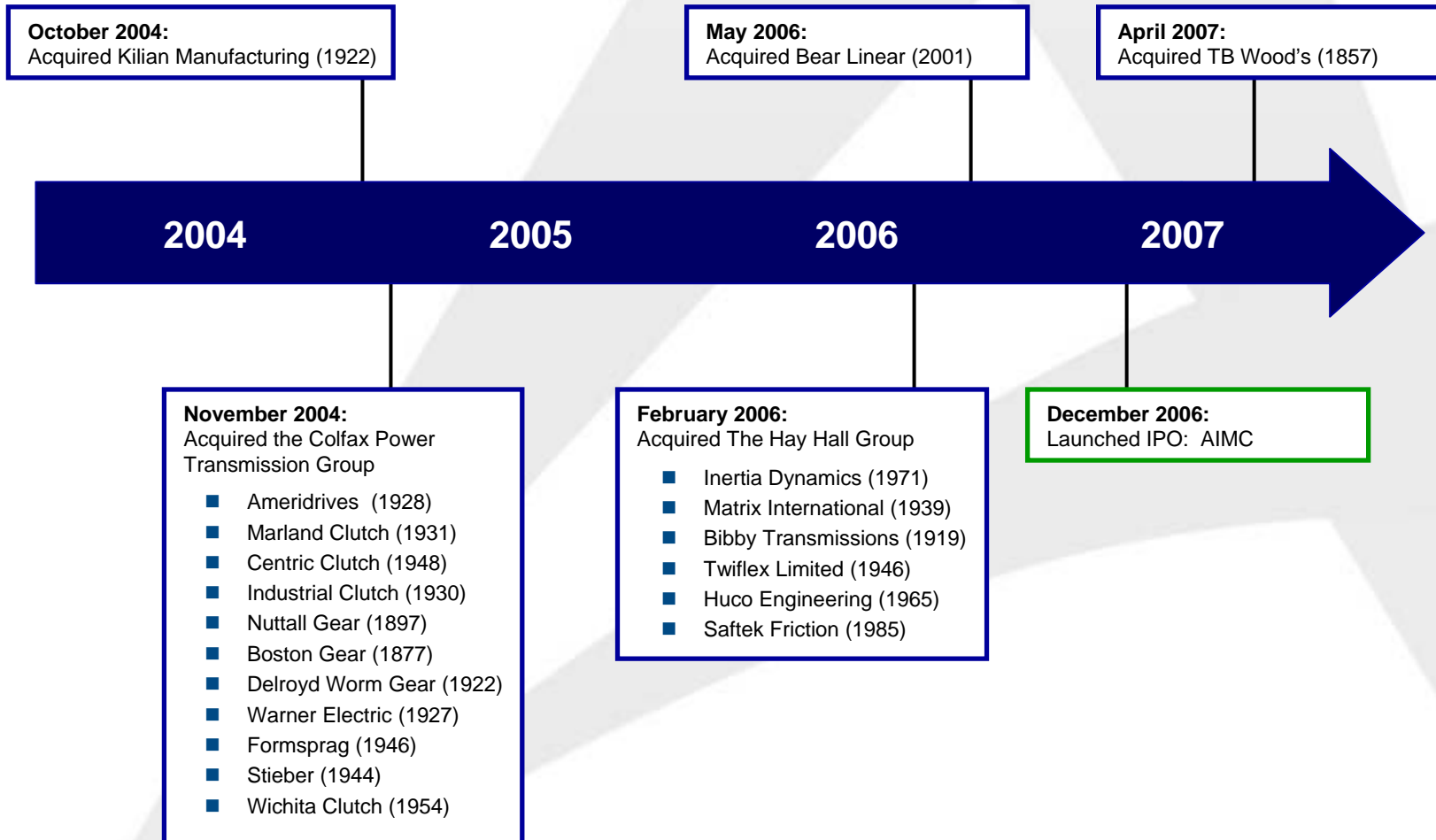
- Founded in 2004
- Headquartered in Quincy, MA
- 2006 pro-forma sales of \$588 million<sup>1</sup>
- 3,300 full time employees
- 30 global production facilities
- Over 1,000 direct OEM customers
- Over 3,000 distributor outlets



## Altra's Established Brands

- 
- Warner Electric
  - TB Wood's
  - Boston Gear
  - Warner Linear
  - Formsprag Clutch
  - Stieber Clutch
  - Marland Clutch
  - Wichita Clutch
  - Industrial Clutch
  - Ameridrives Couplings
  - Nuttall Gear
  - Centric Clutch
  - Delroyd Worm Gear
  - Kilian Bearing
  - Inertia Dynamics
  - Matrix Engineering
  - Bibby Transmissions
  - Twiflex Limited
  - Huco Dynatork
  - Saftek Friction

# Altra's History



# Altra Product Portfolio



## Electro Magnetic Clutches & Brakes

## Overrunning Clutches

## Heavy Duty Clutches & Brakes

## Couplings

## Engineered Belted Drives

## Adjustable Speed Drives & Systems

## Gearing and PT Components

## Engineered Bearing Assemblies

**Products:**

- Electrically Released
- Packaged
- Basic
- Turf & Garden
- Magnetic Particle
- Wrap Spring
- Tension Control

**Products:**

- Back Stops
- Multi-Purpose Sprag
- Multi-Purpose Roller
- Ball Bearing Type
- Continuous Duty
- Cages and Retainers
- Bi-Directional

**Products:**

- Water Cooled
- Pneumatic
- Hydraulic
- Caliper
- Fluid Couplings
- Tension Control
- Spring Set

**Products:**

- Disc
- Elastomeric
- Diaphragm
- Gear
- Grid
- Jaw
- Universal Joints
- Mill Spindles
- Torque Limiters

**Products:**

- V-Belt Drives
- Synchronous Drives
- Made-to-Order Sheaves
- Belts
- Bushings
- Gray & Ductile Iron Castings

**Products:**

- NEMA 4 AC Drives
- Micro Inverters
- Engineered Electronic Systems
- DC Drives

**Products:**

- Worm Gear Speed Reducers
- Helical Gear Drives
- Open Gearing
- Linear Actuators
- Precision Couplings
- Adjustable Speed Drives
- AC and DC Motors

**Products:**

- Custom Bearing Assemblies
- Track Rollers
- Vehicular Assemblies
- Thrust Assemblies
- Polymer Assemblies
- Roller Assemblies
- Housed Units



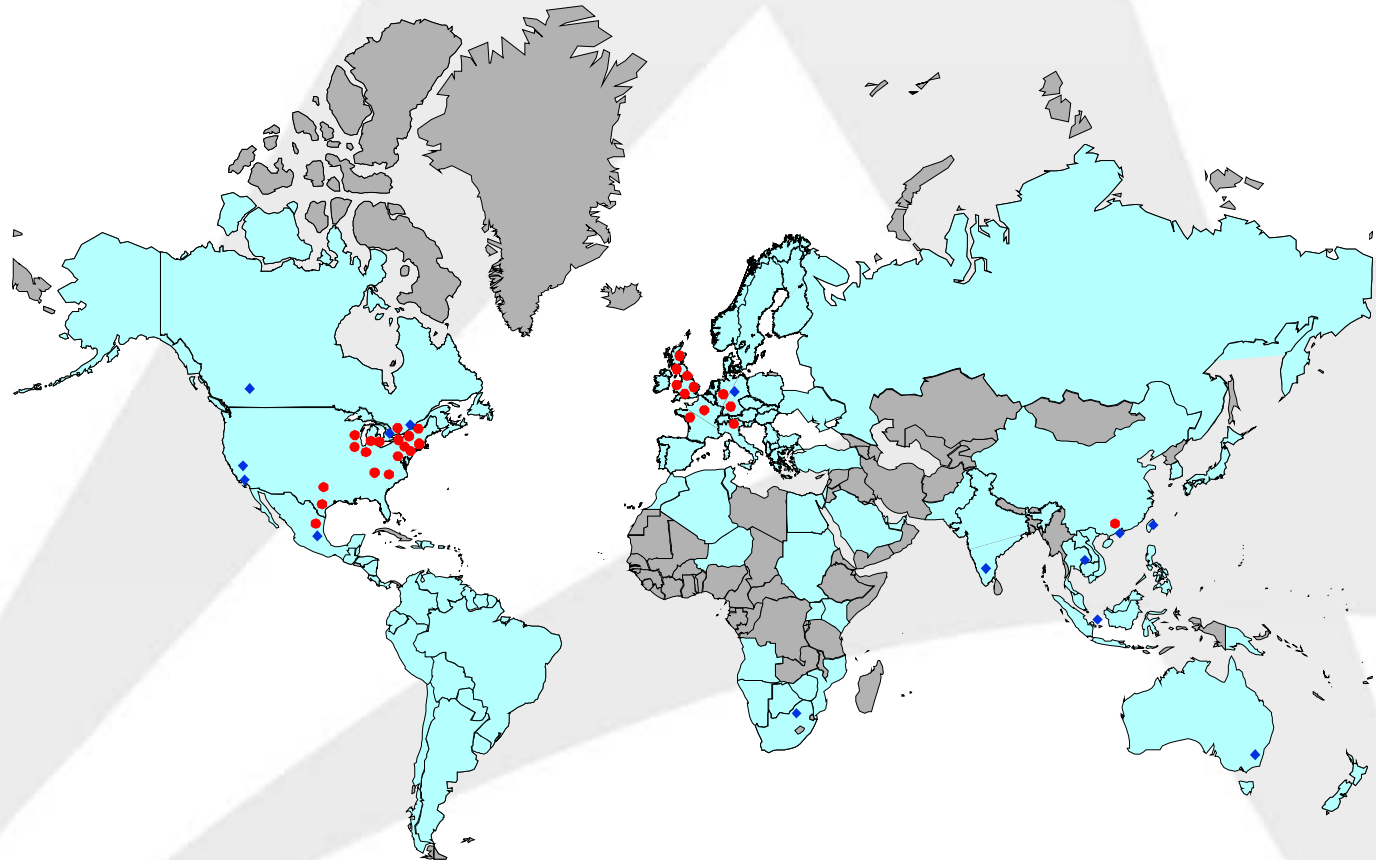
# Altra's Strategic Markets

- Aligned with Altra's core competencies
- Total served market opportunity exceeds \$1 billion
- Market growth rate typically greater than GDP
- Balanced cyclicalty
- Breadth of Altra product available for sale
- Opportunity for new product development and competitive displacement



# Altra Global Sales and Manufacturing Presence

- Coverage in over 70 countries via extensive distributor network
- Direct coverage in over 25 countries
- 30 manufacturing locations worldwide
- Over 250 sales and marketing personnel



● Manufacturing Facility    ◆ Satellite Warehouse & AP Sales Office    □ Sales Coverage

## ECB (Electric Clutch/Brake)

 **Warner**  
*Electric*

 **Warner**  
*Electric-Europe*

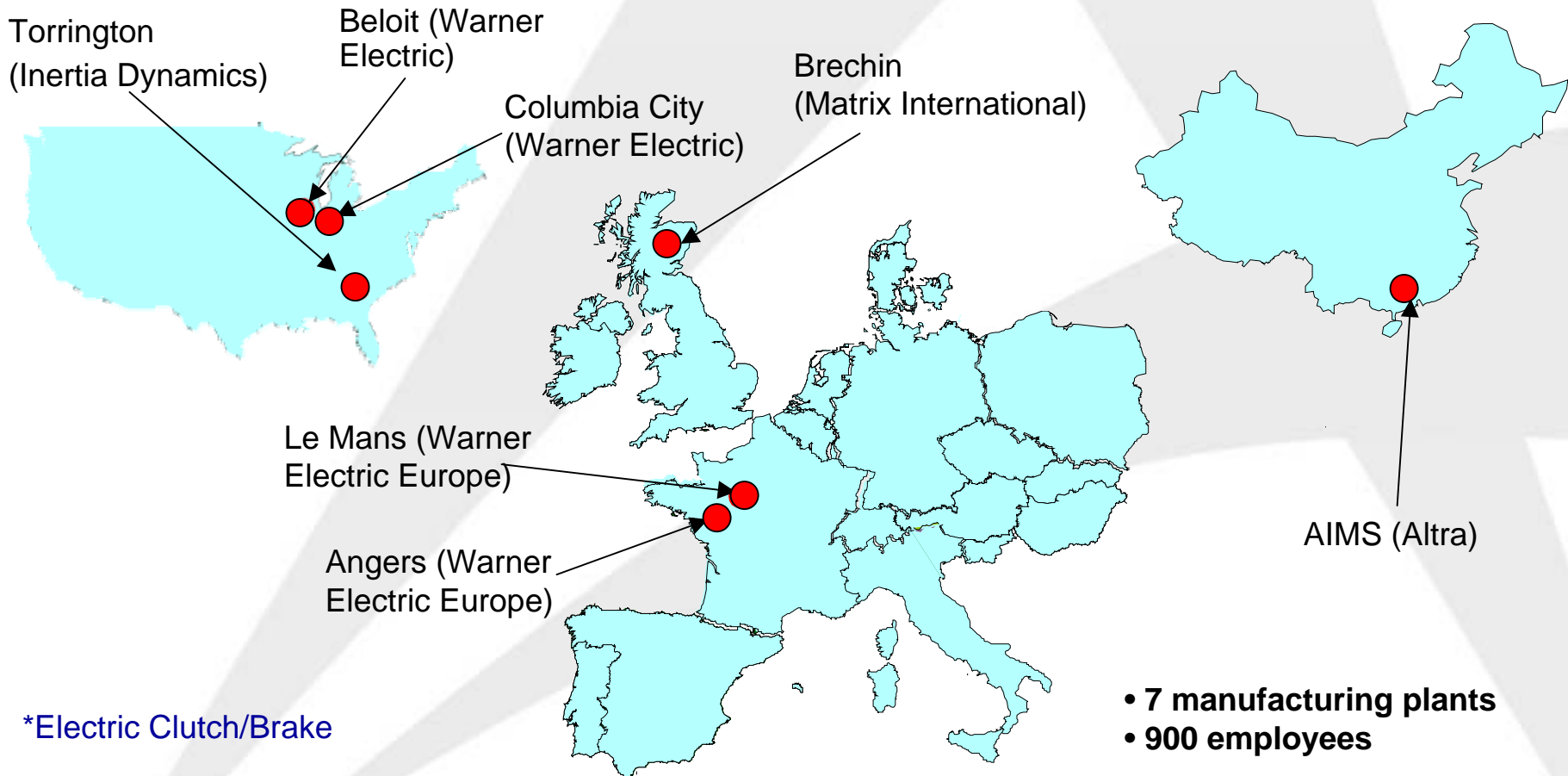
 **Matrix**  
*International*

 **Inertia**  
*Dynamics*



## ECB\*

### Presence in North America, Europe and Asia



\*Electric Clutch/Brake

- 7 manufacturing plants
- 900 employees

# ECB (Electric Clutch/Brake)

## Some of Our Key Markets & Applications

**Forklifts**



Electric Forklifts & Lift Trucks

**Material Handling**



Cranes, Hoists & Industrial Doors

**Turf & Garden**



Residential Mowers, Commercial Mowers

**Tension Control**



Unwind machinery, Capping & labeling machinery

**Medical Mobility**



Personal Lifts, Wheelchairs & Scooters

**Farm**



Harvester, Off Road, telehandler, Round Baler, Seed Sprayer

**Elevators**



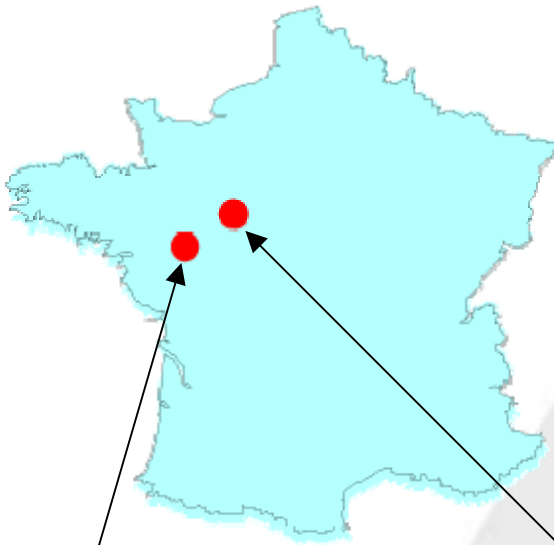
Elevators, Freight Elevators, & Dumbwaiters

**Military**



Radar, Tank & Ship Guns

**Warner**  
*Electric-Europe*



|  |            |
|--|------------|
| <b>Total staff</b>                       | <b>200</b> |
| <b>Production</b>                        | <b>127</b> |
| <b>Engineering &amp; Lab</b>             | <b>24</b>  |
| <b>Administration &amp; IT</b>           | <b>19</b>  |
| <b>Sales &amp; Applications (Inside)</b> | <b>18</b>  |
| <b>Sales (Fields)</b>                    | <b>12</b>  |

Angers

Le Mans

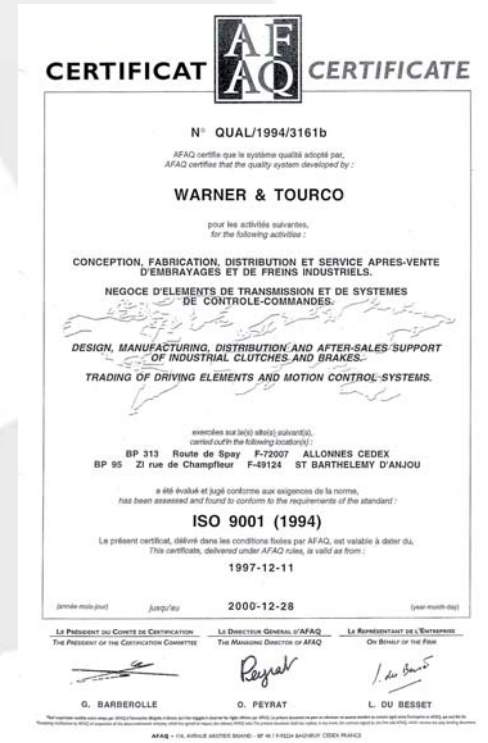


**Angers + Le Mans**

|           |                       |
|-----------|-----------------------|
| Shopfloor | 10'000 m <sup>2</sup> |
| Offices   | 3'800 m <sup>2</sup>  |
| Site      | 64'000 m <sup>2</sup> |

**CERTIFICATION**

- ISO 9001-V 94 : December 1994
- **ISO 9001-V2000 : 2003**
  
- CE 95/16: January 2002
- UL class F/ CSA approved
  
- Customer Agreements:
  - **Linde Group**
  - **BT Products**
  - Thyssen, Elbit, Leroy Somer...
  
- Special Product Certification on request:
  - Ex, TUV, Loyds...



# Markets



**Office automation**



**Farm**



**Elevator**



**Packaging**



**Tension Control**



**Forklift**



**Military**



**Medical**

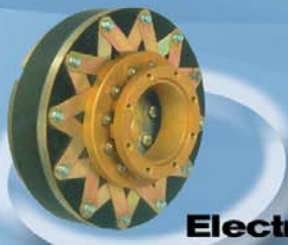
# Products



**Wrap spring  
clutch/brake**



**Tension  
brake with  
fan**



**Electromagnetic  
brake**



**Elevator  
brake**



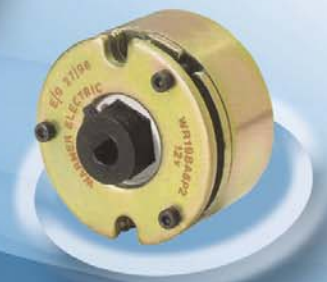
**Tension  
brake**



**Tooth  
brake**



**Packaged  
clutch/brake**



**Medical  
brake**