



# Tosoh Corporation



# Who we are

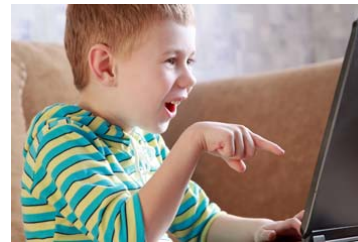


Tosoh Corporation is a diversified global chemical company with a strong reputation in basic chemicals, petrochemicals, and specialty products. Since its founding in 1935, Tosoh has expanded into high-value-added businesses, such as organic chemicals, bioscience, quartzware, and advanced electronic materials.



# What we achieve

FY2009: USD 7.5 billion (JPY 734 billion)\*



## FY 2009 Sales by Operating Group

SPECIALTY  
GROUP

US \$2.9 billion

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Share of Net Sales:  
39.2%

BASIC  
GROUP

US \$2 billion

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Share of Net Sales:  
26.3%

PETROCHEMICAL  
GROUP

US \$2.1 billion

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Share of Net Sales:  
28.0%

SERVICE  
GROUP

US \$448 million

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Share of Net Sales:  
6.5%

\* FY 2009 (Year ended March 31, 2009) ¥98.23 = US\$1.



# Our people

Over 11,000 people work for the Tosoh Group in 19 countries. Our people share Tosoh's pledge of environmental care and safety, the development of future technologies, and the pursuit of excellence.





# Our values



Tosoh recognizes its responsibility to protect the environment and to ensure public health and safety. It has been a member of the Japan Responsible Care® Council since 1995.

Tosoh has achieved ISO 9001 certification for its quality management system, ISO 13485 certification for its medical product and pharmaceutical quality management system and ISO 14001 certification for its environmental management system.





## Our R&D

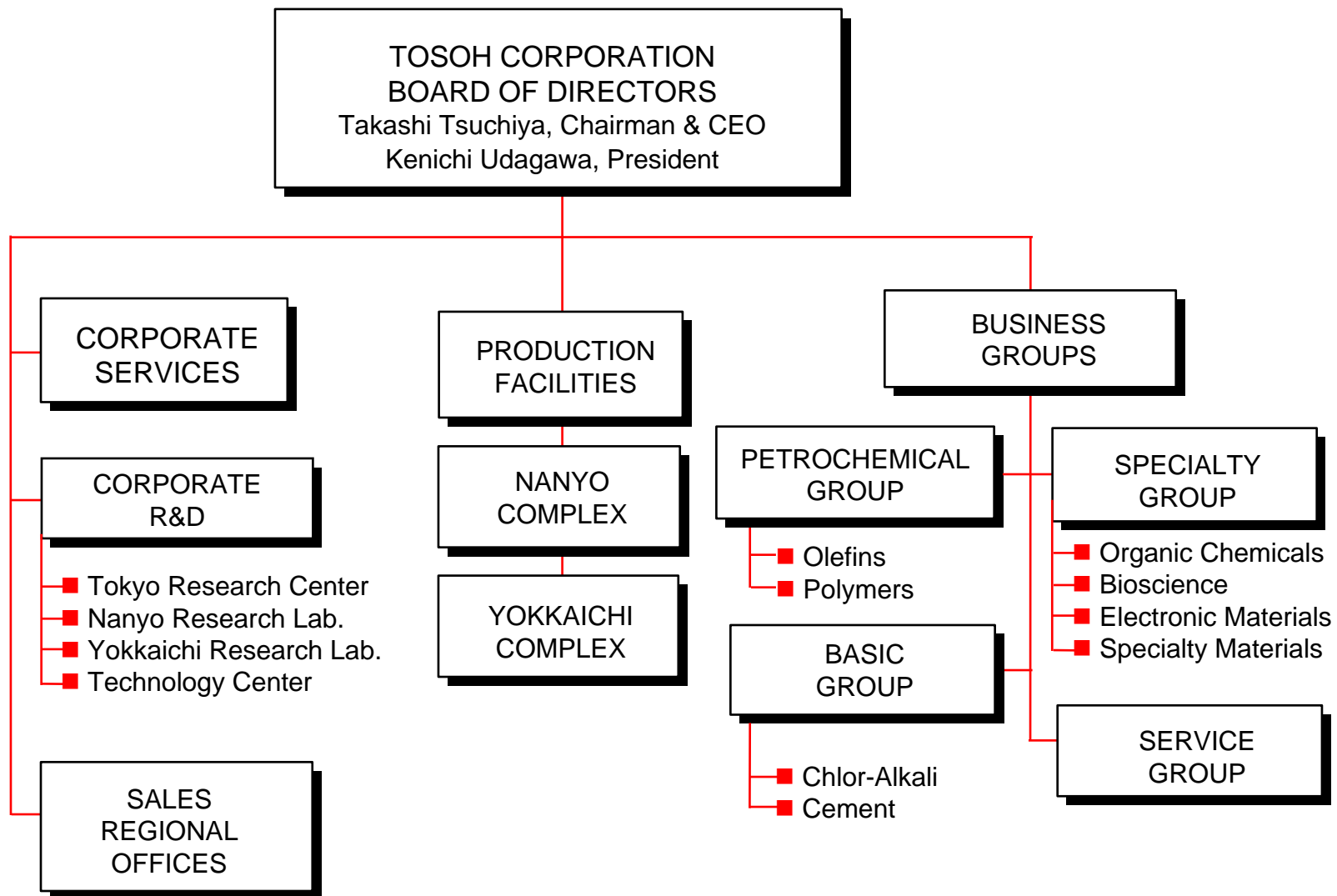
Tosoh strives continuously to improve the products of its specialty, petrochemical, and chlor-alkali businesses. In fiscal 2009, the Company invested US\$147 million in R&D activities.

Throughout its development of proprietary technologies, Tosoh's R&D theme is to achieve synergies that result in products that are competitive in global markets.





# How we are organized





# Our strengths

Tosoh is a company combining the largest chlor-alkali commodity operations of their kind in Asia with highly profitable specialty operations.



## Commodities

Vinyl isocyanate chain operations supply growing Asian markets

## Specialties

Serve global specialty niche markets



# What we produce

## Petrochemicals

Olefins  
Polymers



Basic  
Chlor-alkali  
Cement



Specialty  
Organic Chemicals  
Bioscience  
Electronic Materials  
Specialty Materials



# Petrochemical Group

## Olefins

Ethylene  
Propylene  
C4 Fraction  
Tertiary-butyl alcohol  
Cumene  
Aromatic compounds



## Polymers



Polyvinyl chloride  
High-density Polyethylene (Nipolon Hard®)  
Low-density Polyethylene (Nipolon®)  
Linear Low-density Polyethylene (Nipolon-L®, Nipolon-Z®, Lumitac® )  
Ethylene Vinyl Acetate Copolymer (Nipoflex®)  
Adhesive Polymer (Melthene®-series)  
Polyvinyl Chloride Paste (Ryuron® paste)  
Polychloroprene Rubber (SKYPRENE®)  
Chlorosulphonated Polyethylene (TOSO-CSM®)  
Alkylated Chlorosulphonated Polyethylene (extos®)  
Polyphenylene Sulfide (PPS) Resins  
C<sub>9</sub> Hydrocarbon Resins (Petcoal®)



# Basic Group



## Chlor-alkali

Caustic Soda  
Vinyl Chloride Monomer  
Calcium Hypochlorite (Nicolon®)  
Sodium Bicarbonate



## Cement

Ordinary Portland Cement  
Portland Fly Ash Cement  
Portland Blast Furnace Slag Cement



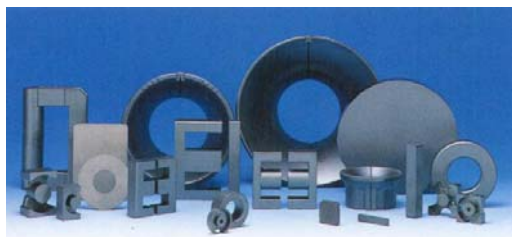
# Specialty Group

## Organic Chemicals



MDI – methyl diphenyl diisocyanate  
Ethyleneamines  
Polyurethane Catalysts (TEDA, TOYOCAT®)  
Bromine  
Hydrobromic Acid  
Flame Retardants (110R®, 120R®, FLAMECUT®)  
Chelating Agents (TS-275, TX-10)  
Nonaqueous Solvents (HC series)  
Sodium P-styrene Sulfonate (Spinomar® NaSS)  
Nonaqueous Solvents (HC series)  
High-purity Ethylene Dichloride

## Specialty Materials



Yttria-stabilized Zirconia Powders & Compounds  
Grinding Media YTZ®  
Electrolytic Manganese Dioxide  
Zeolite Molecular Sieves (Zeolum®)  
Zeolite for Catalysts (HSZ® series)



# Specialty Group

## Bioscience

Fully Automated Random-Access Enzyme Immunoassay System (AIA®-1800)

Random-Access Enzyme Immunoassay System (AIA®-600 II, AIA® -360)

Reagent System (AIA-PACK®, ST-AIA PACK)

Automated Glycohemoglobin Analyzers (HLC®-723G7, HLC®-723G8)

Real-Time Fluorescence Monitoring System (TRCRapid®-160)

High-performance Liquid Chromatography Columns (TSK-GEL®)

Separation Media for Bio-Pharmaceutical Purification (TOYOPEARL®)

High Performance GPC System (HLC-8320GPC EcoSEC)

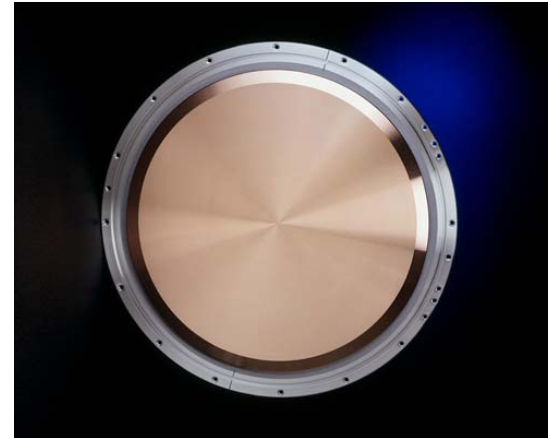
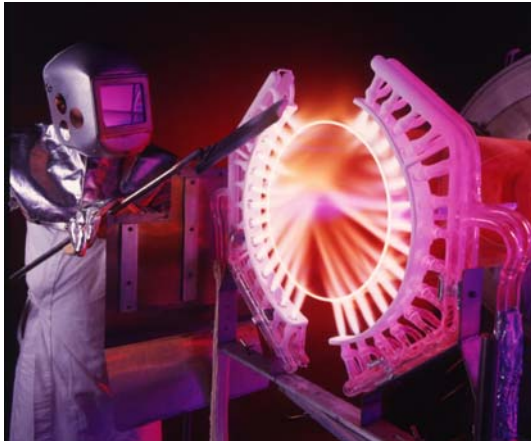
Others



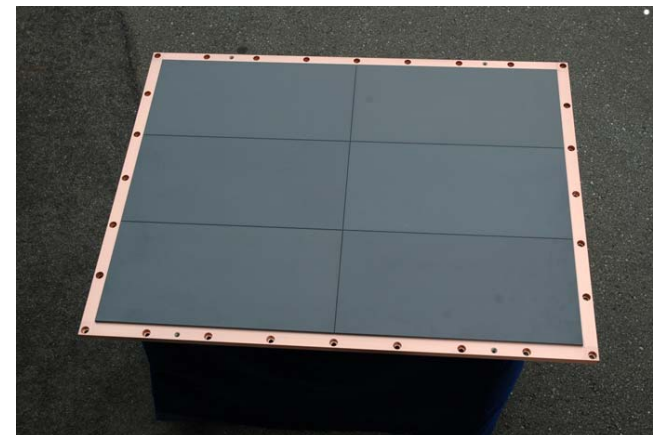


# Specialty Group

## Electronic Materials



Silica Glass Materials  
Fabricated Quartzware  
Machined Quartzware  
Sputtering Targets





# Where we operate



The Tosoh Group is a workforce of over 11,000 people with 135 affiliated companies in 19 nations worldwide. Already well established in key markets in Asia, the United States, and Europe, Tosoh continues to branch out and to locate its facilities closer to its customers.



# North America

Tosoh America, Inc.  
Tosoh USA, Inc.  
Tosoh SMD, Inc.  
Nippoly America Corporation  
Grove City, OH

Tosoh SGM USA, Inc.  
New Jersey Office  
Somerville, NJ

Tosoh Quartz, Inc.  
Portland, OR

Tosoh Bioscience, Inc.  
South San Francisco, CA

Tosoh Bioscience LLC  
Montgomeryville, PA

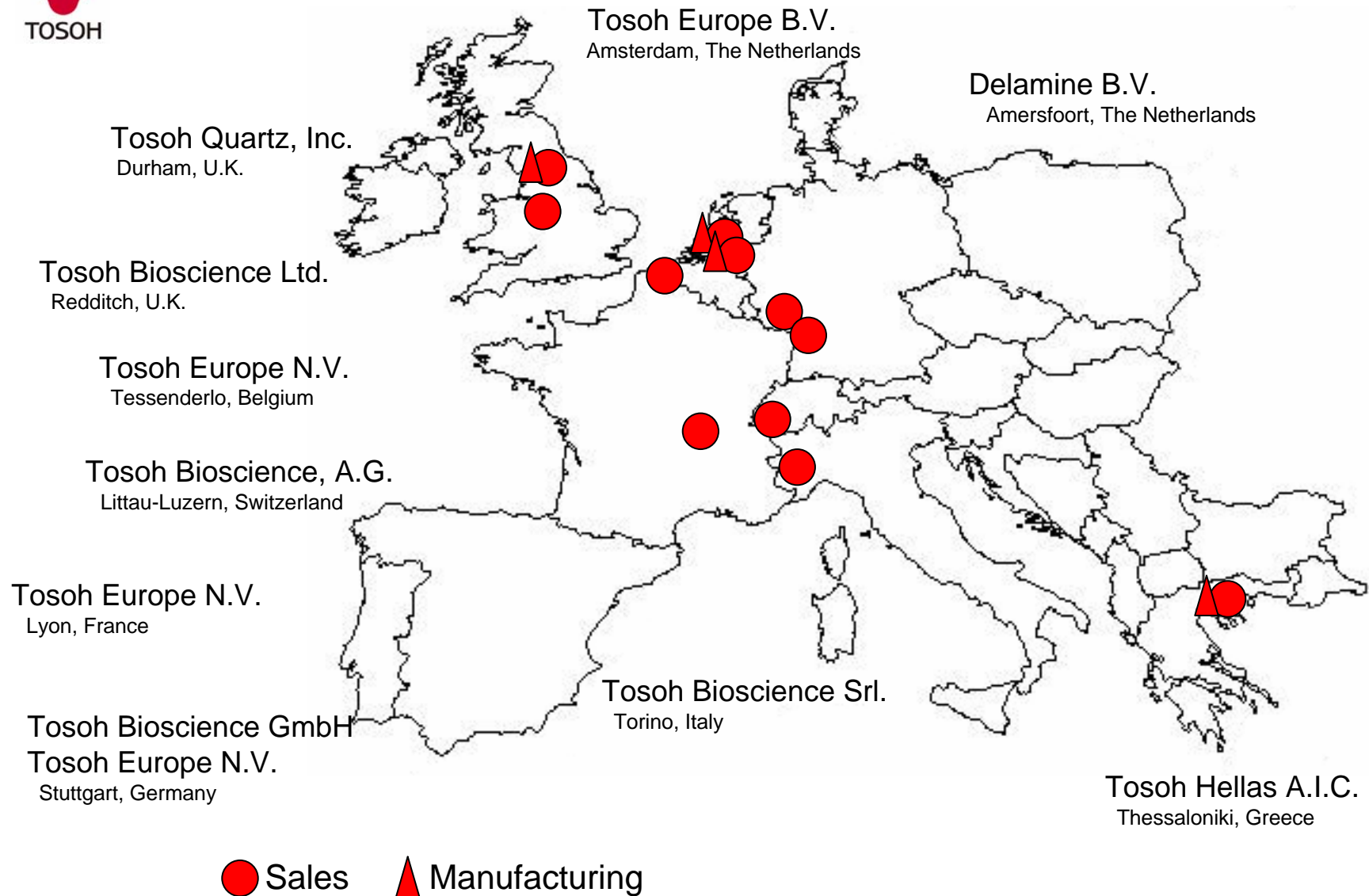
Tosoh Specialty  
Chemicals USA, Inc.  
Alpharetta, GE

● Sales    ▲ Manufacturing



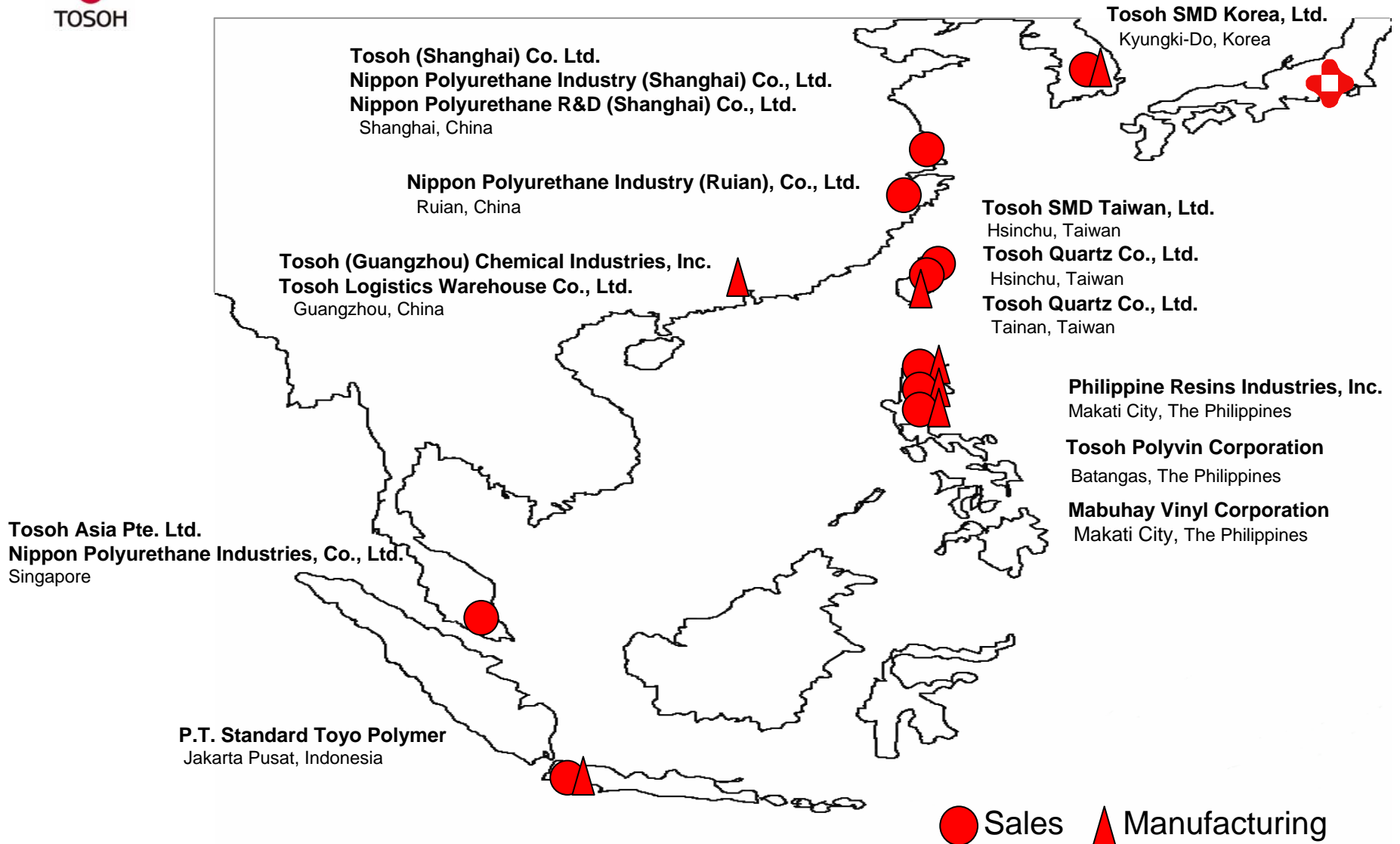
TOSOH

# Europe





# Asia (excluding Japan)





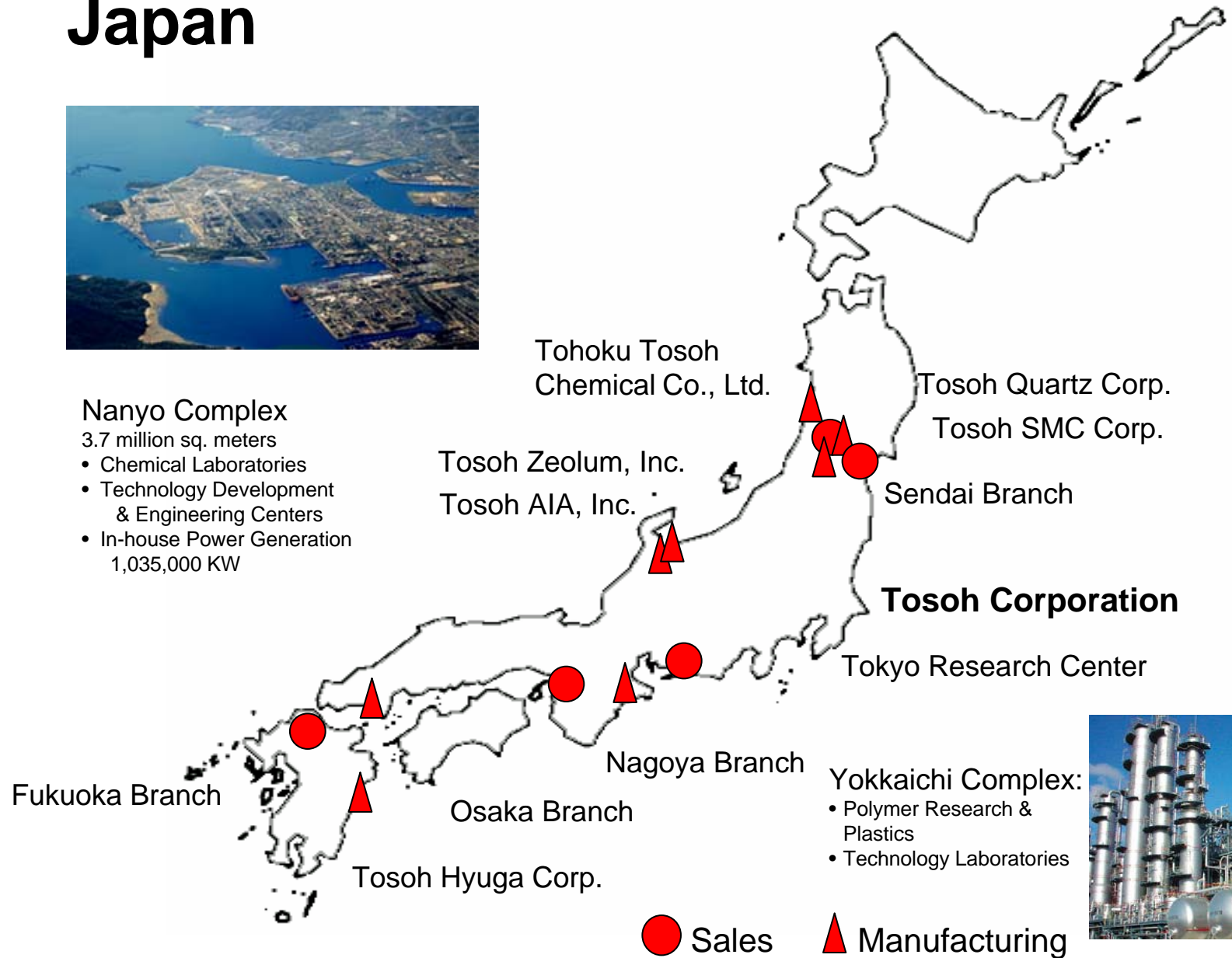
# Japan



## Nanyo Complex

3.7 million sq. meters

- Chemical Laboratories
- Technology Development & Engineering Centers
- In-house Power Generation  
1,035,000 KW



- Yokkaichi Complex:**
- Polymer Research & Plastics
  - Technology Laboratories



● Sales    ▲ Manufacturing



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