

トルコの機械産業

トルコ共和国大統領府投資局

WHY INVESTING TURKISH MACHINERY INDUSTRY:

INVEST.GOV.TR

トルコの機械産業

トルコの機械産業は今世紀に入り飛躍的に成長

▶ 売上高4倍: 210億ドル/2019

▶ 就労人口2.4倍:244千人/2019

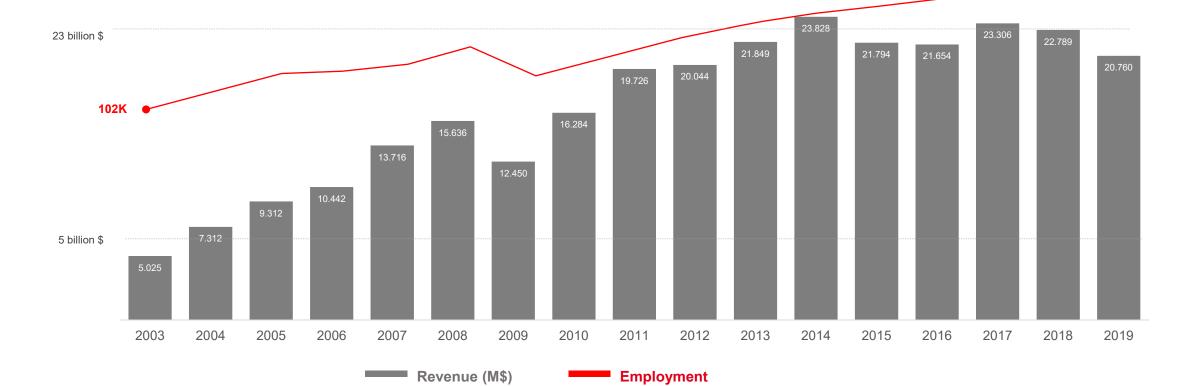




リーマンショックを乗り 越え売上高倍増 付加価値生産 25%へ

為替評価減40%の為 ドル建て売上高は減少





幅広い産業の成長需要が機械産業を牽引



平均成長率 2009-2019



2nd largest plastics producer after Germany in Europe



6th largest clothing supplier in the world, 3rd largest clothing supplier to Europe



5th largest electricity market in Europe – with 88.5 GW of installed capacity.



in Turkey with a

USD 70 billion

production

15th largest automotive manufacture r globally, producing over 1 million vehicles

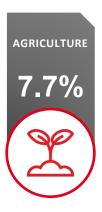
AUTOMOTIVE

4.2%

(F)



Largest TV and white goods manufacturer in Europe



7th largest agricultural producer in the world



650K+ dwelling units built per year



TURKEY

HAS GEOGRAPHICAL PROXIMITY TO SOME OF THE

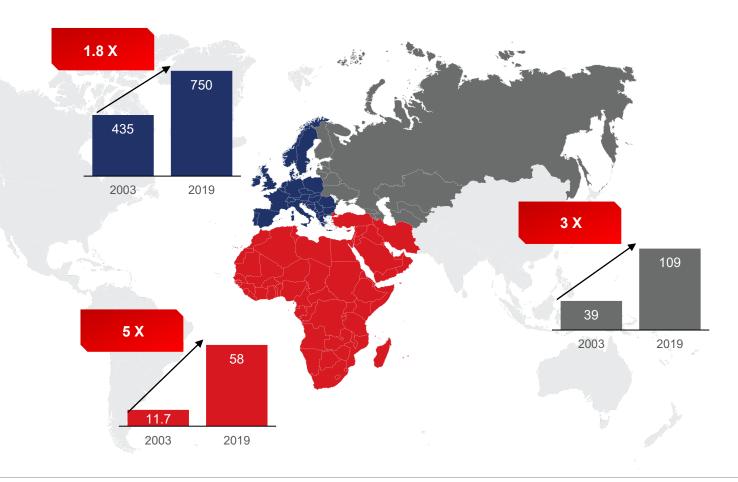
HIGHEST GROWTH **MARKETS**

IN MACHINERY AND IS CONVENIENTLY **POSITIONED AS A**

MANAGING AND **MANUFACTURING HUB**



IMPORT NUMBERS (IN BILLION \$)



メジャープレイヤー

機械セクター 1万7千社、外資系も含む



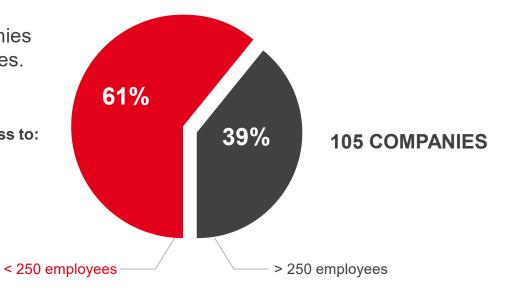


販売高の60%が中小 企業によるもの

75% of the companies have <10 employees.

Growth requires access to:

- Market
- Technology
- International finance



トップ25社のうち外資系が10社 外資系の輸出比率は40%

40% **EXPORT ON AVERAGE**



























































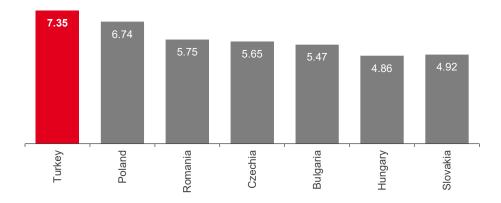


労働力:コスト競争力は十分 スキルも高い



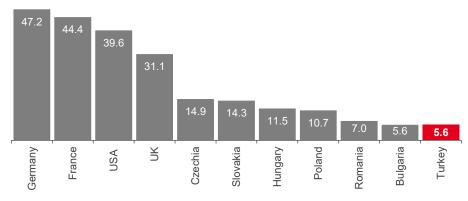
AVAILABILITY OF MANAGEMENT/ENGINEER 2020

(10=Available; 0=Unavailable)



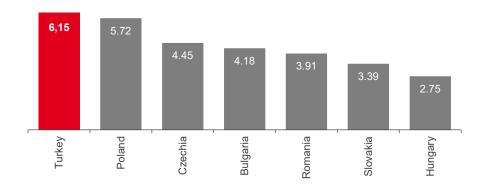
LABOR COST PER HOUR IN MANUFACTURING

\$, 2018



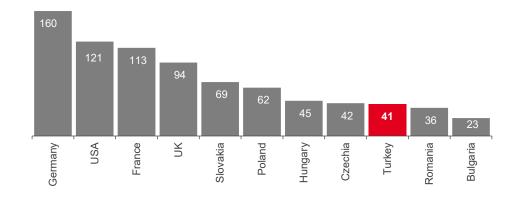
AVAILABILITY OF COMPETENT SENIOR MANAGERS 2020

(10=Available; 0=Unavailable)



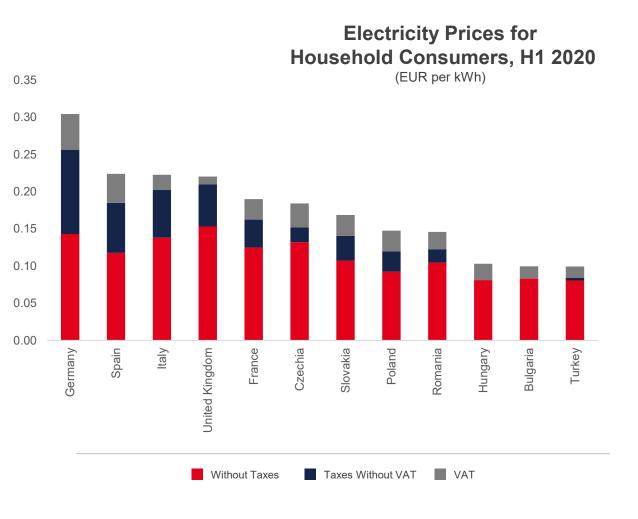
REMUNERATION OF MANAGEMENT/ENGINEER

Total base salary plus bonuses and long-term incentives \$K, 2018



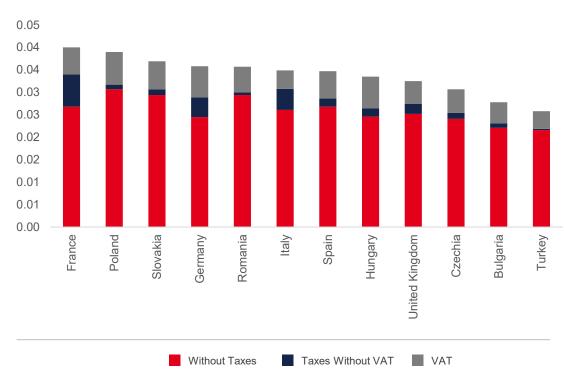
電気、ガスのコスト競争力





Natural Gas Prices for Non-Household Consumers, H1 2020

(EUR per kWh)



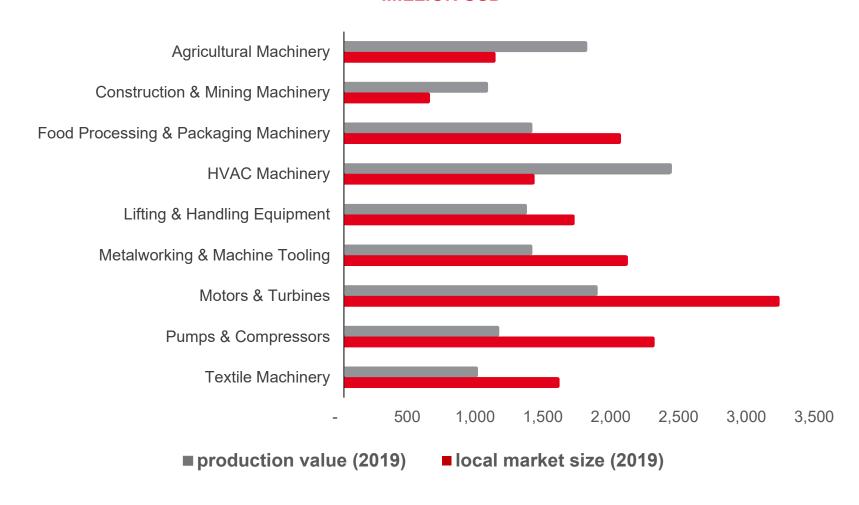
Source: Eurostat, All taxes and levies included

invest.gov.tr | 18





MILLION USD



Source: MAKFED analysis 2019 values invest.gov.tr | 25





Strong industrial base - h ラクター 生産台数はヨー ロッパの10%強、2020年に5 万台。



Strong local market ートラク ター国内市場は2020年4万8千 台、ヨーロッパで最大規模。



輸入の 70% は高価格帯トラク ター、バーベスター。



2万2千人を雇用



輸出の40%は北米、同じく40%がヨーロッパ向け。

DRIVEN BY TURKEY'S AGRICULTURAL **ECODEMANDNOMY AND FRAGMENTED STRUCTURE:**



Agricultural GDP USD 80 Billion



Agricultural land 23 Million ha



Arable land 6.1 Million ha



Average enterprise size 7,6 ha







TAFE じいりつけつ. TürkTraktör











SONALIKA







Strong local market – 建設産業は中国、インドに続いて世界3位の成長



国内生産35%、輸入65%。



国内向け6億ドル、輸出14億ドルの生産規模はヨーロッパ10位。



Strong & international supplier base 自動車産業の基盤によりサプライチェインが充実



公共投資と都市化が需要を牽引。



国際競争力のあるコントラクター が需要の基盤。

- 44 contractors in ENR250 list









































建設・鉱業分野



過去5年間に USD 1000億ドルのインフラプロジェクト









2023年迄に**+ USD 3250億ドル**













エネルギー関連分野

再生可能エネルギー分野に注力



KEY FACTS



欧州で5場目の市場規模 年率5.3%で成長



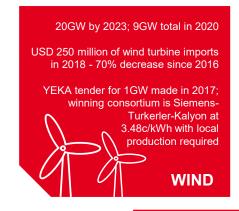
過去10年間で750億ドル の投資

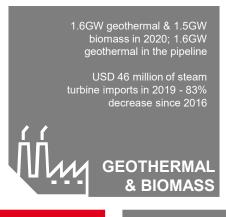


電気の需要は今後10年間で 50%増。再生可能エネルギー、国産エネルギーに注力。



水力も引き続き重要。風力発 電、地熱などの設備需要も増





34GW by 2023; 31GW

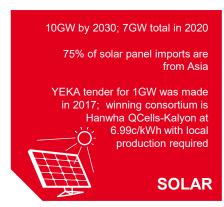
USD 39 million of hydro

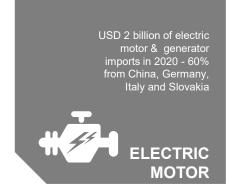
turbine imports in 2019 -

44% decrease since 2016

total in 2020

HYDRO







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NUCLEAR

市場規模 USD 20億ドル 2019



KEY FACTS



トルコは農業大国、食品産業クラ スターも充実。20億ドル規模がイ スタンブール、アンカラ、イズ ミール、コンヤ、ガジアンテプに。



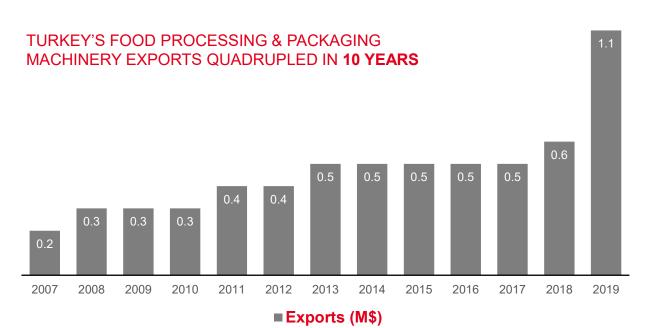
食品輸出160億ドル/2019年。



食品加工・包装関連機械輸入は180億



食品多国籍企業の製造拠点。 Unilever, Kraft, Nestle, Danone, Ferrero等。



...WHERE 80% OF EXPORTS **ARE MACHINERY FOR**



Processing & milling of grains and cereals



Industrial preparation of food or drink



Milking machines and dairy machinery

...AND TOP5 **EXPORT MARKETS ARE**



UZBEKISTAN



IRAQ



KAZAKHSTAN



IRAN



ROMANIA

















Strong industrial base - 32億 ドルの生産規模- Europe's manufacturing base for panel radiator, boiler and AHU's



Strong local market -Europe's largest split AC 150 万台、VRF market 25万台



Strong local market - ボイラー は欧州4位、130万台。



住宅建設が需要を牽引。 商工業用も効率規制による需要 が牽引。



VRF 市場は6倍に伸長。 hightech productionの需要大。



トルコジェネコンの海外への浸透 が需要を牽引。









SAMSUNG

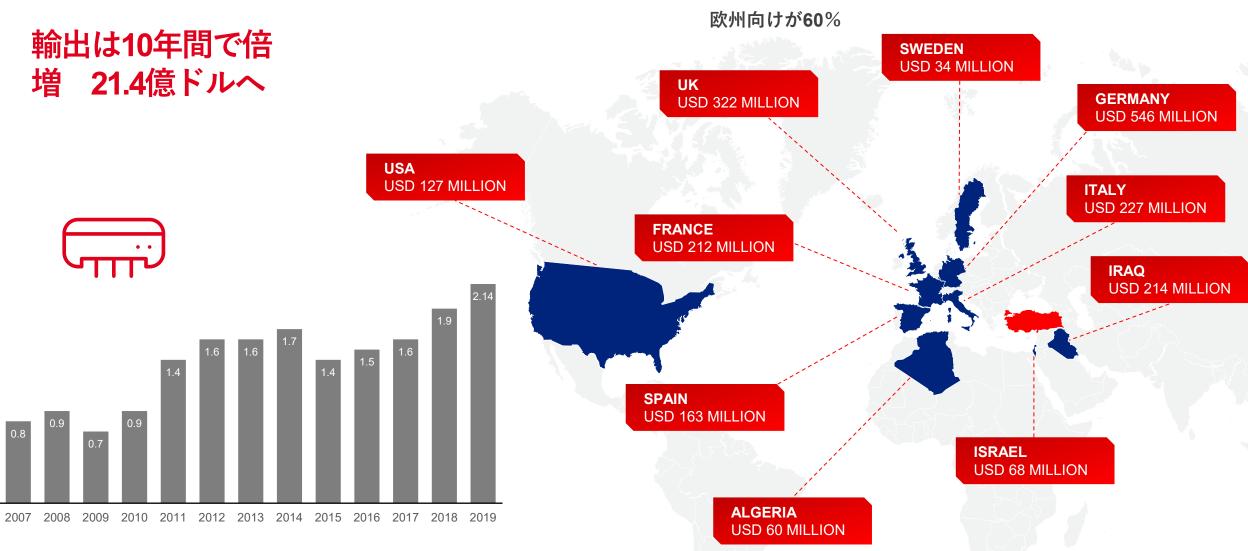
















Strong industrial base – 2019年 に14億ドル生産。



Istanbul, Kocaeli, Bursa, Ankara, Konya, Kayseri、Izmir に製造拠点集中。



Strong supplier base - 自動車、 その他産業の充実による。



エレベーターは世界3位の市場規模。 ThyssenKrupp, Otis, Kone, Schindler, Hyundai など。



エスカレーターは世界2位の市 場規模、年間2千か所。



Opportunity for assembly and manufacturing of parts



Strong local market – 民生用産 業用ともに需要増。







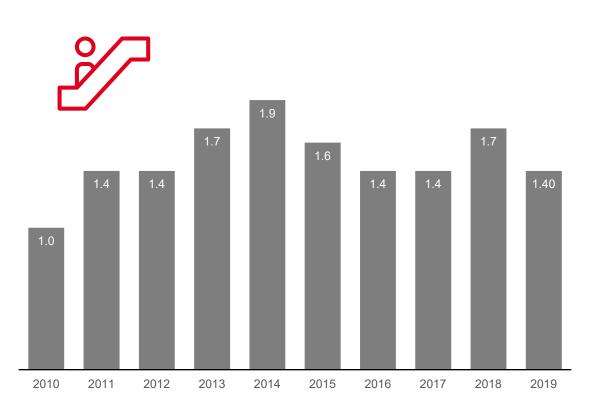


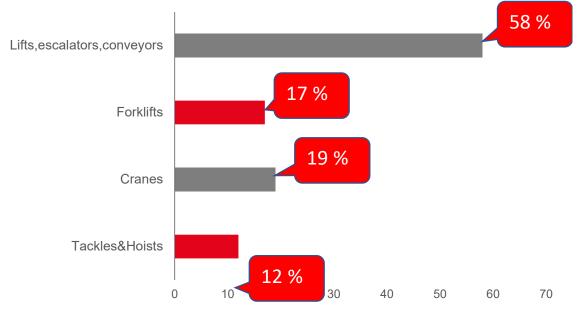
昇降・マテリアルハンドリング





生産額 14億ドル (2019)





市場規模 USD 21億ドル 2019 世界11位



KEY FACTS



Strong industrial base – 中東欧最大 生産規模、13.6億ド ル(2019年)



Strong in laser machine tools, forging & punching machine tools



輸出は8億4千万ドル、ロシア、 ドイツ、米国、ポーランド、 フランス、カナダなど。



輸入の3分の一は machining centers, lathes - mostly from Germany, Japan and Italy



トルコの主要産業 が需要を牽引

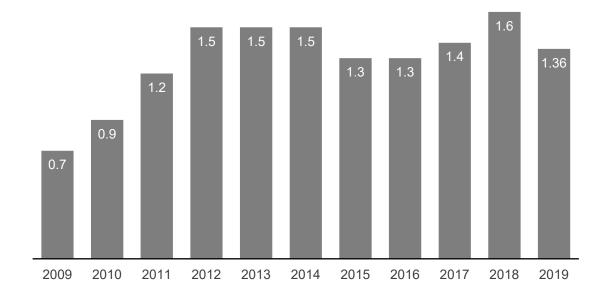








TURKEY'S METALWORKING & MACHINETOOLING 生産は10年で2倍に







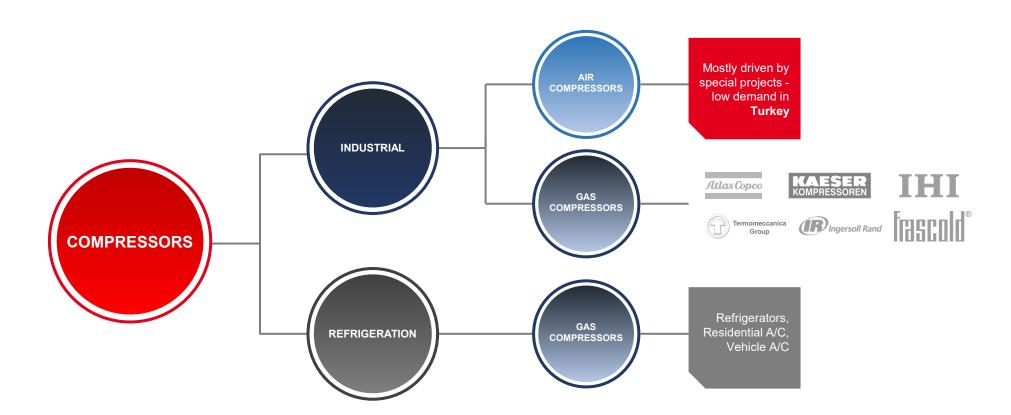
2019年に11億ドル生産、 イスタンブール、コンヤ、イズミールに集中



大部分はSMEs



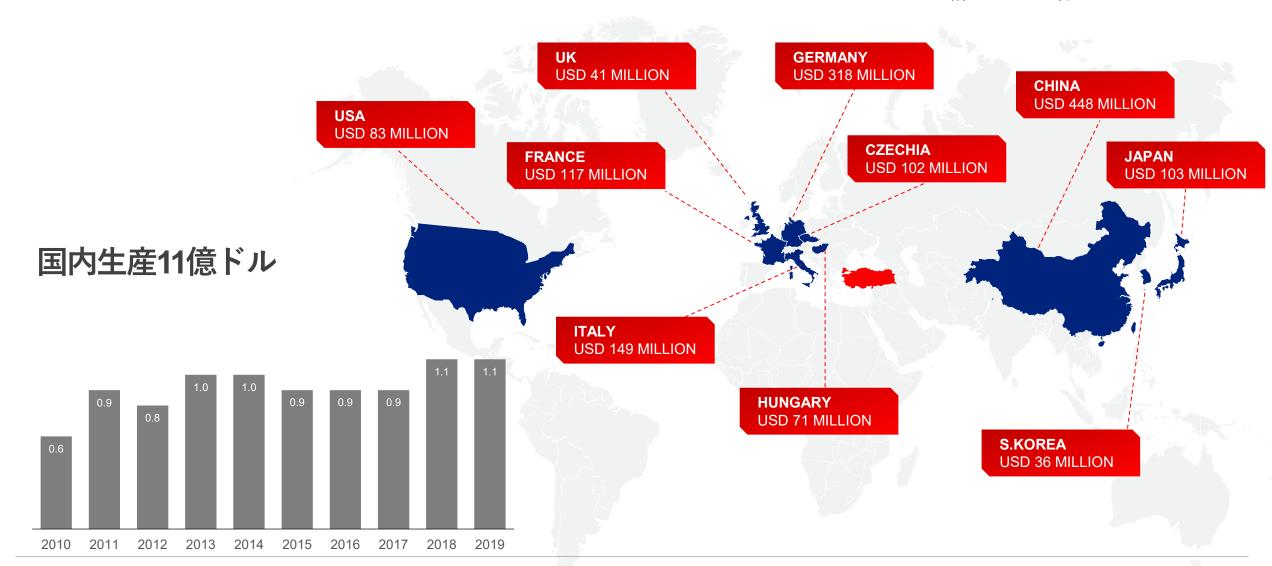
Strong local market - インフラ 投資、製造業、建設、農業が需要 を牽引



ポンプ・圧縮機



輸入 USD 20億ドル



Source: MAKFED analysis 2019 values, press excerpts, Comtrade HS 8413, 8414

Exports (M\$)

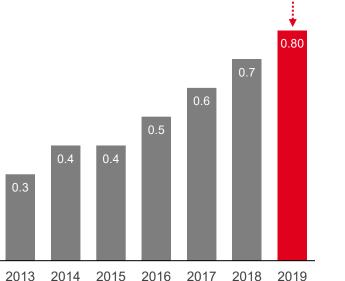
2008

2009

市場規模 USD 16 億ドル 2019



輸出8億ドル 輸入19億ドル



KEY FACTS



Strong industrial base ニット、染色等が主要分野



需要を牽引する繊維製品輸出100 億ドル、欧州が最大輸出先。



中国などアジア産繊維製品との差別化が重要なテー マ、更新需要も大きい



2007



2011

2010

2012





3% of world

exports







他社事例

多くの他計事例



B/S/H/

- The company's brand portfolio includes eleven well-known appliance brands like Bosch, Siemens, Gaggenau and Neff as well as the ecosystem brand Home Connect and service brands like Kitchen Stories.
- 38 production sites in Europe, the USA, Latin America and Asia
- At the end of 2020, BSH employed about 60,000 people worldwide.
- BSH achieved record sales of €13.9 billion in 2020.
- At 5.1 percent of total turnover, R&D spending in 2020 remained high with a focus on digital technologies.
- BSH Turkey produced 5.8 million products from Cerkezköv Factories in 2020. 70 % of the production is exported. BSH Turkey is the first company that exports by rail to China from Turkey.

- · IHI Corporation Japanese corporation that produces ships, aircraft engines, turbochargers, industrial machines, power station boilers and suspension bridges
- Had a revenue of USD 13 billion in 2020 with 30K employees
- Completed projects in Turkey include Golden Horn Bridge, Fatih Sultan Mehmet Bridge, Osman Gazi Bridge and several reinforcement projects
- Formed a JV with Dalgakıran Makine with an investment of USD 14.4 million to produce turbo compressors in Turkey in 2018 (60 employees)
- Uses Turkey as a base for exports to Europe, the Middle East, and other growing markets.



- Japanese multinational electronics and electrical equipment manufacturing company with a total revenue of USD 40.7 billion in 2019
- Operational in Turkey since 2012 especially in air conditioning, elevators and escalators, factory automation systems, visual information systems and transportation systems as well as electrification
- In 2018, opened its first air-conditioner manufacturing plant of Europe in Turkey with an investment of USD 80 million

Putzmeister

- Established in Germany in 1958, its products include plant and equipment for concrete production, truck mixers, plastering machines. concrete injectors and concrete pumps
- Acquired by Chinese competitor Sany Heavy Industries for USD 402 million in 2012
- Manufacturing concrete pumps and mechanical and hydraulic distributors at its Cerkezkoy plant since 2008





- Established in Italy, its products include washing appliances, built-in and small domestic appliances. Had a revenue of 1.1 Billion in 2019
- Manufacturing in Turkey since 2007 at its Eskisehir plant
- Invested EUR 15 Million for the launch of a new plant in Turkey with an employment of 300 people
- Uses Turkey plant as a base for oven and stove manufacturing, built-in appliances and dryers and exports over 90% of its production
- Qingdao Haier completed the acquisition of the Candy Hoover Group in 2019.

FEDERAL-MOGUL POWERTRAIN

- Established in the USA in 1899, its products include pistons, rings&liners, valve seats&quides, engine bearings and sealing
- Tenneco completed the acquisition of Federal-Mogul in 2018. Tenneco is one of the world's leading designers, manufacturers and marketers of automotive products for original equipment .Tenneco had \$15.4 billion revenue in 2020.and approximately 73,000 employee.
- Operational in Turkey since 1998, currently has two facilities with a total employment of 1600 people
- Has invested a total of EUR 400 million in Turkey by 2017
- 80% of the piston production is exported to Europe and USA as original equipment



Contact

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