

AYGAZ

INVESTOR PRESENTATION

February 2022



 **Koç**

AYGAZ

Bu doküman Genel olarak sınıflandırılmıştır. This document is classified as Public.

CONTENT

A Overview

B World LPG market

C Turkish LPG market & Aygaz

D The LPG value chain

E Participation portfolio

F Natural gas

G Other participations

H Financial highlights

I Appendix

J Glossary

K Disclaimer

L Contacts



A

Aygaz overview

LEADING
LPG
DISTRIBUTOR
of TURKEY

2021

₺ 15.9 billion REVENUE

2.2 m tons SALES OF LPG

25.4%* LPG MARKET SHARE

* EMRA Dec-2021

DIVERSIFIED
PARTICIPATION
PORTFOLIO
IN ENERGY

NATURAL GAS

AYGAZ
DOĞALGAZ

REFINERY

Tüpraş

ENTEK

POWER GENERATION

> Overview

SUMMARY FINANCIALS

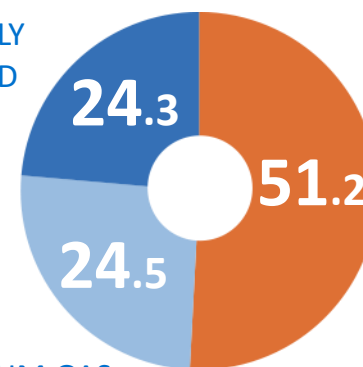
(Cons. In m TL)	2021	2020	2019	2021-2020 Change
Revenue	15,893	10,145	10,211	57%
EBITDA**	705	444	492	69%
Net Profit*	670	-25	273	-
EBITDA Margin	4%	4%	5%	-
Net Profit Margin	4%	-0.2%	3%	4
Volume (000 tons)	2,245	2,150	2,068	4%

* Parent company's share ** Except other income and expenses

SHAREHOLDERS (%)

As of 31/12/2021

PUBLICLY
TRADED



 Koç

KOÇ
GROUP

LIQUID PETROLEUM GAS
DEVELOPMENT CO.

> Core business - LPG distribution

Generic brand for LPG

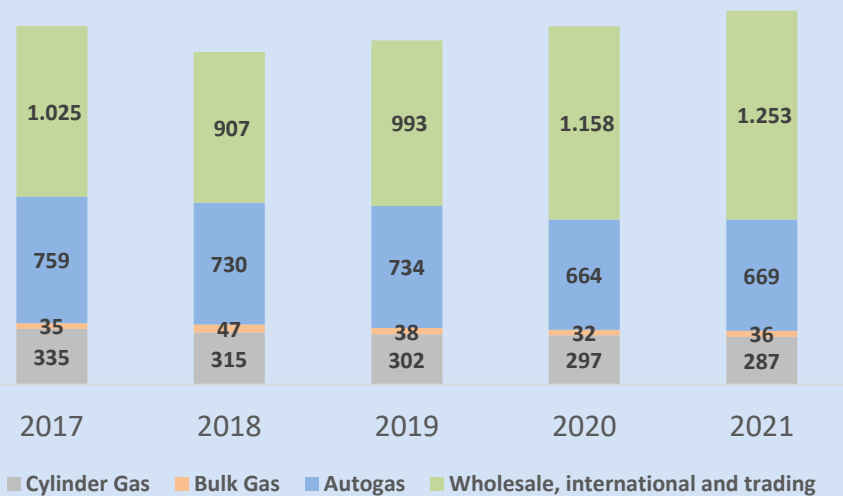
27th largest industrial company of Turkey, as of 2020

Most preferred LPG brand in Turkey since its foundation

Market leader with 3 brands

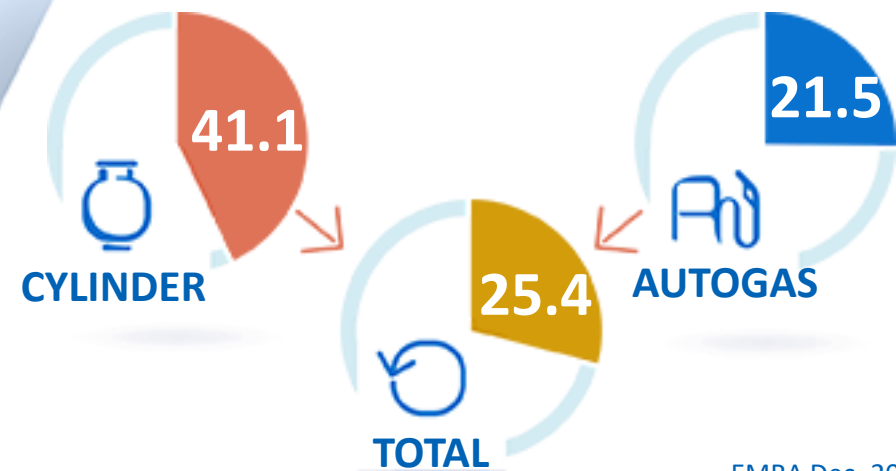
AYGAZ **Mogaz** **Lipetgaz**

AYGAZ VOLUMES (000 tons)



EMRA, Aygaz

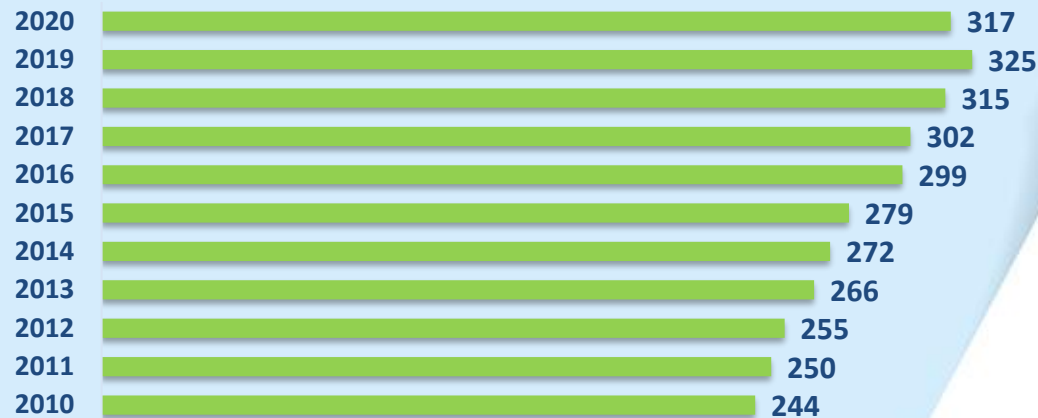
MARKET SHARES (%)



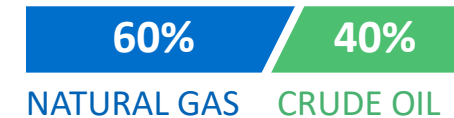
EMRA Dec -2021

B World LPG market

WORLD LPG CONSUMPTION (m tons)



- Despite the consistent growth for a decade, global LPG demand contracted by 2.6% YoY in 2020 due to pandemic effects.
- 300 billion USD business size worldwide
- Sources of LPG production;



LPG AS A COMMODITY



Mixture of Hydrocarbons (Butane and Propane)



Portable and versatile



Low GHG Emission; Eco-friendly



Diversity of Supply sources; Abundant reserves



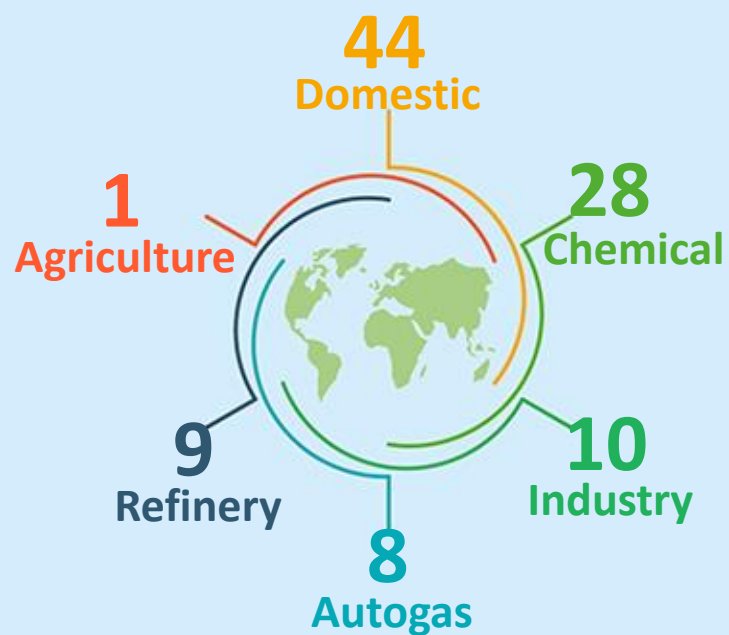
Cleaner, safer And cheaper at home & transportation

WLPGA Statistical Review of Global LP Gas Report, 2021



World LPG consumption

World LPG Consumption
By Sectors (%)



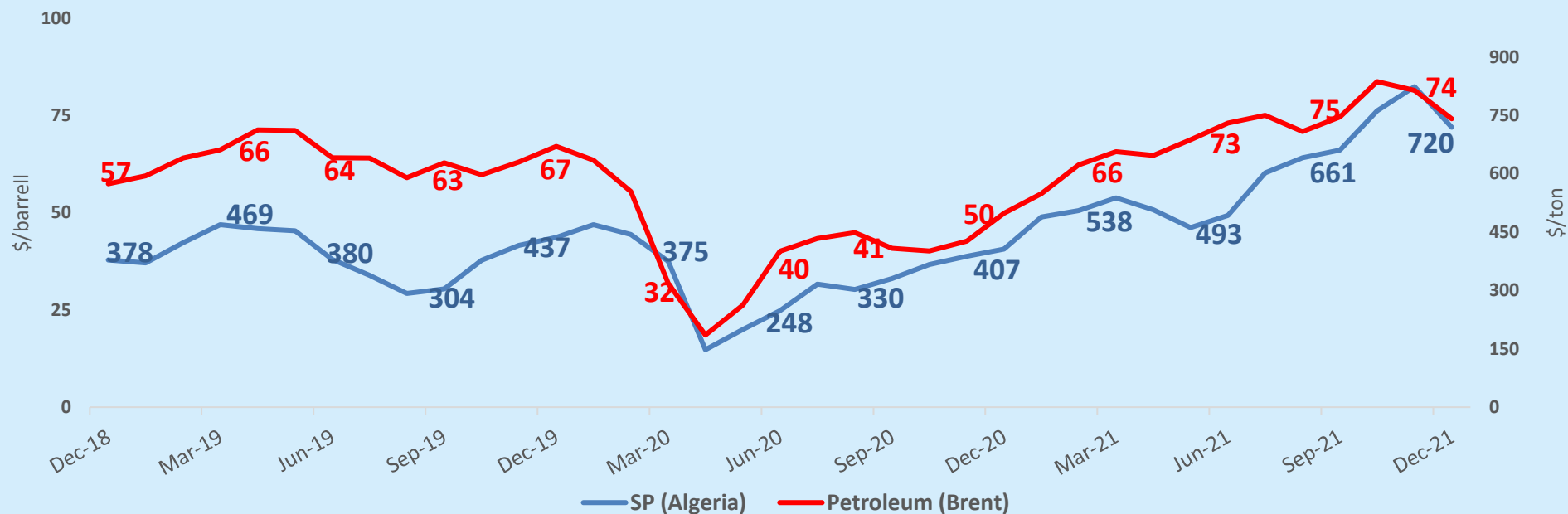
World LPG Consumption
By Regions (%)



WLPGA Statistical Review of Global LP Gas Report, 2021



Prices of LPG and brent

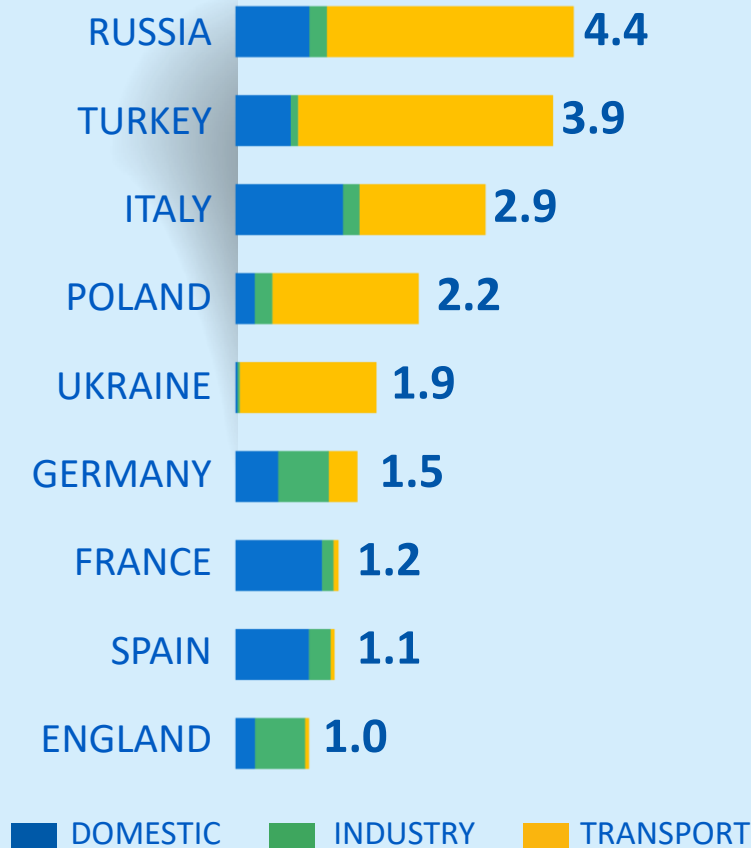


- There is a correlation between LPG and oil price
- Seasonality can also affect LPG price
- December 2021 Sonatrach LPG price is at 720 USD/ton and up by 9% compared to September 2021 and 77% higher than December 2020 level.

Sonatrach / Market data

C Turkish LPG market

LPG consumption in Europe (m ton)



WLPGA Statistical Review of Global LP Gas Report, 2021

3.9 m tons #2 in Europe #10* in the World

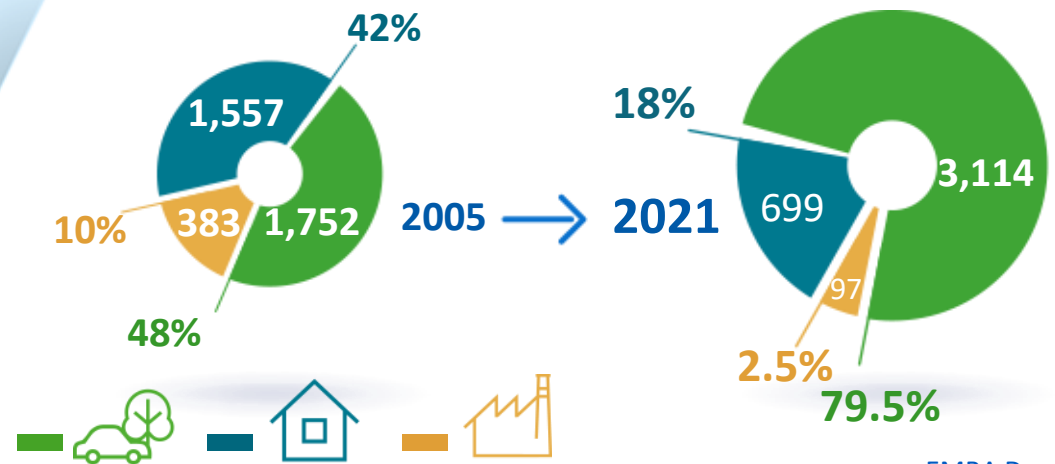
~90 distribution companies

Leading 3 players in the cylinder market and first 8 players in the autogas market hold over 80% of the total market

Liberal market with regulatory body-EMRA

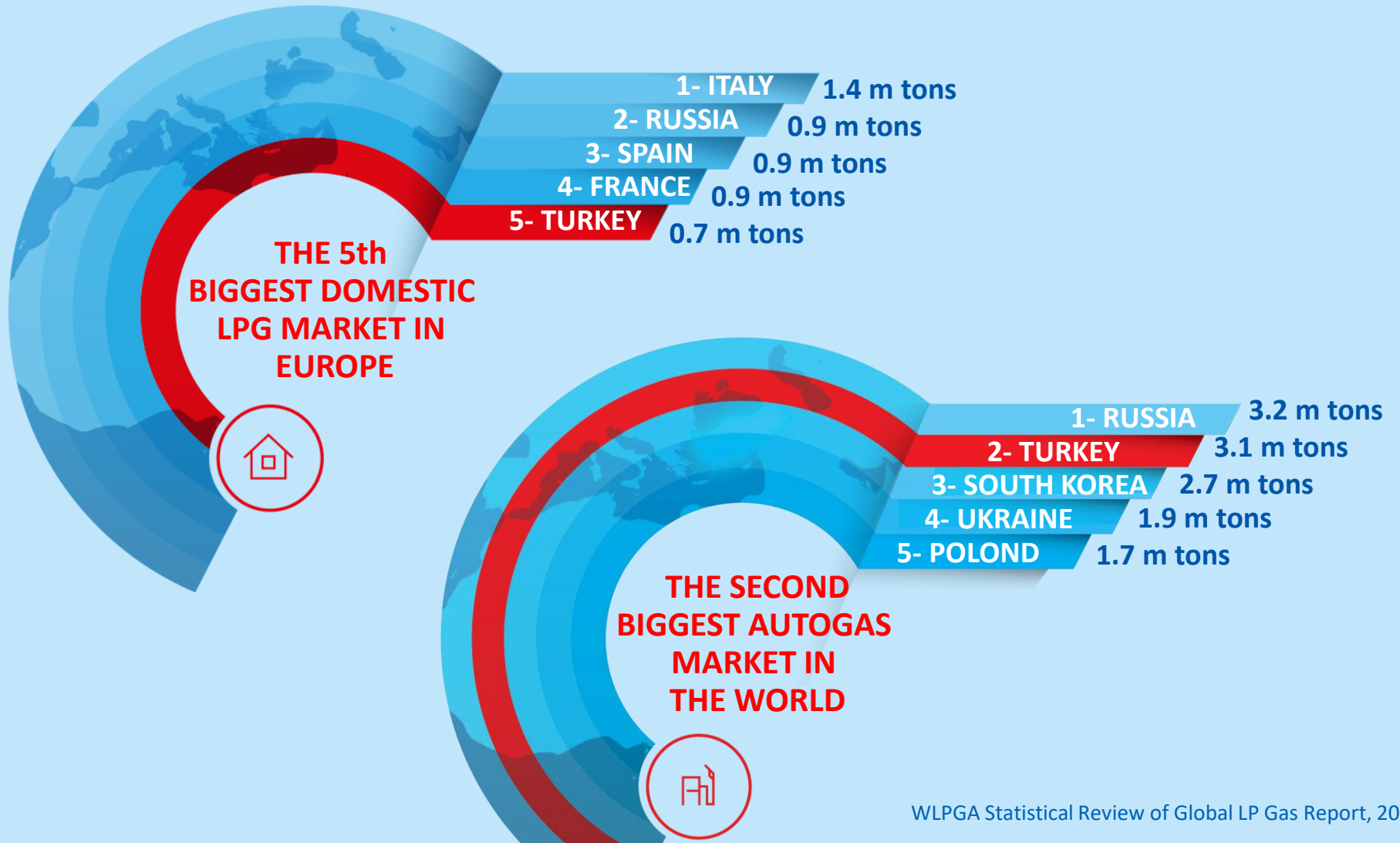
* when p. chemical and refinery is excluded

EVOLVING FROM CYLINDER TO AUTOGAS (000 tons)



EMRA Dec-2021

> LPG market ranking

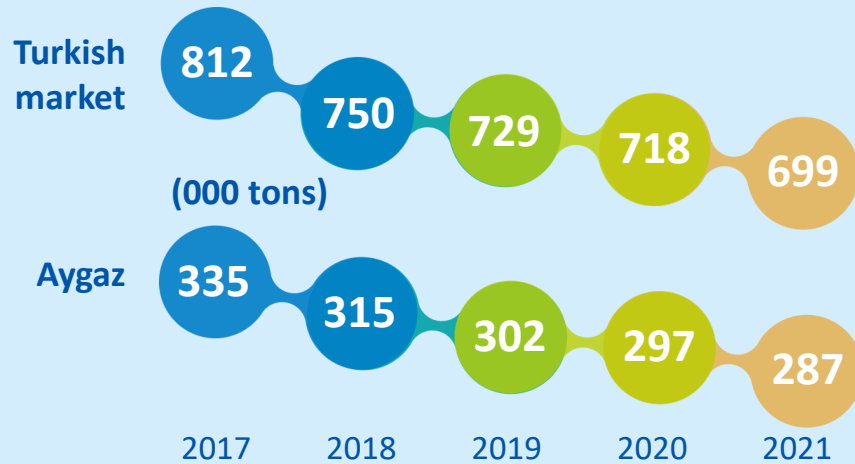


WLPGA Statistical Review of Global LP Gas Report, 2021

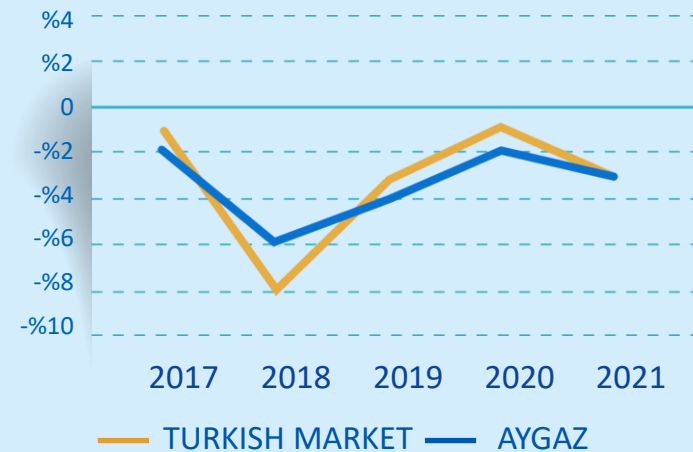


> Cylinder market starting to stabilize

CYLINDER MARKET



RATES OF CHANGE (YoY)



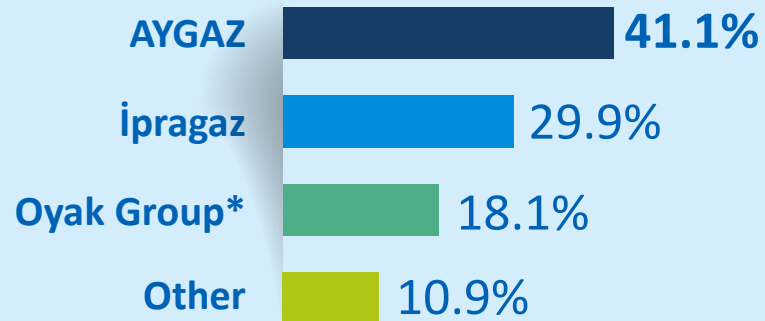
General factors affecting cylinder market;

- Pressure on demand due to rising LPG prices
- Continuation of natural gas grid expansion despite deceleration
- Effects of urban transformation
- Contraction in commercial sales

> Leader of cylinder LPG market



CYLINDER MARKET SHARES



**Milangaz, Güneş Gaz and Likit gaz

- Generic brand
- Market maker
- Largest dealer network with high sales efficiency
- 60% market share in residential use
- Fully integrated production cycle; Cylinder and gas appliances factory in Gebze plant
- Aygaz Ekspres; digital solutions for optimizing dealers' business&delivery

Aiming to maximize customer satisfaction&loyalty

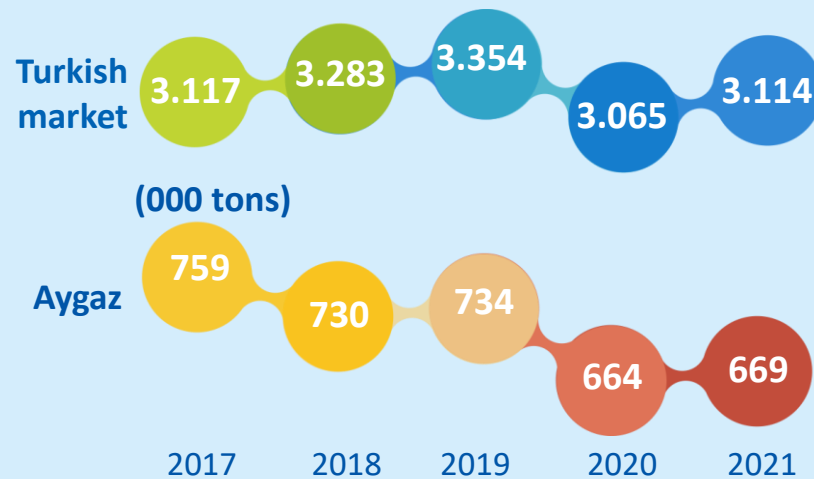
2021	Number of dealers	Sales Volume (tons)	Avg dealer sales (tons)
Aygaz cylinder dealers	2,259	287,306	127
Total cylinder dealers	6,110	699,062	114

Dec- 2021 EMRA data

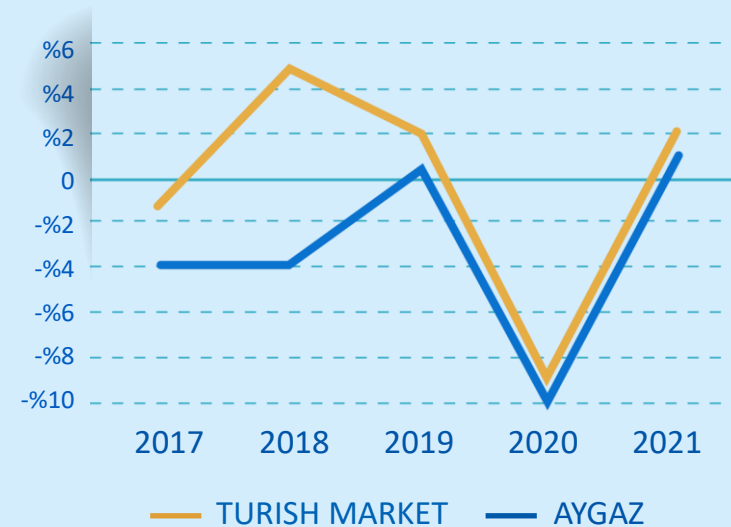


World's 2nd biggest autogas market

AUTOGAS MARKET



RATES OF CHANGE (YoY)

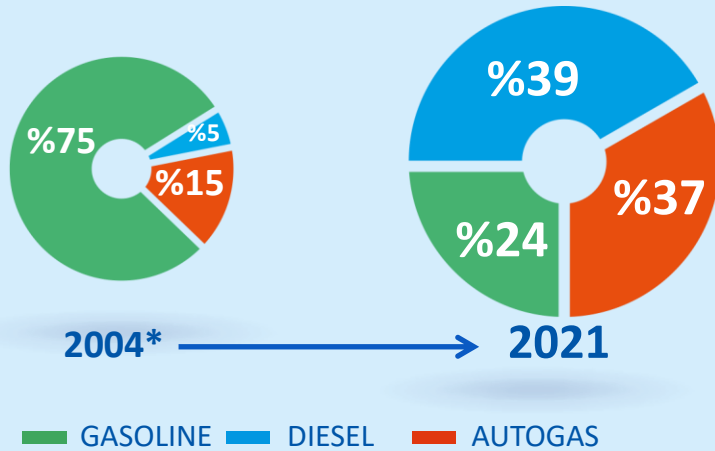


Factors affecting autogas market;

- 30% more economic on average compared to gasoline.
- Fierce price competition among national and local players
- Increasing interest of car manufacturers to LPG and conversions with car guarantees

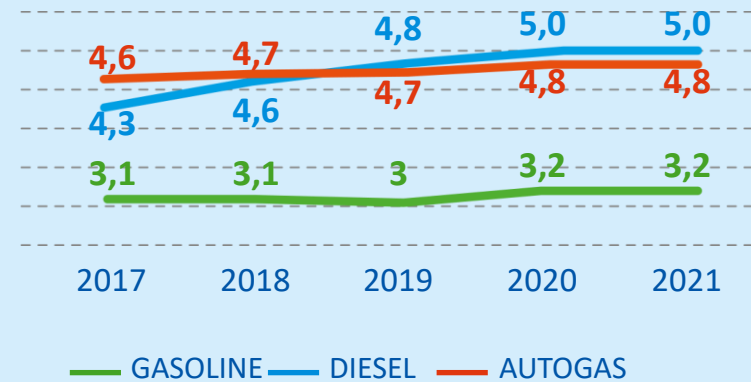
> Autogas; most widely-used passenger car fuel of Turkey

RATIO OF CARS REGISTERED TO TRAFFIC ACC. TO FUEL TYPE



* Fuel type unknown: 5%

TURKISH CAR PARK (m cars)



CAR OWNERSHIP PER PERSON

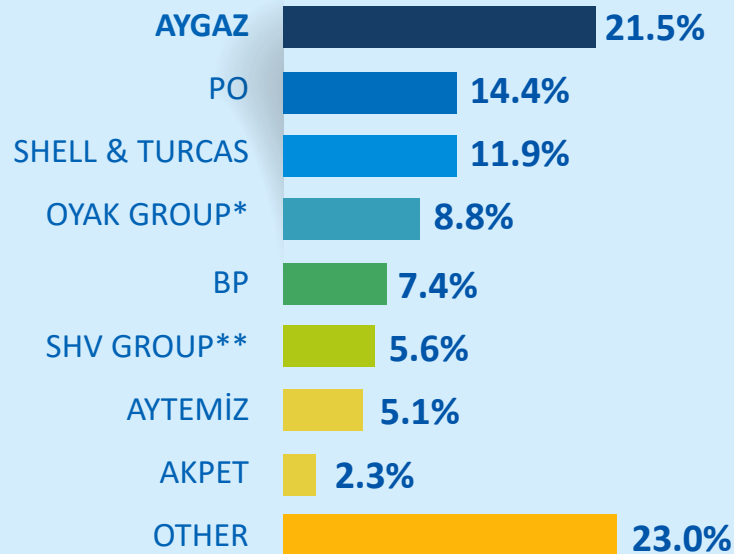


- Largest LPG vehicle fleet in the world; 16% of the world
- Approx. 11,000 autogas stations all over Turkey

TÜİK, ACEA

> Leader of the autogas market in Turkey

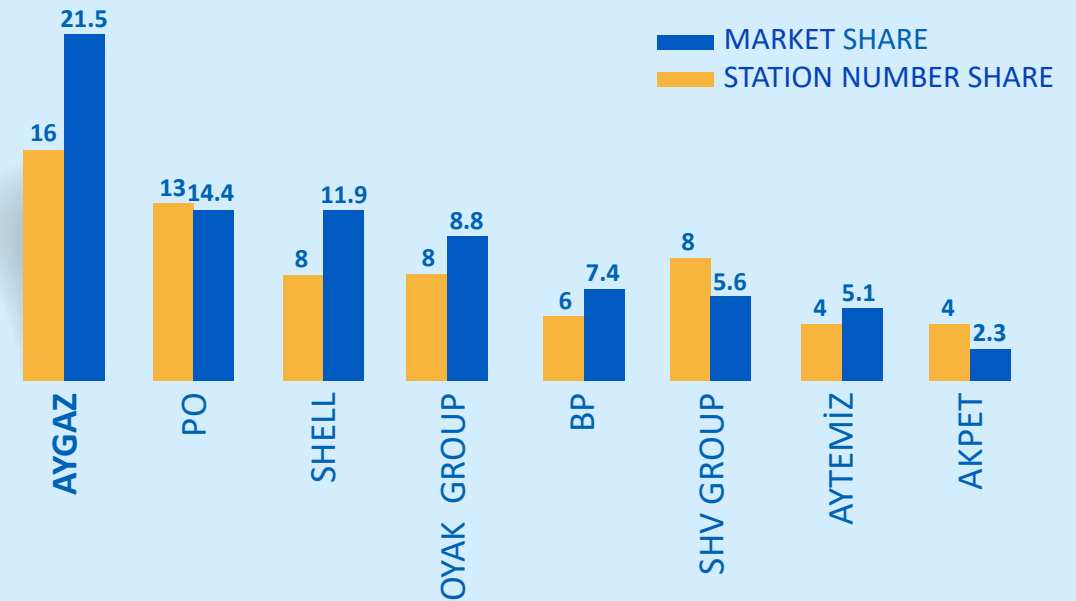
AUTOGAS MARKET SHARES



*Likitgaz, Milangaz & Güzel ** İpragaz & Yıldırım

- Largest dealer network with high sales efficiency
- Creating network synergy with sister company Opet
- Core business is LPG unlike other fuel distributors

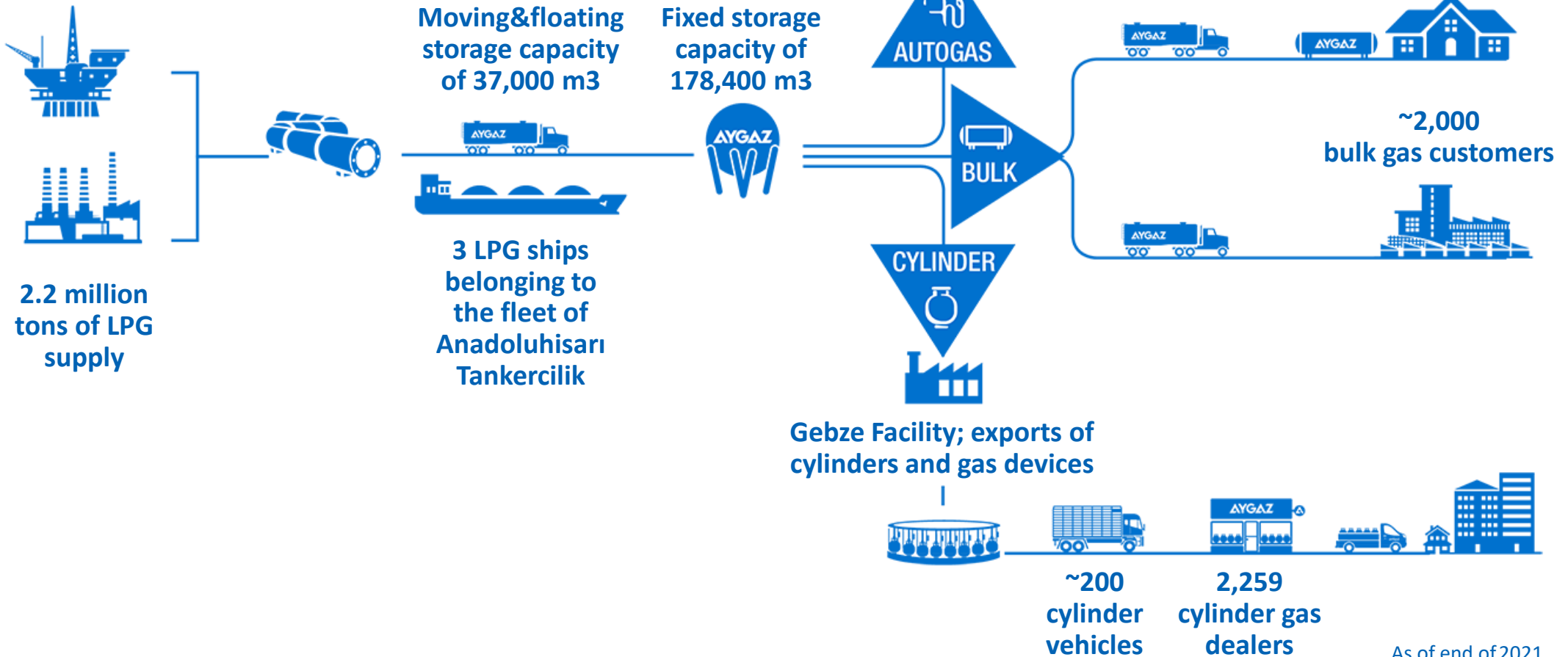
MARKET SHARE & STATION NUMBER SHARE (%)



	2021	Number of dealers	Sales Volume (tons)	Avg dealer sales (tons)
Aygaz autogas dealers		1.781	668.539	375
Total autogas dealers		10.806	3.114.056	288

EMRA December 2021

D The LPG value chain



As of end of 2021



Competitive supply chain



BIG PLAYER

- #1 purchaser in Mediterranean
- #1 importer in Turkey
- #1 LPG exporter in Turkey
- #1 storage owner in Turkey
(~24% of TR)



ADVANCED MODEL

- Direct imports to 5 different locations
- Most diversified supply portfolio in Turkey
Diversified supplier & origins
Diversified supply pattern (ex-refinery, FOB, CIF)
- Only company in Med capable of discharging a VLGC in single port



FLEET MANAGEMENT

- Top-notch LPG fleet owner
- Total capacity: 28,800 cbm, Average age: 15 yrs
- Single LPG vessel charterer (in/out) in Turkey
- Reduces logistics costs
- Provides flexibility in sourcing and inventory management

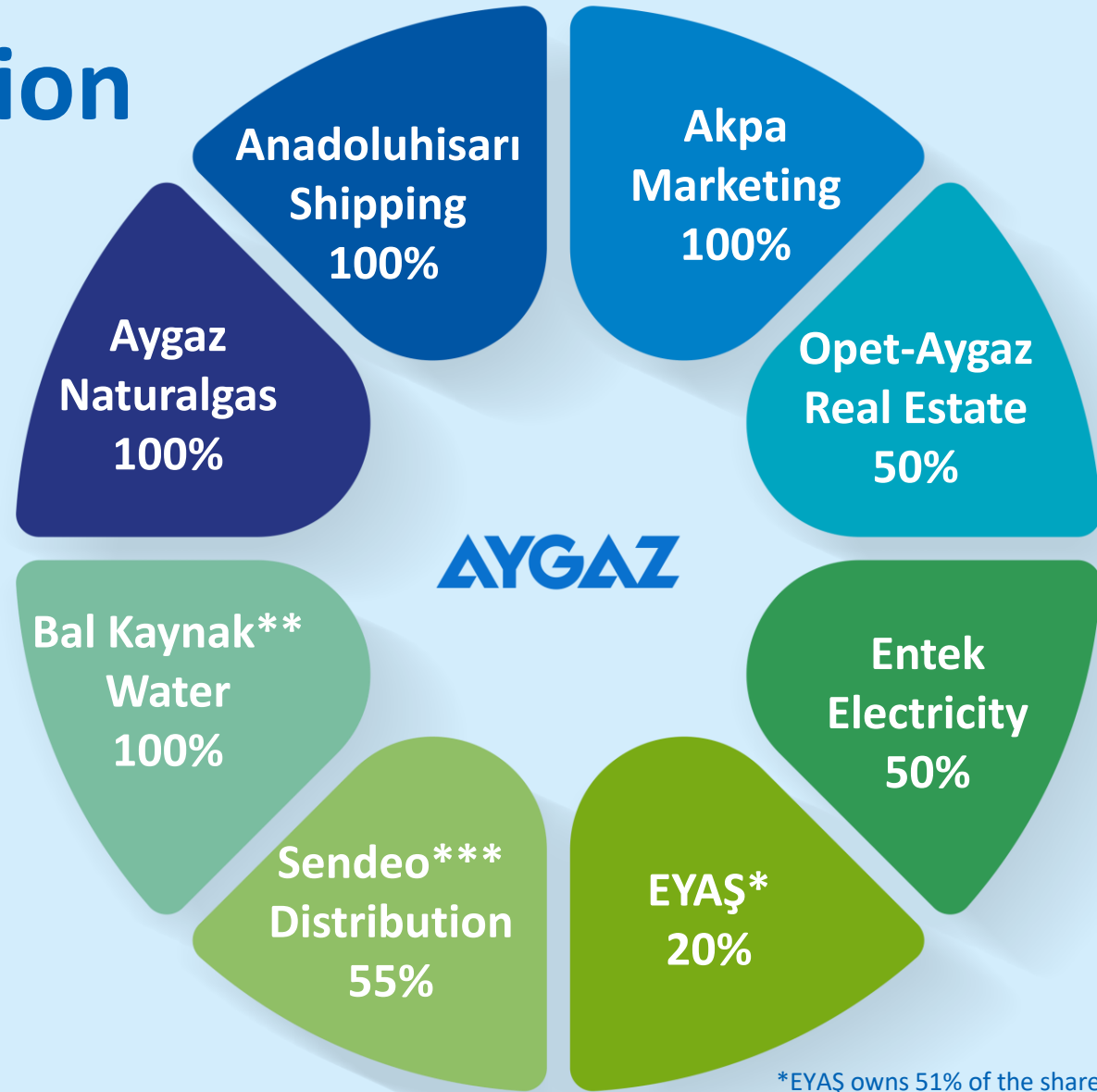


OVERLAND TRANSPORTATION

- Biggest LPG truck fleet in Turkey
>500 vehicles
- Transporting 1.4 million ton/year
- 45 million km/year



E Participation portfolio



*EYAŞ owns 51% of the shares of TÜPRAŞ

** 100% of the company shares are owned by Aygaz A.Ş.'s full subsidiary Kuleli Tankercilik A.Ş.

*** Previous title: Aygaz Aykargo Dağıtım Hizmetleri A.Ş.

Financial Investments: Koç Finansal Hizmetler A.Ş. (3.93%), Ram Dış Ticaret A.Ş. (2.5%), Tat Gıda Sanayi A.Ş. (0.08%)

F

Natural gas

AYGAZ
DÖĞALGAZ

LNG SALES



Transportation
and regasification



15% market share,
300 industrial
customers

2021 sales:
82 mcm

PIPELINE NATURAL GAS SALES



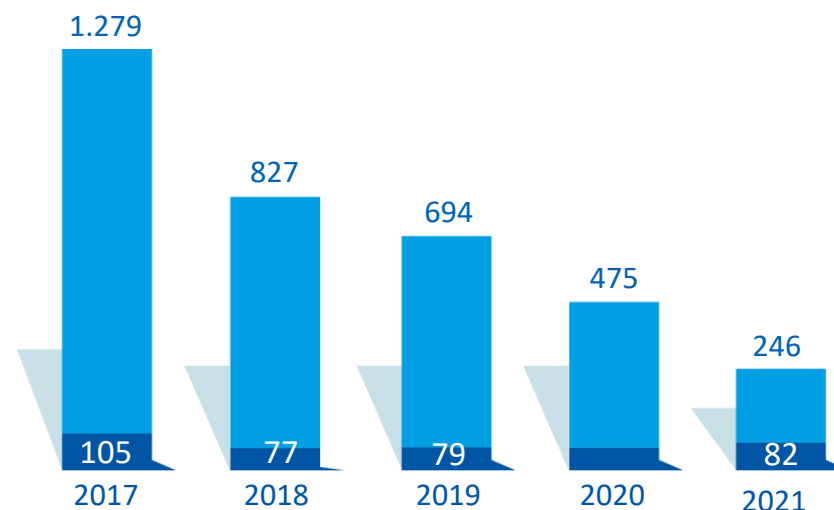
Started in
2010

2021 sales:
246 mcm

PROJECTS

LNG & Pipeline gas import

SALES VOLUME (mcm)



■ LNG SALES

■ PIPELINE NG SALES

G

Other participations

POWER GENERATION



TOTAL INSTALLED CAPACITY: 436 MW

Natural Gas

Combined Cycle (NGCC): 112 MW

8 Hydro Assets: (HEPP): 265 MW

Wind powered plant 60 MW

STRATEGY

Selective growth depending on opportunities and liberalization in the market

SALES AND MARKETING

Direct sale of cylinder gas and carboy water throughout Turkey

Fuel trade at its fuel stations

akpa

OPET AYGAZ GAYRİMENKUL

Founded in 2013 as a 50-50 partnership with Opet to purchase real estate and manage or lease these properties as fuel or autogas stations

Currently owns 21 stations





Long term strategic plan of Aygaz

NEW BUSINESS MODELS

To develop new business lines through utilizing Aygaz brand and platform



TURKEY LPG SUPPLY&DISTRIBUTION

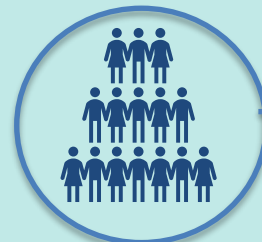
To create sustainable value while keeping our leadership in Turkish LPG market

OVERSEAS LPG SUPPLY&DISTRIBUTION

To become an international LPG player

> Bangladesh Investment - *United Aygaz LPG Ltd.*

- Bangladesh average GDP growth rate between 2015-2020 is 11% and it is one of the most densely populated countries in the world.



165 million



Bangladesh LPG Market

148 K ton

2015



CAGR 53%

1.2 million ton

2020

85% domestic consumption

- Aygaz aims to operate in supply, filling and distribution of LPG through a green field investment.
- Aygaz's partner, **United Enterprises & Co. Ltd. (UECL)** was established in 1978 and has become one of the pioneering companies in the country. UECL has a diverse investment portfolio spanning from power generation to healthcare, education, real-estate, construction, port, yarn spinning, specialized services, shipping, mineral oil distribution and logistics among others.
- The critical success factors for Aygaz within this investment stand out to be its **60 years** of expertise in the sector, brand power and the supply and operational advantages that are planned to be created. WLPGA, World Bank

> Bangladesh Investment – *United-Aygaz LPG*

- Bangladesh LPG market reached 1.2 million tons in 2020 up by 28% YoY which makes it the fastest growing LPG market in the world with a CAGR growth rate of 52% for the previous 5 years.
- Initial facility investment in Chittagong including sphere and cylindrical tanks, LPG filling systems and equipment that started in May 2021 is ongoing as planned. Shipment of 100 thousand cylinders out of 200 thousand cylinders ordered to Aygaz Gebze Plant have been completed.
- Work towards forming a dealer network is carried out in Chittagong and Dhaka and we have agreed with 8 dealers for the initial roll out of cylinder business. It is targeted to start cylinder filling and sales operations in the last quarter of this year.



Bangladesh



United-Aygaz Chittagong Facility Land





Parcel Delivery- Sendeo Dağıtım Hizmetleri A.Ş.

(previous title: Aygaz Aykargo Dağıtım Hizmetleri A.Ş.)



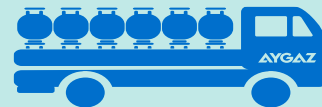
- Turkish e-commerce sector had grown by **35%** on average between 2015 and 2019. In 2019 sector growth reached **39%** YoY. In 2020 it is further up by **66%** YoY with the impacts of the pandemic.
- Cargo distribution business, which continues to grow rapidly in line with the e-commerce, is a business line where Aygaz aims to create additional value by utilizing its current assets. These assets can be listed as its **brand power**, **widespread dealer network**, **facility infrastructure** and **home delivery expertise** that is currently reaching 50 thousand houses on daily basis.



*Facility
infrastructure*



*Strong dealer
network*



*Home delivery expertise
reaching 50,000 houses daily*



- **B2C** segment including the end-user delivery is the primary focus which is expected to increase its portion in cargo sector.



Aygaz key takeaways

Consistent
Market
Leader



Brand
Power

Strong Sales &
Logistics Network

Long-term
Strategy
Builder



Diversifier
& Portfolio
Investor

Financial
Strength

STRATEGIC PRIORITIES

Sustain its market leadership in LPG by;

- Investing in the future with the responsibility of being the industry's highly reputable, reliable and consumer-oriented brand,
- Prioritizing high safety standards and product quality,
- Developing innovative products and services with solutions that place innovation and digitalization at the core.

Ensure sustainable growth to move its current position forward by:

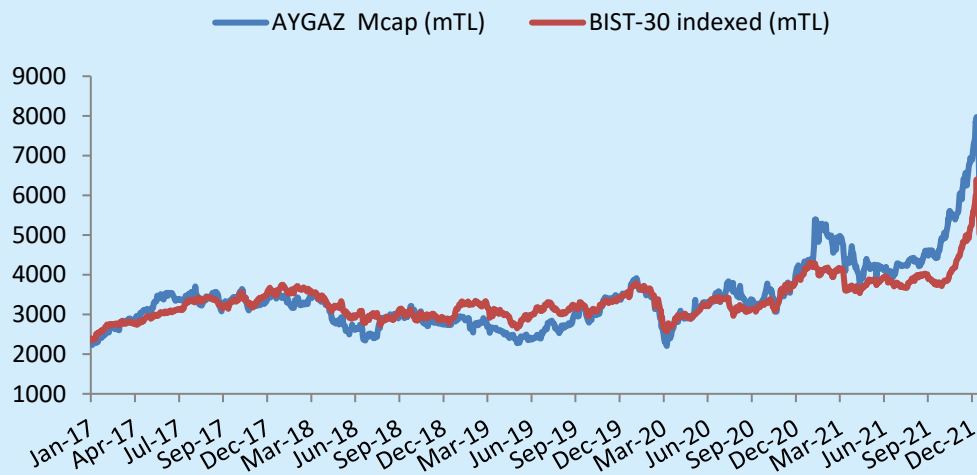
- Following and seizing opportunities for mergers, acquisitions and investments at home and abroad,
- Improving efficiency in all processes from sourcing to selling LPG,
- Aiming to create value for all stakeholders.

> Shareholder value

BIST Code	AYGAZ
Bloomberg Code	AYGAZ.TI
Reuters Code	AYGAZ.IS
IPO Date	13.01.1988
Free Float Rate	24.3%

STRENGTHS

- Sustainable operating profitability from core business; LPG
- Resistant to economic fluctuations and crises
- Regular dividend payments
- Corporate governance practices at international standards;
 - SAHA Corporate Governance and Credit Rating Services upgraded Aygaz's corporate governance rating score to 9.50 on June 21, 2021.



DIVIDEND (m TL)



H Financial highlights

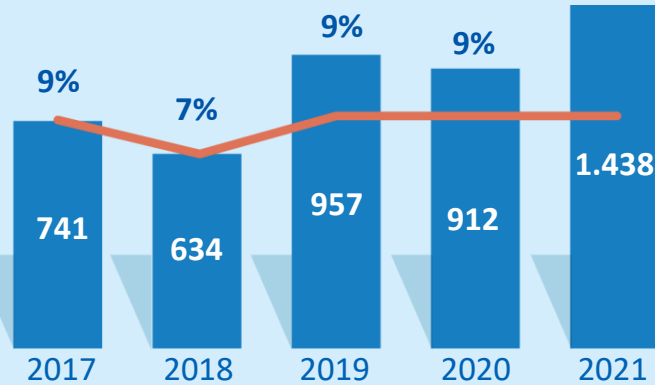


Revenue figure fluctuations are mainly due to;

- FX rate changes
- Commodity price changes

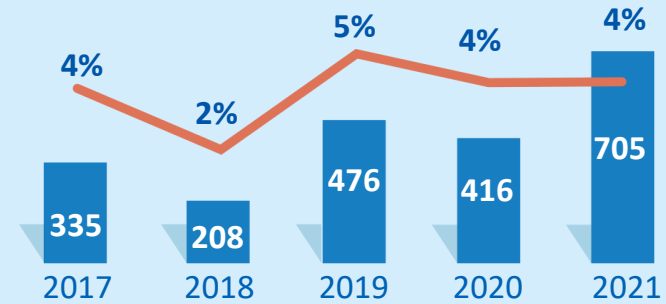
> Financial highlights

GROSS PROFIT AND GPM 9%



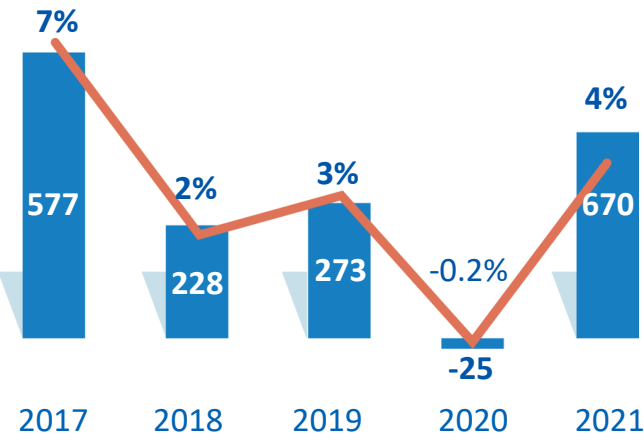
■ GROSS PROFIT ■ GROSS PROFIT MARGIN

EBITDA** AND EBITDA MARGIN



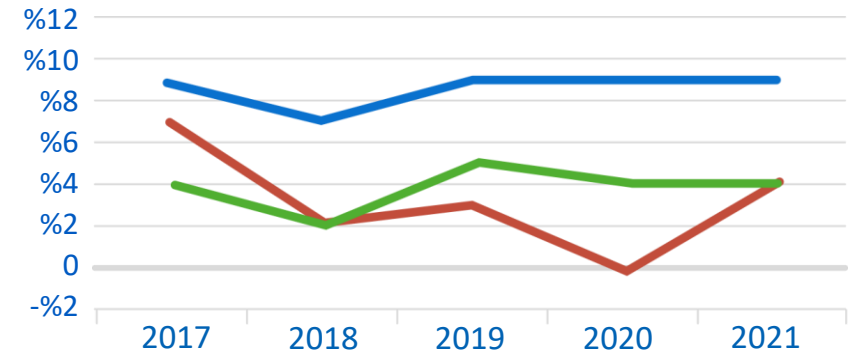
■ EBITDA ■ EBITDA MARGIN

NET PROFIT* AND NPM



■ NET PROFIT ■ NET PROFIT MARGIN

PROFIT MARGINS



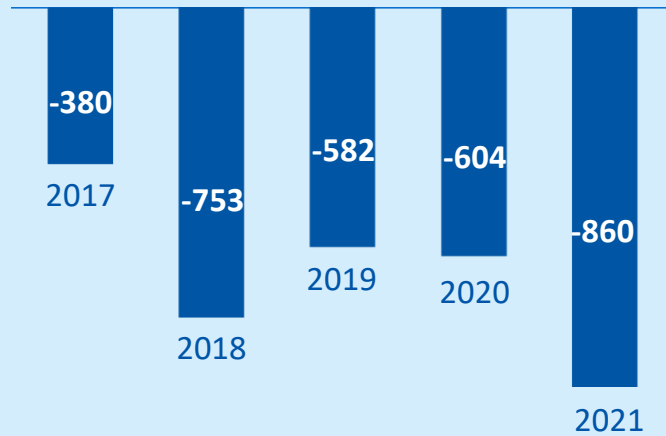
■ GROSS PROFIT MARGIN ■ EBITDA MARGIN ■ NET PROFIT MARGIN

Bar figures: m TRY

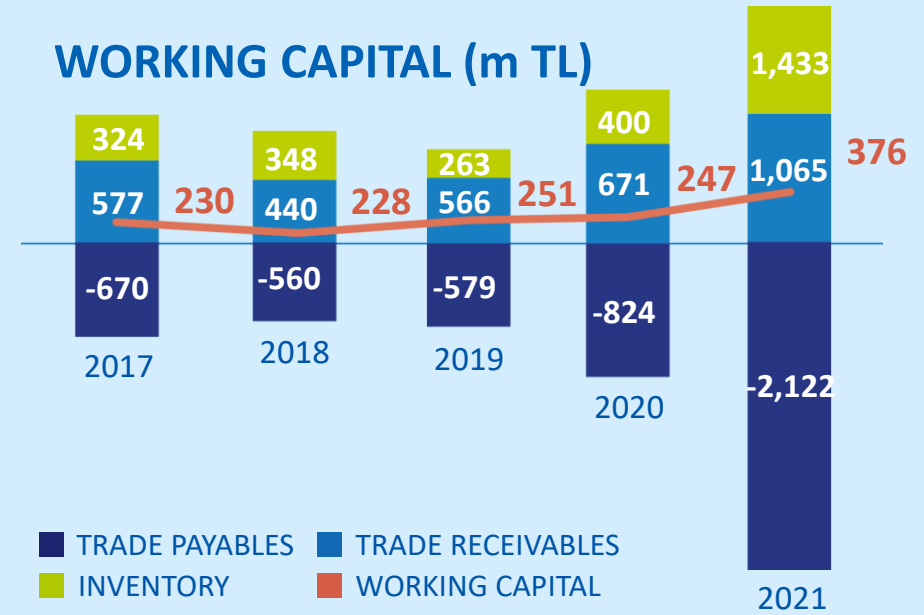
* Parent company's share ** Except other income and expenses

> Financial highlights

NET CASH (m TL)



WORKING CAPITAL (m TL)



CURRENT RATIO



RETURN ON EQUITY

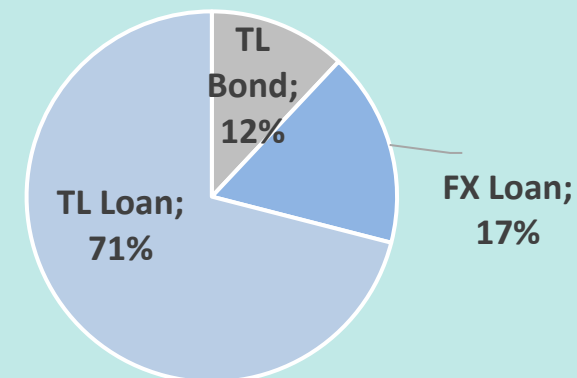




Financial highlights

(m TL)	12M 2021	9M 2021	12M 2020
ST Borrowings	112	108	221
Current portion of LT Borrowings	955	966	346
LT Borrowings	1,486	824	997
Total Financial Debt	2,553	1,898	1,564
Cash and cash equivalents (-)	1,693	1,308	961
= Net Debt	860	589	604

Debt Profile as of 31/12/2021



- Maturity structures of the debts are wide-range and long term.
- FX position is actively monitored and managed including derivatives.

- **Credit Rating:** Our company's credit rating process carried out by JCR Eurasia Rating has been completed and following ratings has been assigned; the Long-Term National Rating "AA+ (Trk) / (Stable Outlook)", the Short-Term National Rating "A-1+ (Trk) / (Stable Outlook)", the Long-Term International (foreign and local currency) Rating "BB / (Stable Outlook)" and the Short-Term International (foreign and local currency) Rating "B / (Stable Outlook)".



Risk Policy

FX & Interest Rate Risk

- Zero FX exposure target after natural hedges (ie. LPG inventories)
- Portfolio with fixed/variable interest rates
- Proactive management of FX and interest rate with derivatives

Leverage & Liquidity Risk

- Limits for financial ratios and active liquidity risk management:
- Net Financial Debt/EBITDA -- Current Ratio -- Share of long term debt
 - Effective management of Net Working Capital

Counterparty & Receivables Risk

- Customer/dealer credit risk assessment
- Collaterals (letters of credit, pledges etc.) to mitigate collection risks
- Deposit is kept within bank based limits

Commodity Risk

- Operational hedge: Optimum stock policy & forward pricing mechanism
- Financial hedge: Expected inventory exposure for the year end is hedged by using derivatives

Operational Risk

- Changes in legislation are monitored
- Compliance and KYC processes are in place



Sustainability Efforts - ESG

- Member of **Koç Group** who has committed to be **Carbon Neutral by 2050** in line with the European Green Deal.
- **LPG** is a cleaner product compared to other fossil fuels and Aygaz's main product line **autogas** offers lower carbon emission.
- First Turkish energy company publishing "B" level sustainability report in Turkey according to **GRI standards**
- Continuously included in Borsa Istanbul **Sustainability Index** since 2018.
- Corporate **Governance** Rating Score of **9,50**
- **Representation of women** 11% within the BoD, 22% within the executive management
- **R&D Center**; the first among the LPG distribution companies in Turkey
- **GreenOdor Project**; patented sulfur-free odorant for LPG - the first in the world- aiming to prevent 40 tons of sulfur emission per year.
- **Cylinder Loading Robot**; the first for the sector, especially in terms of **occupational health and safety**
- Continuous contributor to **Vehbi Koç Foundation**; Turkey's first private foundation focusing on social development
- **"Don't Stay Silent Against Violence!" Project**; as a signatory of the United Nations (UN) Global Compact and Women's Empowerment Principles since 2016, Aygaz launched a communication campaign to draw attention to domestic violence, which saw a rise during the COVID-19 pandemic.
- **Diabetic Children's Camp**; continuous supporter of the Diabetic Children's Camp, organized by the Child and Adolescent Diabetics Association since 2004.
- **"What will the weather be like tomorrow?" Project**; social responsibility campaign launched to raise awareness against climate change.
- **Aygaz Firefly Education Unit**; education program, which included courses such as Algo Digital Information, Enjoy Learning Math, Enjoy Learning Science and Enjoy Learning Hygiene
- **Aygaz Library**; project that Aygaz brought to life with the aim of putting together the cultural and historic heritage of its geography with writing and imparting them onto future generations.



Appendix

1 Income statement summary

(m TRY)	2017	2018	2019	2020	2021
Revenue	8,469	9,554	10,211	10,145	15,893
COGS	(7,728)	(8,920)	(9,254)	(9,233)	(14,455)
Gross Profit	741	634	957	912	1,438
Operating Profit	265	71	365	288	418
Profit Before Tax	621	250	306	31	697
Net Profit*	577	228	273	-25	670
EBITDA**	352	160	492	444	705
MARGINS					
GP margin	9%	7%	9%	9%	9%
OP margin	3%	1%	4%	3%	3%
NP margin	7%	2%	3%	-0.2%	4%
EBITDA margin	4%	2%	5%	4%	4%

* Parent company's share ** Except other income and expenses

2

Balance sheet summary

(m TRY)	2017	2018	2019	2020	2021
Cash & Cash Eq.	593	648	665	961	1,693
Trade Receivables	577	440	566	671	1,065
Inventories	324	348	263	400	1,433
Inv. Acc. Under Equity Method	2,273	2,305	2,059	1,847	2,161
Prop. Plant & Eq.	678	687	713	696	772
Financial Debt	(973)	(1,401)	(1,247)	(1,564)	(2,553)
Trade Payable	(670)	(560)	(579)	(824)	(2,122)
Equity*	2,923	2,502	2,478	2,317	2,698
Total Assets	4,966	5,013	4,955	5,395	8,333
Net Cash (Debt)	(380)	(753)	(582)	(604)	(860)
Working Capital	230	228	251	247	376

* Parent company's share

3 Quarterly Financials – Q4 2021

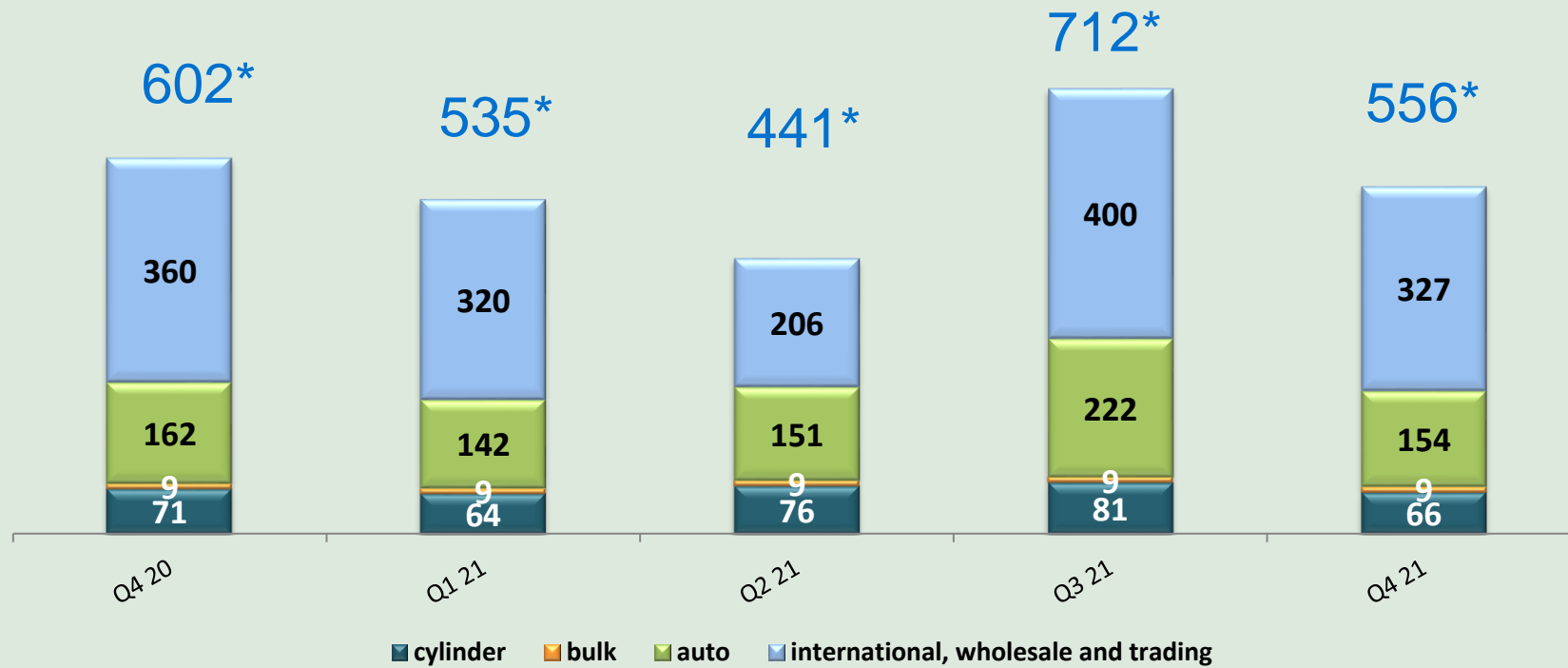
QUARTERLY / (YoY)

Revenue	5,723 Million TL	94%	↑
Gross profit	509 Million TL	97%	↑
Operating profit	40 Million TL	-5%	↓
EBITDA (excl. other op. inc/exp)	256 Million TL	132%	↑
Net profit (excl. non-cont. interests)	149 Million TL	91%	↑

- Gross profit had the positive effect from the inventory impact arising from higher LPG prices and FX rate; while operating profit eroded by increasing operating expenses stemming from new investments and other expenses from operations including FX losses on trade payables.

4

Aygaz LPG Sales (Quarterly) (000 tons)



Q4 2021 sales volumes were realized as;

154 thousand tons in Autogas (-5% YoY)

66 thousand tons in Cylinder Gas (-7% YoY)

556 thousand tons in Total (-8% YoY)

(*)Contribution from Aygaz UK

(000 tons)	Q1	Q2	Q3	Q4
2020	-	94	47	138
2021	139	-	95	48

EMRA, Aygaz

5

Subsidiaries and Affiliates

Subsidiaries	Principal activity	Participation
Anadoluhisarı Tankercilik A.Ş.	Shipping	100%
Kandilli Tankercilik A.Ş.	Shipping	100%
Kuleli Tankercilik A.Ş.	Shipping	100%
Kuzguncuk Tankercilik A.Ş.	Shipping	100%
Akpa Day. Tük. Lpg ve Akar. Ürün. Paz. A.Ş.	Marketing	100%
Aygaz Doğal Gaz Toptan Satış A.Ş.	Natural gas	100%
Aygaz Doğal Gaz İletim A.Ş.	Natural gas	100%
Sendeo Dağıtım Hizmetleri A.Ş. (previous title: Aygaz Aykargo Dağıtım Hizmetleri A.Ş.)	Cargo Transport/Distribution	55%
Bal Kaynak Su İth. İhr. Sanayi ve Ticaret A.Ş.	Water distr.	100%

AYGAZ UK London Branch: The London branch of the company - established in 2019 to engage in trading that will help increase trade volume with third parties in foreign markets, support import, export and transit operations, and create added value from the supply chain.



Subsidiaries and Affiliates

Affiliates	Principal activity	Participation
Enerji Yatırımları A.Ş.	Energy	20%
Entek Elektrik Üretimi A.Ş.	Electricity	50%
Opet Aygaz Gayrimenkul A.Ş.	Real Estate	50%
United Aygaz LPG Ltd - Bangladesh	LPG distribution	50%

Financial Assets	Principal activity	Participation
Koç Finansal Hizmetler A.Ş.	Finance	3.93%
Ram Dış Ticaret A.Ş.	Trade	2.50%
Tat Gıda Sanayi A.Ş.	Food	0.08%

6

Forward looking statements for 2022

Sales volume

- Cylinder: 280-290 thousand tons
- Autogas: 690-720 thousand tons

Market share

- Cylinder: 41.0%-43.0%
- Autogas: 21.5%-22.5%

J

Glossary

LPG	Liquid Petroleum Gas
EMRA	Energy Market Regulatory Authority
WLPGA	World LPG Association
SP	Sonatrach Price
PETDER	Petroleum Industry Association
FOB	Free On Board
CIF	Cost, Insurance & Freight
Med	Mediterranean
VLGC	Very Large Gas Carrier
EYAŞ	Enerji Yatırımları A.Ş.
LNG	Liquid Natural Gas
Mcm	Million Cubic Meters
Bcm	Billion Cubic Meters
NGCC	Natural Gas Combine-Cycle
MW	Megawatt (one million watts)
BIST	Borsa Istanbul (Istanbul Stock Exchange)
IPO	Initial Public Offering
GHG	Greenhouse Gas Protocol

K Disclaimer

- This presentation may contain forward-looking statements that reflect the company management's current views with respect to certain future events. Although it is believed that the expectations reflected in these statements are reasonable, they may be affected by a variety of variables and changes in underlying assumptions that could cause actual results to differ materially.
- Neither Aygaz nor any of its directors, managers or employees nor any other person shall have any liability whatsoever for any loss arising from use of this presentation.

L

Contacts

investorrelations@aygaz.com.tr

Gökhan Dizemen, CFO

gokhan.dizemen@aygaz.com.tr
+90 212 354 1764

Şebnem Yücel, Finance and Risk Director

sebnem.yucel@aygaz.com.tr
+90 212 354 1510

Selin Sanver, Investor Relations Manager

selin.sanver@aygaz.com.tr
+90 212 354 1659

www.aygaz.com.tr