



PLANT FOR SALE
UPDATED BRIEF
Sep 2017

Ethanol distillery plant

S4 turtas / Biofuture

Production of *top class* ethanol (ethyl alcohol):

- rectified grain alcohol
(*food-grade*)
- dehydrated bioethanol

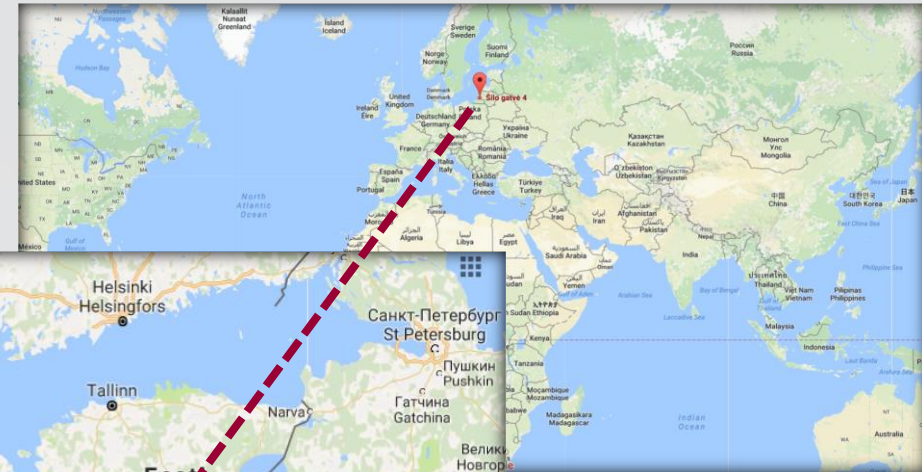
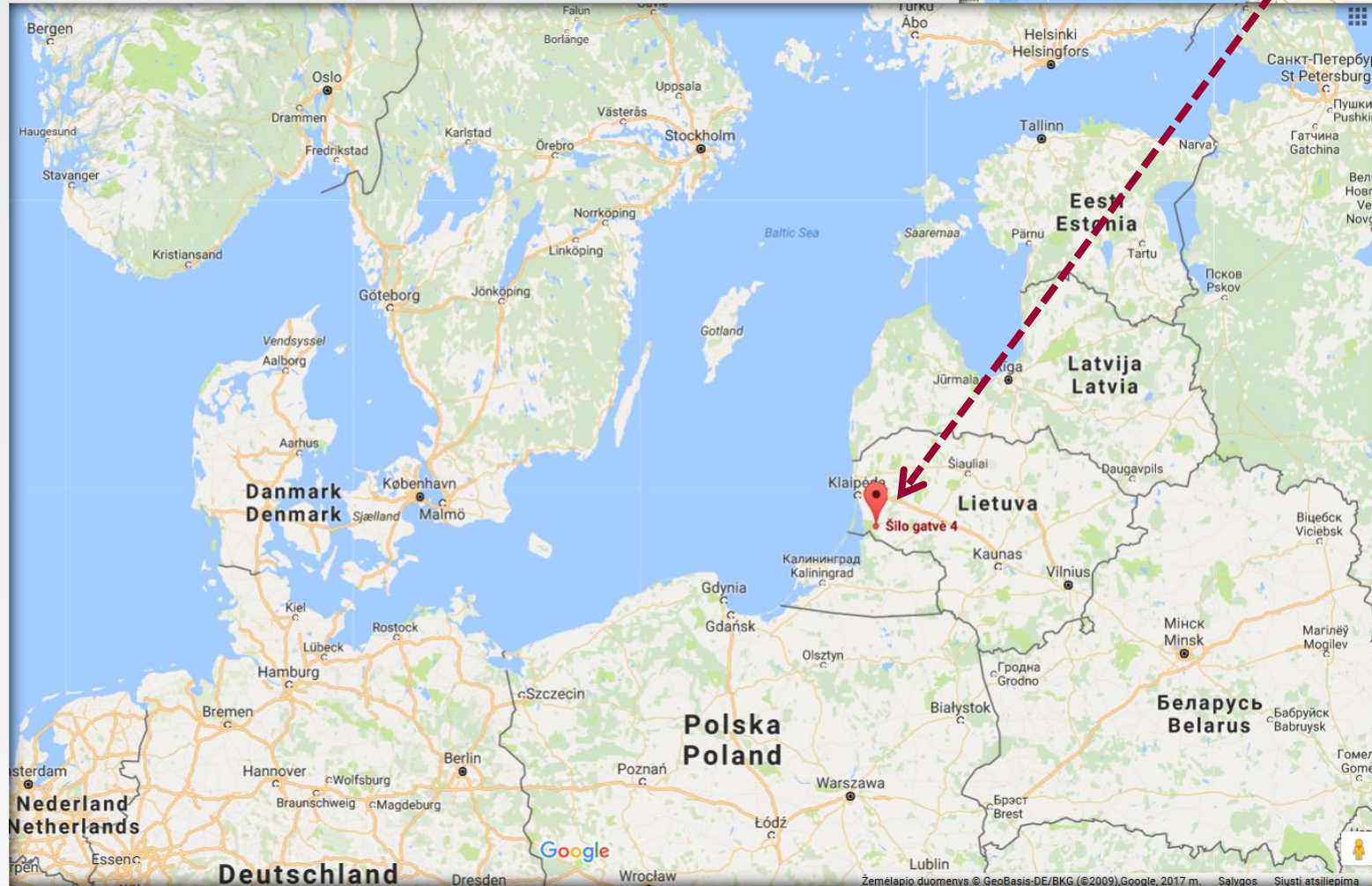
(*fuel-grade, industrial, neutral, denaturated*)

Contents

- **Plant** Location. Territory. Images
- **Logistics** Rail. Ship. Road. Storages
- **Investments** New equipment. Automation. Diversification. Universal
- **Production** Capacity. Raw material. Technologies. Status
- **Sales markets** Recent historical
- **About** Owner. Contacts

Plant location

- **at Silute, Lithuania, European Union (EU)**
- **50 km from port Klaipeda, Baltic Sea**
- **150 km from oil refinery plant at Mazeikiai, Orlen group**



Close to Nordic and East Europe markets

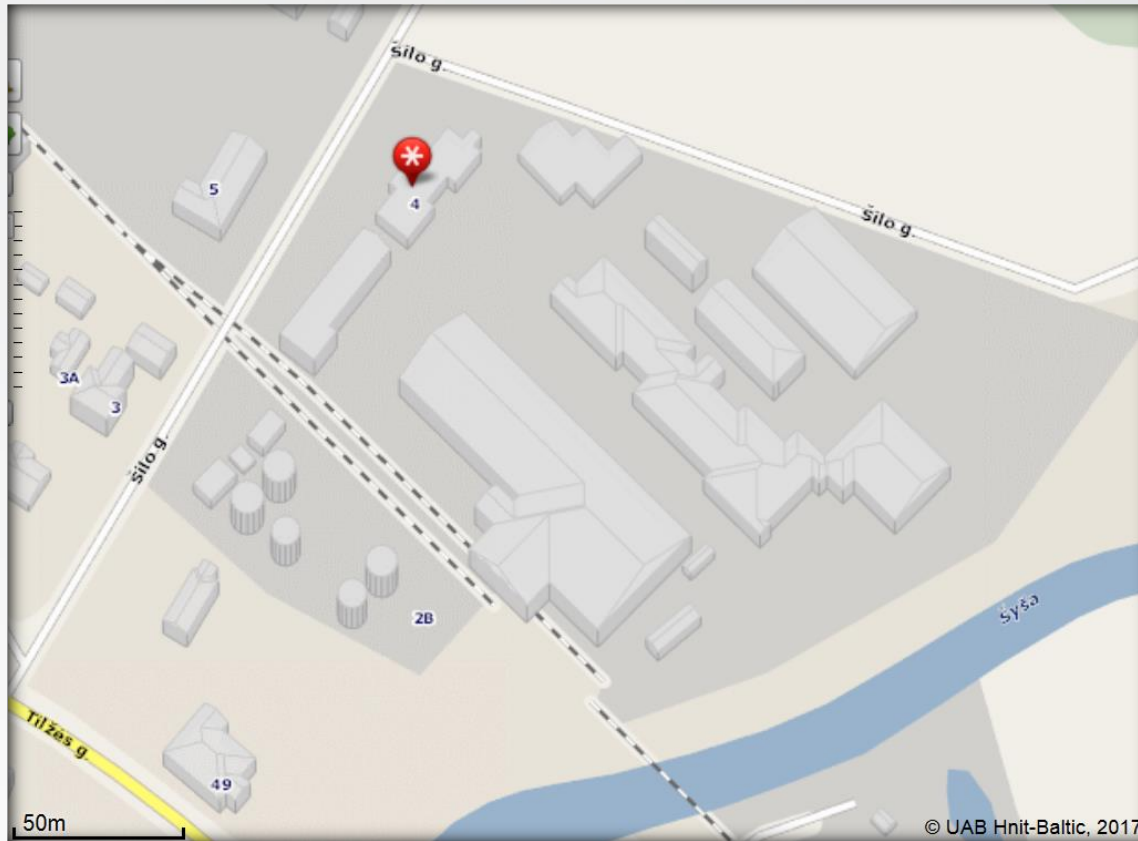
Economically clever location to start EU operations for non-EU businesses

Plant territory

- **2,75 ha** land area
- **8200 sq.m** buildings area

Optimally positioned

Spacious for future expansion



Plant images



Logistics. Storages

Ready to use any type
available
or combination

- **Rail:** 2 lines directly present in plant territory
 - suitable both for *inbound* raw material and *outbound* products, including ships from Klaipeda
- **Ship** vessels
 - FOB Klaipeda port at Baltic Sea ~50 km, delivery to port by rail or road
 - Loading time for 3800 mt vessel ~36 h
- **Road** transport
 - trucks, tank-cars / cisterns
- **Storages**
 - for ethanol products: 3900 mt at plant
 - for raw material: external 0,5 km from plant 20 000 t, max 40 000 t

Investments. Diversification. Universal

Huge investments into new technologies, diversification and automation

- Distillery plant *fully* renewed during year 2004-2014
 - investments to *new* equipment **25+ mil. EUR**
 - advanced technologies purchased and implemented
 - Main vendors: dehydration, automation - German, Japan; rectification and DDGS – Ukrainian
 - automated processes during production, both monitoring and control
- *Universal* production of both top-class / top-quality
 - **Rectified alcohol** - grain ethyl alcohol (food grade)
 - **Bioethanol** - dehydrated ethyl alcohol (fuel-grade, industrial, neutral, denaturated)
- *Universal* raw material - all types of Grain, dry or wet:
 - **Corn, Triticale** (hybrid of rye&wheat), **Rye, Wheat**
 - **Wet corn** using wet milling technologies

Production capacity

One of **most powerful** and capable plants of **CEE** and **Nordic** region

Production capacities - up to	1 day, litres	1 month, million litres	1 year, million litres	1 year, million gallons
Bioethanol (dehydrated ethyl alcohol)	150 000	4,6	54,8	14,5
Rectified ethyl alcohol	120 000	3,6	43,8	11,6

- Production runs *switched* to one or other product *not parallel*
- Optimal capacities, including maintenance periods
 - 40 000 m³ E100 / 1 year, with additives 50 000 m³ E100 / 1 year
- Dehydration capacities *extra* - installed are higher
 - 170 000 litres / 1 day, but to use it - fermentation needs to be upgraded

Production technologies

Highlights
only

Fermentation	2200 m ³
Rectifying	6 columns: 3 pressure + 3 vacuum (steam economy)
Dehydration	3 lines, zeolite membranes
Low-temperature hydrolysis	82 – 87C
Grain mill	Elevator 2000 t, separator 200 t/h
	Wet grain line
Denaturation	own workshop up to 12 formulas
Automated and computerised	Most production processes
Eco-friendly sustainable production	Production without waste (reused)
	Cooling closed contour - no external river water
	Energy economy in most processes
	DDGS facility 10-12% hydr: 1 t/h ~ 900 t/month, wet cake 7 t/h

Production status

- Production currently *paused* for 3 years.
Can be *resumed*
 - Equipment supervised and serviced since stopped
 - Spare parts for maintenance and replacements are available on-site

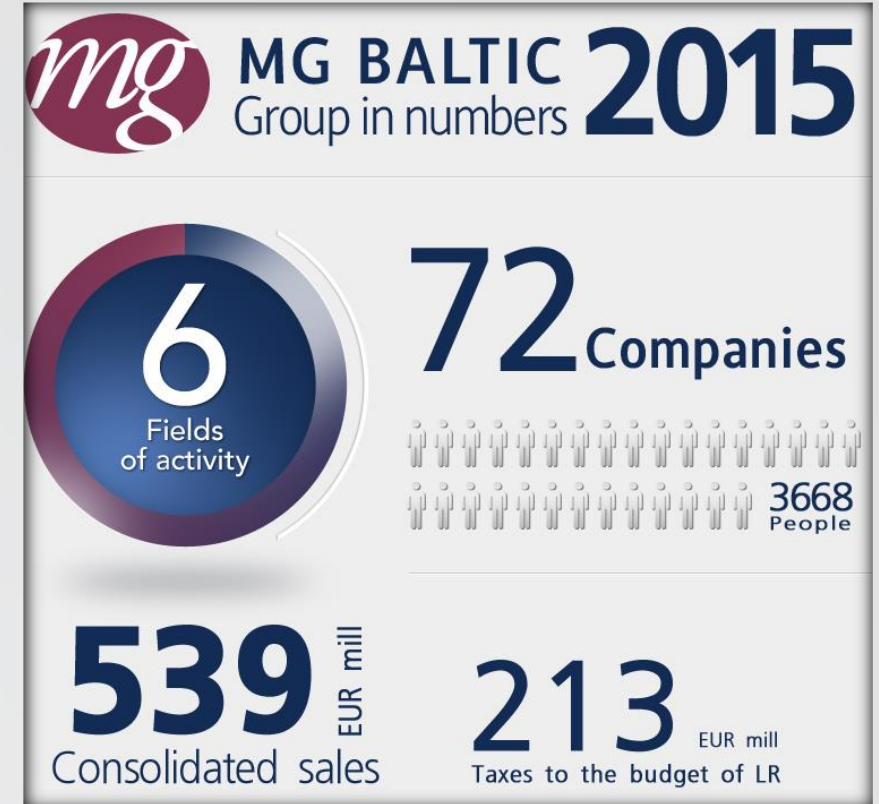
- Main reasons of current status
 - *Outbound* (sales) *synchronization issues* with *Inbound* (raw material supply)
 - quantity - demanded vs available
 - high fluctuation - sales price vs cost
 - no longterms - both sales and supply

Sales markets

- Recent *historical* sales:
 - **Baltic and EU** markets
 - Potable grain alcohol markets
 - Screen wash concentrate
 - Fuel market - refinery Orlen Lietuva
 - Wet cake – local market
 - denatured ethyl alcohol market
 - DDGS markets
 - **Scandinavian** markets
 - Neutral dehydrated ethyl alcohol
 - Fuel ethanol market

Owned by MG Baltic

- Plant acquired by **MG Baltic** in year 2004
 - Distillery originally established in 1936
- **MG Baltic** - one of biggest holdings in Lithuania and Baltics
www.mgbaltic.lt/en/
- Plant owner company: „**S4 turtas**“



About MG Baltic

- Leader in Baltics and Lithuania:
 - **No.1** or **No.2** in all industries operated
- Industries:
 - Manufacturing FMCG
 - Distribution, logistics
 - Retail
 - Real Estate development and management
 - Construction
 - Media and Telecommunications



Contact us

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More about us:

<http://www.mgbaltic.lt/en/>

<http://www.biofuture.lt/en/>

