

OMV Austria Upstream Visit

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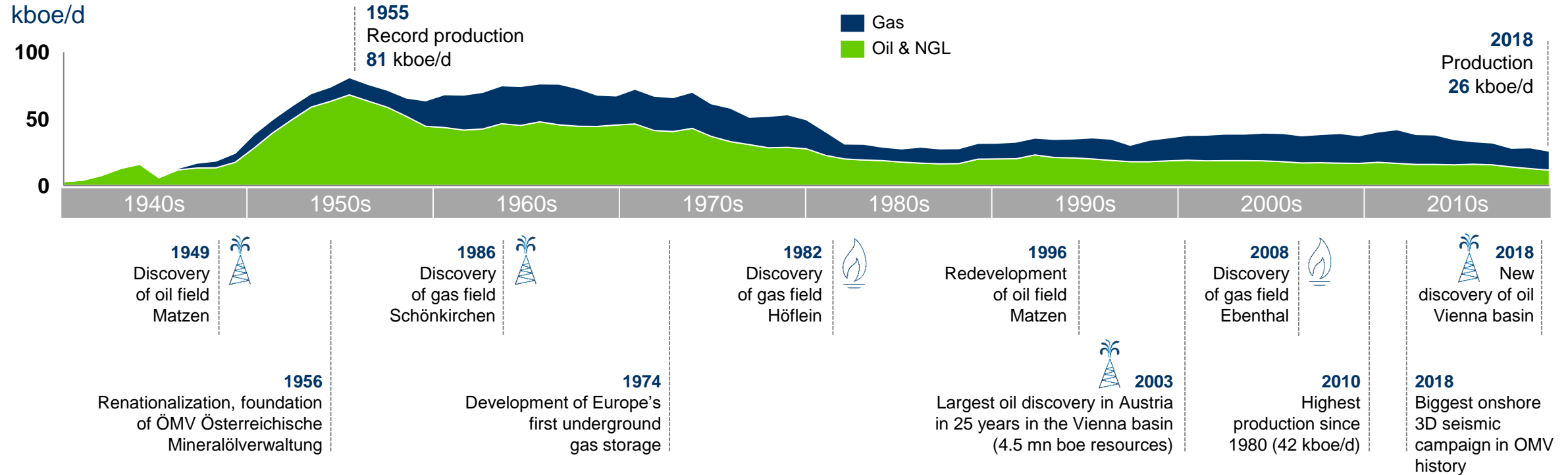
Vienna, Austria
June 17, 2019



OMV Aktiengesellschaft

OMV has been producing oil and gas in Austria for more than 60 years in a profitable and sustainable way

OMV historic production



Our production takes place in Austria's largest wine growing region using highest environmental standards



Wells
~1,000



Wineries
~1,600



OMV Austria Upstream activities today

Assets

- ▶ 100% owned and operated by OMV
- ▶ **~1,000 active wells**
- ▶ **Very cost competitive in mature fields**
- ▶ Best-in-class **oil recovery rates**
 - ▶ Average Austria ~40%
 - ▶ Selected fields > 60%
- ▶ **Reliable and modern infrastructure e.g.**
 - ▶ Over 80% automated wells
 - ▶ Digital well and pipeline control
 - ▶ Fully automated and remotely controlled gas storages and processing plants
 - ▶ State-of the art water treatment facility
- ▶ **Fully integrated with Downstream Oil and Gas** operations via pipeline

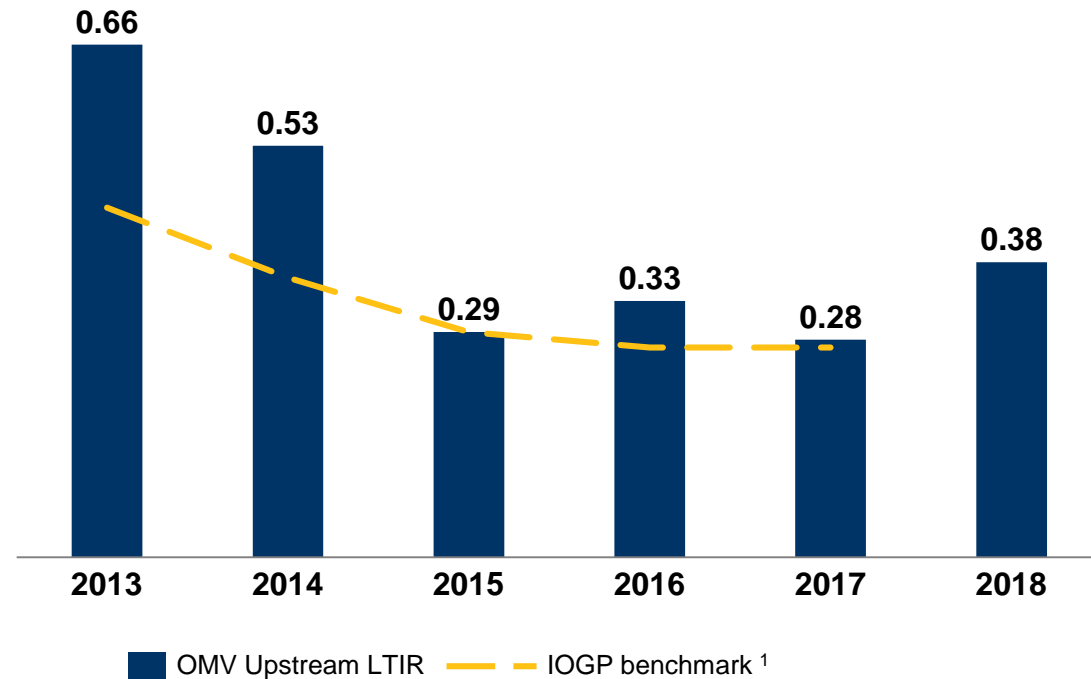


Reserves and production

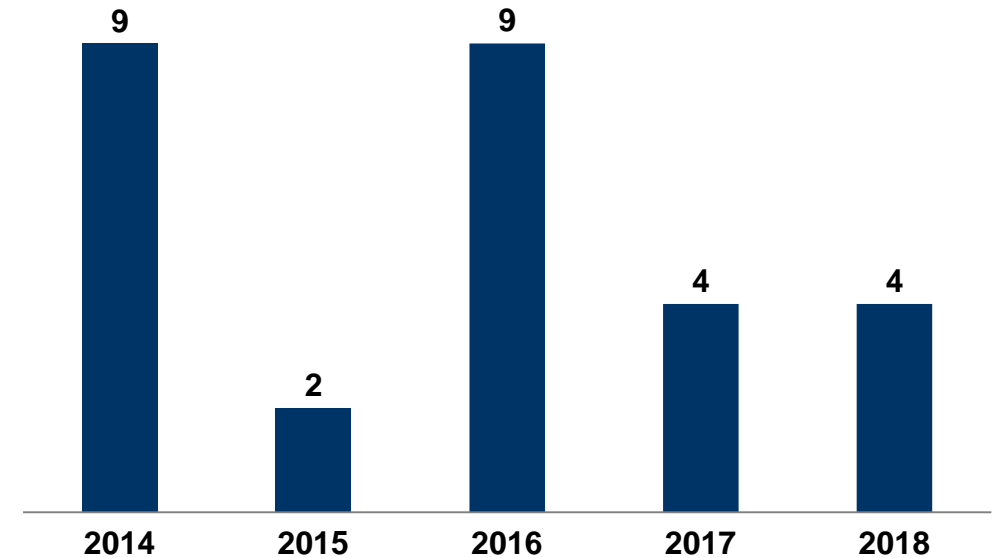
- ▶ 2018 production of **26 kboe/d (9 mn boe)**
 - ▶ 45% oil and condensate
 - ▶ 55% natural gas
 - ▶ 1P reserves of **70 mn boe** as of December 31, 2018
 - ▶ Reserve life of **~ 8** years
-
- ▶ **Center of technological excellence** for all countries in OMV Upstream
 - ▶ Stable and material **cash generation**

HSSE in OMV Upstream – Safety is our top priority and our mandate to operate

Personnel safety record in OMV Upstream
Lost-Time Injury Rate per mn hours worked



OMV Group process safety events
Tier 1



¹ International Association of Oil and Gas Producers

The journey of oil: from reservoir to Schwechat refinery

Oil well



640 wells

Raw crude produced from individual production wells is diverted to pipelines and transported to gathering stations

Gathering station



34 stations

The individual well streams are brought into the main production facilities through a network of gathering pipelines

Metering station



29 stations

Measure the actual flow of oil and gas

Processing plant



4 plants

Separate natural gas and salt water from crude oil

Salt water treatment plant

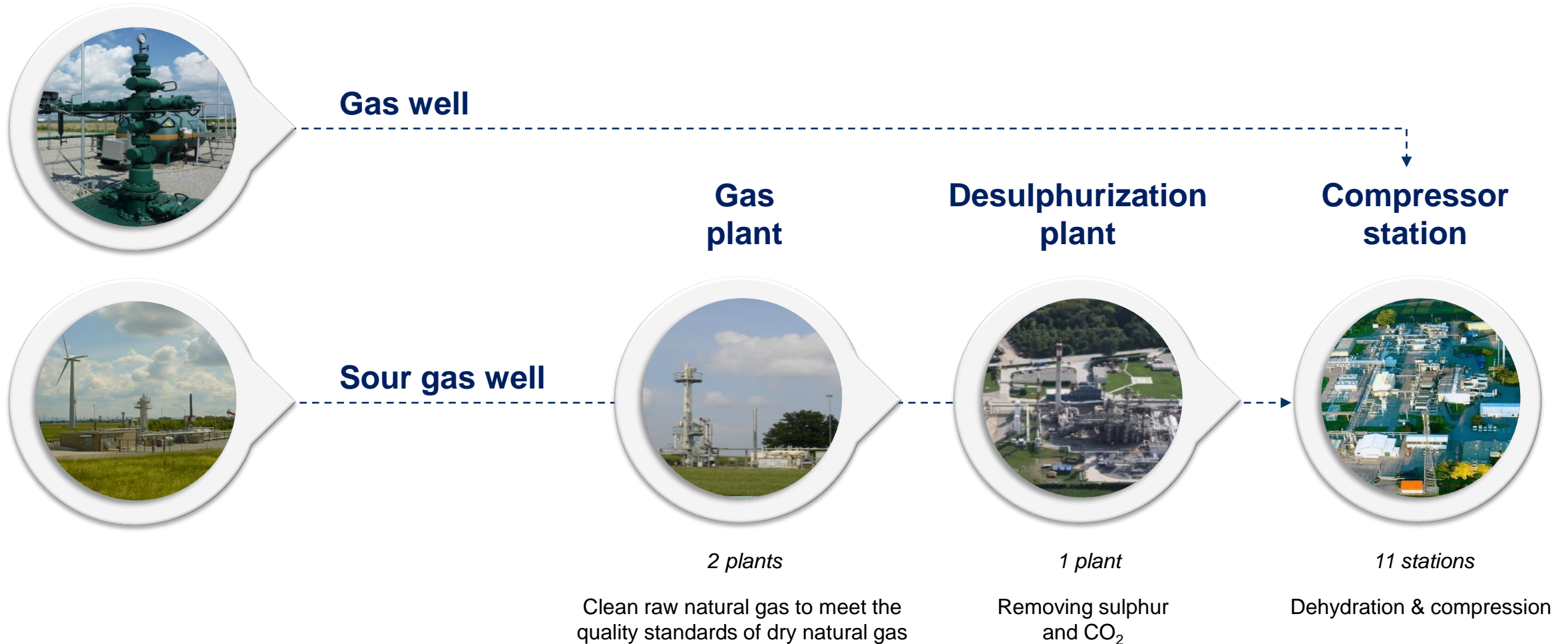


1 plant

Remove oil and solids from the salt water

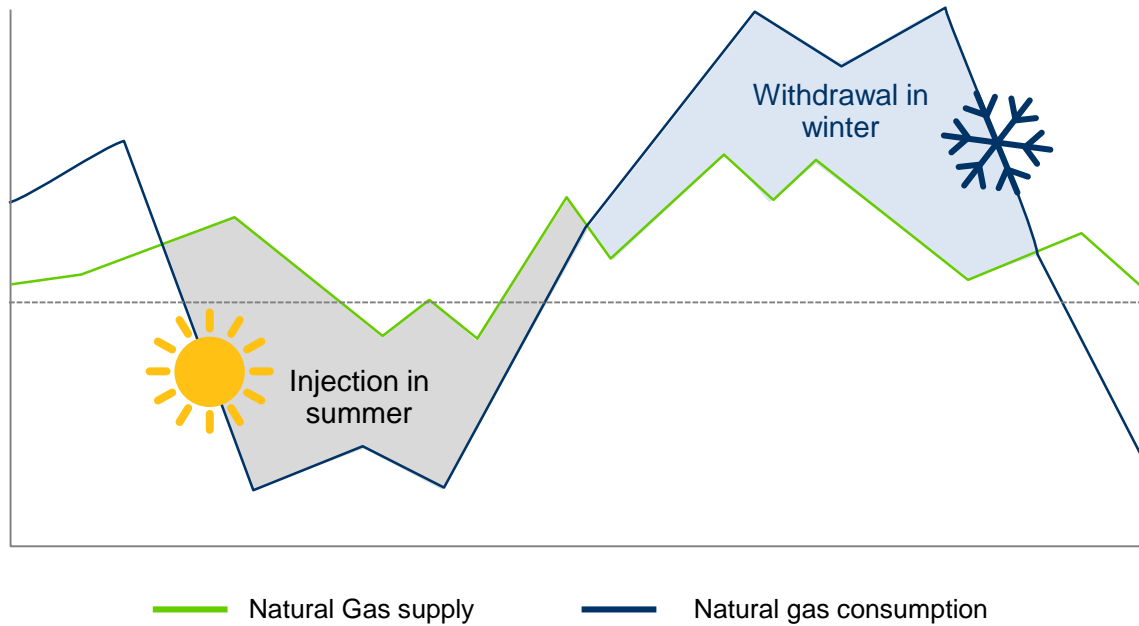
The treated salt water is further used for “water flooding” of production wells, maintaining reservoir pressure and increasing oil recovery volumes

The journey of gas: from reservoir to customer

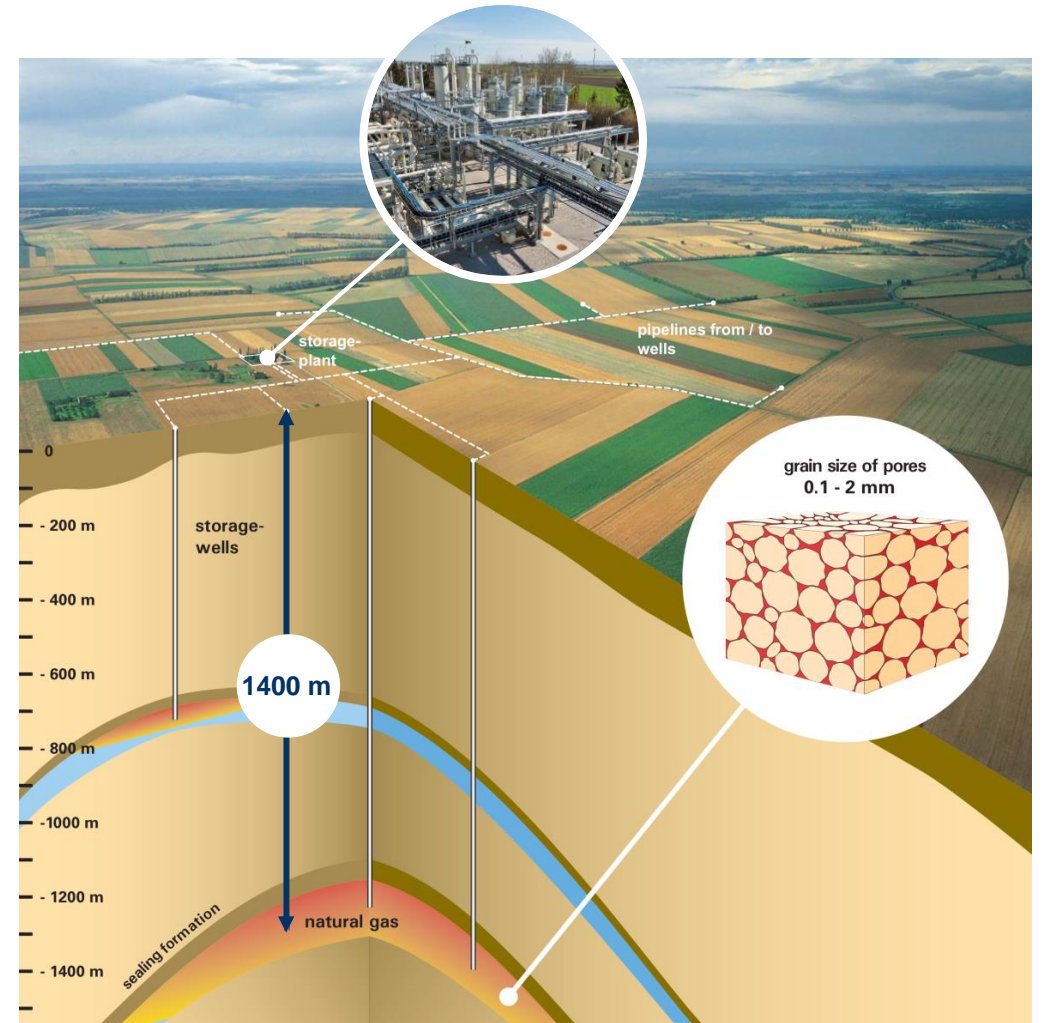


Storing gas in depleted reservoirs is one of the most efficient, eco-friendly and safe ways

Natural gas storage



- ▶ Two natural underground gas storage facilities, with a capacity of ~2,2 bn m³ ~ 25% of yearly Austrian gas consumption
- ▶ Gas is fed into the reservoirs and withdrawn from them via wells when needed
- ▶ Used to balance seasonal consumption swings



OMV Upstream Austria strategy: maximize profitable recovery and sustain value generation

Operational excellence

- ▶ Efficient workover and asset maintenance
- ▶ Infill drilling and selected field re-developments
- ▶ Deep and horizontal drilling in complex geology
- ▶ Continuous reservoir management and production optimization
- ▶ Strict cost management
- ▶ Further automation of the production facilities



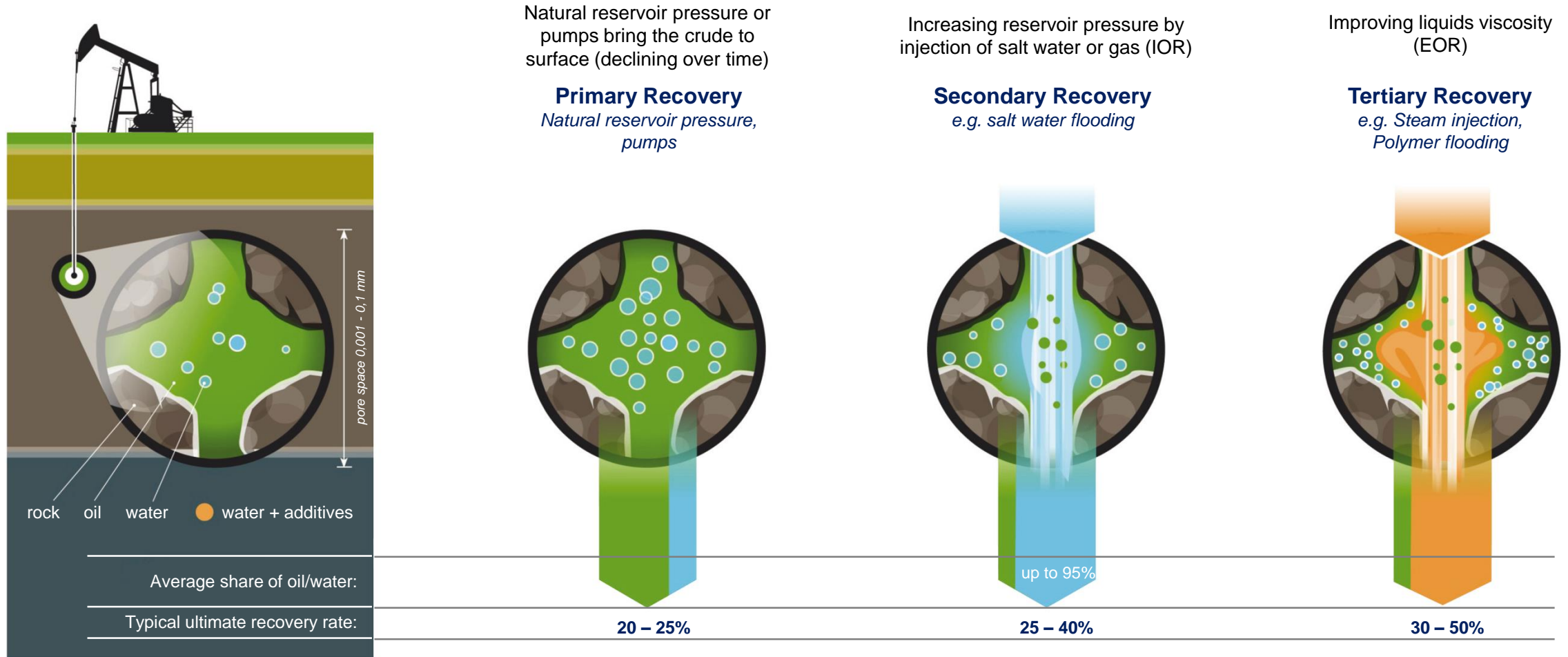
Maximize recovery factors

- ▶ From mature fields through enhanced oil recovery methods

Further exploration opportunities

- ▶ Further resources potential through enhanced oil recovery
- ▶ Ongoing exploration wells (2 in 2019, 2 in 2020)
- ▶ 3D seismic campaign, surveying 1,600 km² completed in March 2019

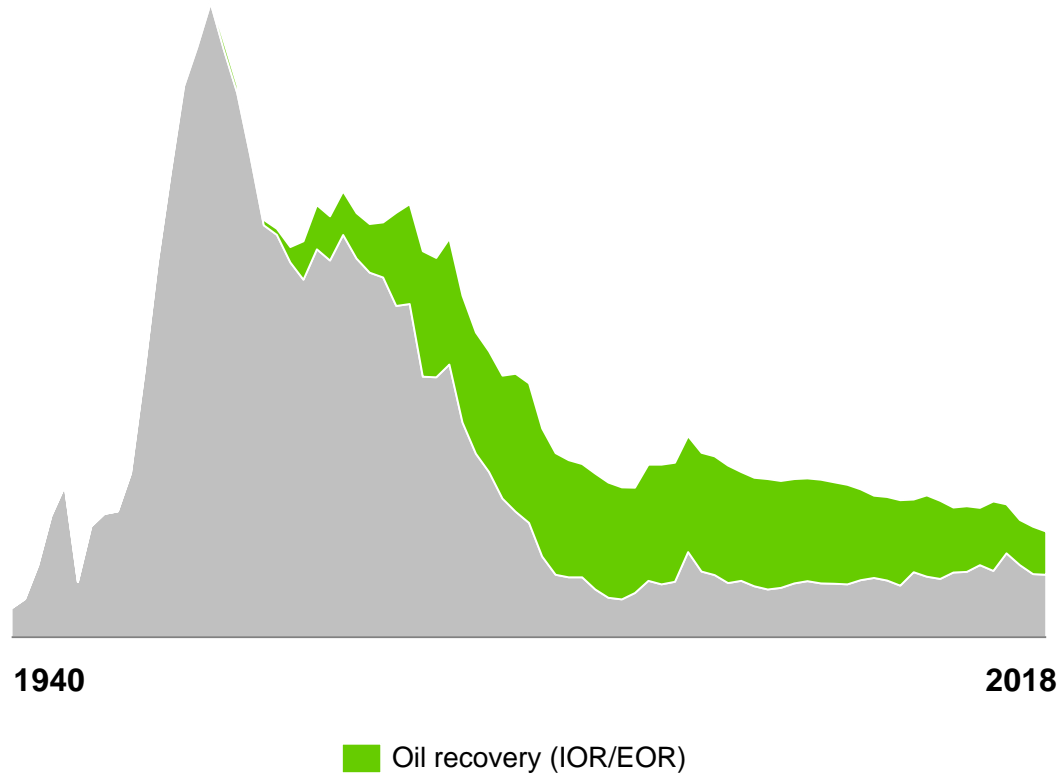
The exploration of the Vienna mature basin has given OMV special technological expertise in high recovery rates



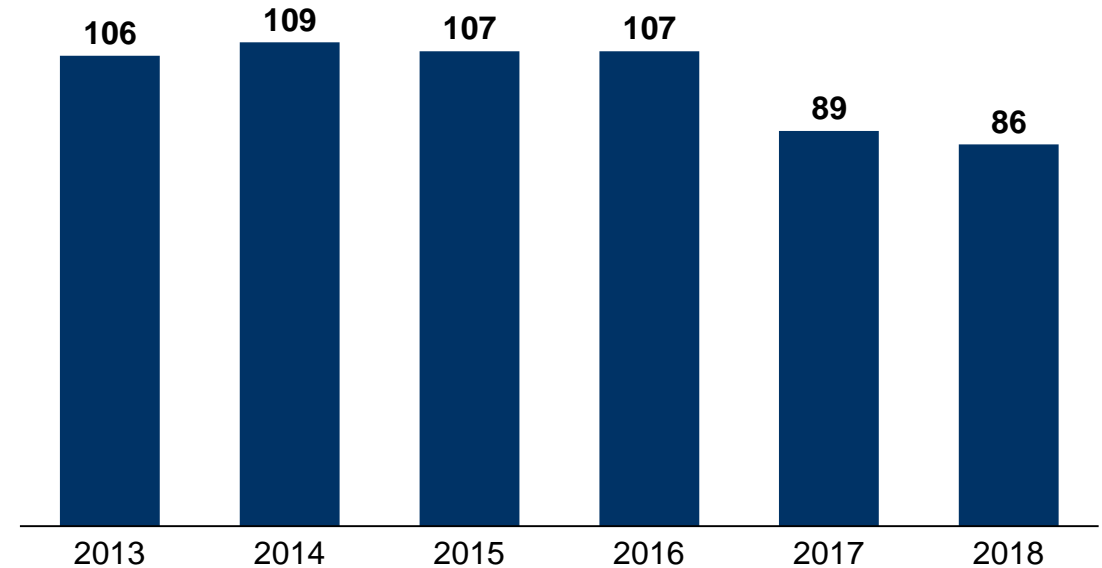
OMV Austria oil recovery rates of ~40% on average and >60% in selected fields

24 million boe of oil recovered through enhanced recovery methods in last 10 years

Austrian oil production
million boe

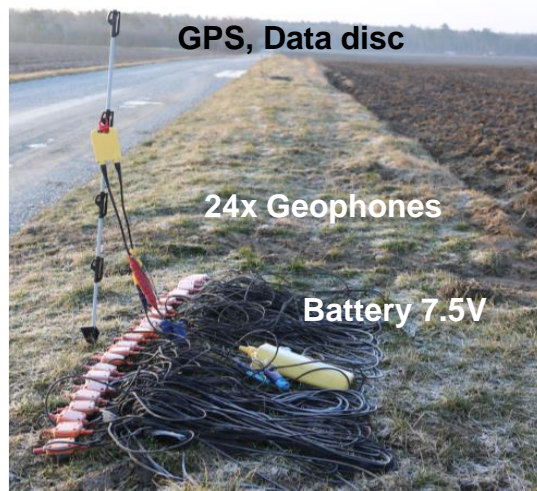
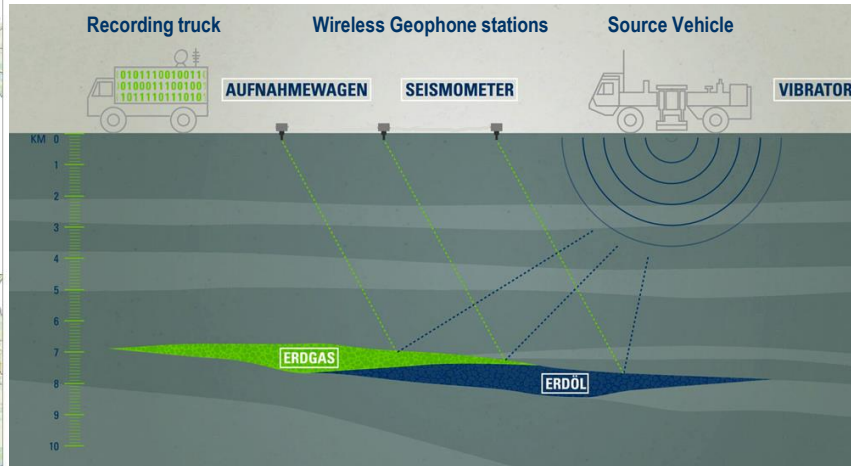
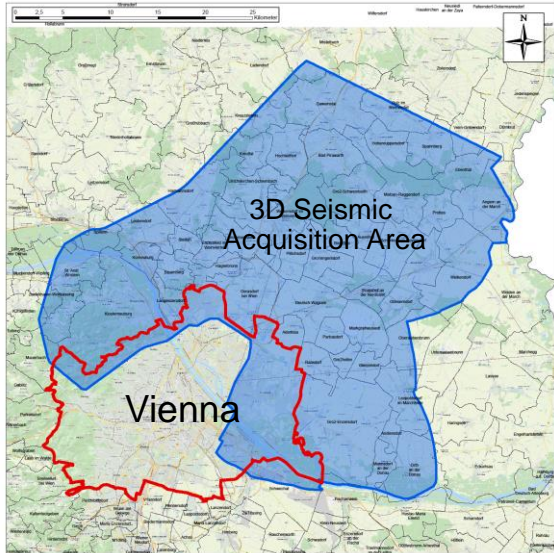


Stable and cost competitive production costs ¹
mn EUR



¹ Disclosure according to US GAAP in OMV Annual Report

Ongoing seismic campaign in Austria: searching for remaining gas resources



- ▶ Biggest land seismic **ever acquired in Europe**
- ▶ Acquisition area: 1,600 km², mostly in **densely populated** area around Vienna
- ▶ Deep target: 3,000 - 6,000m
- ▶ Potential gas reserves of up to **100 mnboe**
- ▶ OMV is deploying cable-less seismic equipment together with **high efficient source technology** (4 vibrator fleets with each 3 vehicles, 700.000 geophones simultaneously operating) making these operations very fast and extremely cost efficient
- ▶ Acquisition successfully finished end of March 2019 with **no HSSE incidents** and a very good acceptance by the public

Our visit today

Today's visit



Tankfarm Auersthal



- ▶ Oil Processing plant 5.500 boe/d
- ▶ 4 tanks with 8.000 m³ volume
- ▶ 2 oil qualities
- ▶ Salt water treatment 18.000 m³/d

Salt water treatment plant



- ▶ Essential for operations in mature fields
- ▶ 93% of production is salt water
- ▶ Salt water cleaned from 300 to 2 ppm oil
- ▶ Collecting the average production of an oil well (~ 54 b/d)
- ▶ Plant availability: 99.9%

**The energy
for a better life.**

