

9 November 2020

## Resources Rising Stars 2020 Investor Forum

- 🔴 **ADX Energy Ltd to present at Resources Rising Stars 2020 Investor Forum**
- 🔴 **Presentation scheduled for 10 November 2020 at 2.00PM WST / 5.00PM AEDT**

ADX Energy Ltd (ASX: ADX) is pleased to advise it will present an investor briefing at the Resources Rising Stars 2020 Investor Forum on 10 November 2020. The Company invites investors to view a live streamed video presentation of Executive Chairman, Ian Tchacos, with the opportunity to submit questions following the presentation.

Investors can register online to watch the presentation via the following link:

[https://www.bigmarker.com/series/Resources-Rising-Stars-2020-Investor-Conference/series\\_summit](https://www.bigmarker.com/series/Resources-Rising-Stars-2020-Investor-Conference/series_summit)

More information can be found at:

<https://www.resourcesrisingstars.com.au/events/rrs-two-day-investor-webinar>

We look forward to your participation. A copy of the presentation is attached.

**Authorised for lodgement by Ian Tchacos, Executive Chairman**

# ADX Energy Ltd – Investor Update

*Resources Rising Stars Conference 2020*

*Presented by: Ian Tchacos – Executive Chairman*

*Date: 10 November 2020*



**A European focussed energy producer (ASX:ADX)**



# DISCLAIMER STATEMENT (1)

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## **Important Notice**

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**Persons compiling information about Hydrocarbons.** Pursuant to the requirements of the ASX Listing Rule 5.31, the unaudited technical and reserves information contained in this release has been prepared under the supervision of Mr Paul Fink. Mr Fink is Technical Director of ADX Energy Limited, is a qualified geophysicist with 23 years of technical, commercial and management experience in exploration for, appraisal and development of oil and gas resources. Mr. Fink has consented to the inclusion of this information in the form and context in which it appears. Mr. Fink is a member of the EAGE (European Association of Geoscientists & Engineers) and FIDIC (Federation of Consulting Engineers).

ERC Equipoise Pte Ltd (ERCE) has conducted an independent audit of the **Gaiselberg & Zistersdorf Oil Fields** developed Reserves and consented to the inclusion of information specified as ERCE audited values in this release. ERCE is an independent London and Singapore based consultancy specialising in geoscience evaluation, engineering and economic assessment. The CPR has been prepared in accordance with the June 2018 SPE/WPC/AAPG/SPEE/SEG/SPWLA/EAGE Petroleum Resources Management System (PRMS) as the standard for classification and reporting.



# DISCLAIMER STATEMENT (2)

## PRMS Reserves Classifications used in this Report

**Developed Reserves** are quantities expected to be recovered from existing wells and facilities.

*Developed Producing Reserves are expected to be recovered from completion intervals that are open and producing at the time of the estimate.*

*Developed Non-Producing Reserves include shut-in and behind-pipe reserves with minor costs to access.*

**Undeveloped Reserves** are quantities expected to be recovered through future significant investments.

A. **Proved Reserves (1P)** are those quantities of Petroleum that, by analysis of geoscience and engineering data, can be estimated with reasonable certainty to be commercially recoverable from known reservoirs and under defined technical and commercial conditions. If deterministic methods are used, the term “reasonable certainty” is intended to express a high degree of confidence that the quantities will be recovered. If probabilistic methods are used, there should be at least a 90% probability that the quantities actually recovered will equal or exceed the estimate.

B. **Probable Reserves** are those additional Reserves which analysis of geoscience and engineering data indicate are less likely to be recovered than Proved Reserves but more certain to be recovered than Possible Reserves. It is equally likely that actual remaining quantities recovered will be greater than or less than the sum of the estimated Proved plus Probable Reserves (2P). In this context, when probabilistic methods are used, there should be at least a 50% probability that the actual quantities recovered will equal or exceed the 2P estimate.

C. **Possible Reserves** are those additional Reserves that analysis of geoscience and engineering data suggest are less likely to be recoverable than Probable Reserves. The total quantities ultimately recovered from the project have a low probability to exceed the sum of Proved plus Probable plus Possible (3P) Reserves, which is equivalent to the high-estimate scenario. When probabilistic methods are used, there should be at least a 10% probability that the actual quantities recovered will equal or exceed the 3P estimate. Possible Reserves that are located outside of the 2P area (not upside quantities to the 2P scenario) may exist only when the commercial and technical maturity criteria have been met (that incorporate the Possible development scope). Standalone Possible Reserves must reference a commercial 2P project.

**Contingent Resources:** those quantities of petroleum estimated, as of a given date, to be potentially recoverable from known accumulations but, for which the applied project(s) are not yet considered mature enough for commercial development due to one or more contingencies.

1C, 2C, 3C Estimates: in a probabilistic resource size distribution these are the P90 (90% probability), P50, and P10, respectively, for individual opportunities. Totals are by arithmetic summation as recommended under PRMS guidelines. This results in a conservative low case total and optimistic high case total.

**Prospective Resources:** those estimated quantities of petroleum that may potentially be recovered by the application of a future development project(s) related to undiscovered accumulations. These estimates have both an associated risk of discovery and a risk of development. Further explorations appraisal and evaluation is required to determine the existence of a significant quantity of potentially moveable hydrocarbons. “Low” means a conservative estimate of the quantity that will actually be recovered from the accumulation by the project; there is a 90% probability (P90) that the quantity actually recovered will equal or exceed the best estimate. “Best” means a best estimate of the quantity that will actually be recovered from the accumulation by the project; there is a 50% probability (P50) that the quantity actually recovered will equal or exceed the best estimate. “High” means an optimistic estimate of the quantity that will actually be recovered from the accumulation by the project; there is a 10% probability (P10) that the quantity actually recovered will equal or exceed the best estimate

# CORPORATE OVERVIEW



## A European focussed energy producer (**ASX:ADX**)

### Financial information

Share price (6 November 2020)	A\$0.006
Number of shares	1,725 m
Number of Options	290m
<b>Market capitalisation</b>	<b>A\$10.4m</b>
Cash (30 Sept 2020)	A\$2.1 m
Loan Notes (unsecured) & Volksbank AGS Loan	A\$4.3 m
Minority Interest in Subsidiary	A\$ 8.7 m
<b>Enterprise value</b>	<b>A\$21.3 m</b>

### Company overview

- **Corporate Headquarters** in Perth Western Australia
- **Operations & technical teams** in Austria
- **Focus** on production & rapid cashflow growth - fast track appraisal & development close to infrastructure.
- **Asset positions** in **Austria** onshore, **Romania** onshore and **Italian** offshore.
- **Operate** all assets. Only 3<sup>rd</sup> production operator in Austria. 2<sup>nd</sup> Exploration Operator
- **Decarbonisation and sustainability** opportunities in Austria – CO<sub>2</sub> storage, geothermal and green gas.

### Directors

#### Ian Tchacos (Executive Chairman)

- Located Perth; petroleum engineer; production operations, commercial, corporate and management experience. (35 years)

#### Paul Fink (Technical Director / CEO)

- Located Vienna; geophysicist; new ventures, exploration, production and management experience (30 Years)

#### Andrew Childs (Non-Executive Director)

- Located Perth; geoscientist; exploration, HR and corporate experience (35 years)

#### Edouard Etienvre (Non-Executive Director)

- Located London; finance executive; debt market, new ventures, commercial and management experience (15 years)

**Over 150 years of relevant oil and gas experience**

#### Company Secretaries (joint)

**Peter Ironside and Amanda Sparks** – extensive finance and corporate experience

**ADX Vienna MD - Alan Reingruber** – extensive engineering, government relations and operations experience



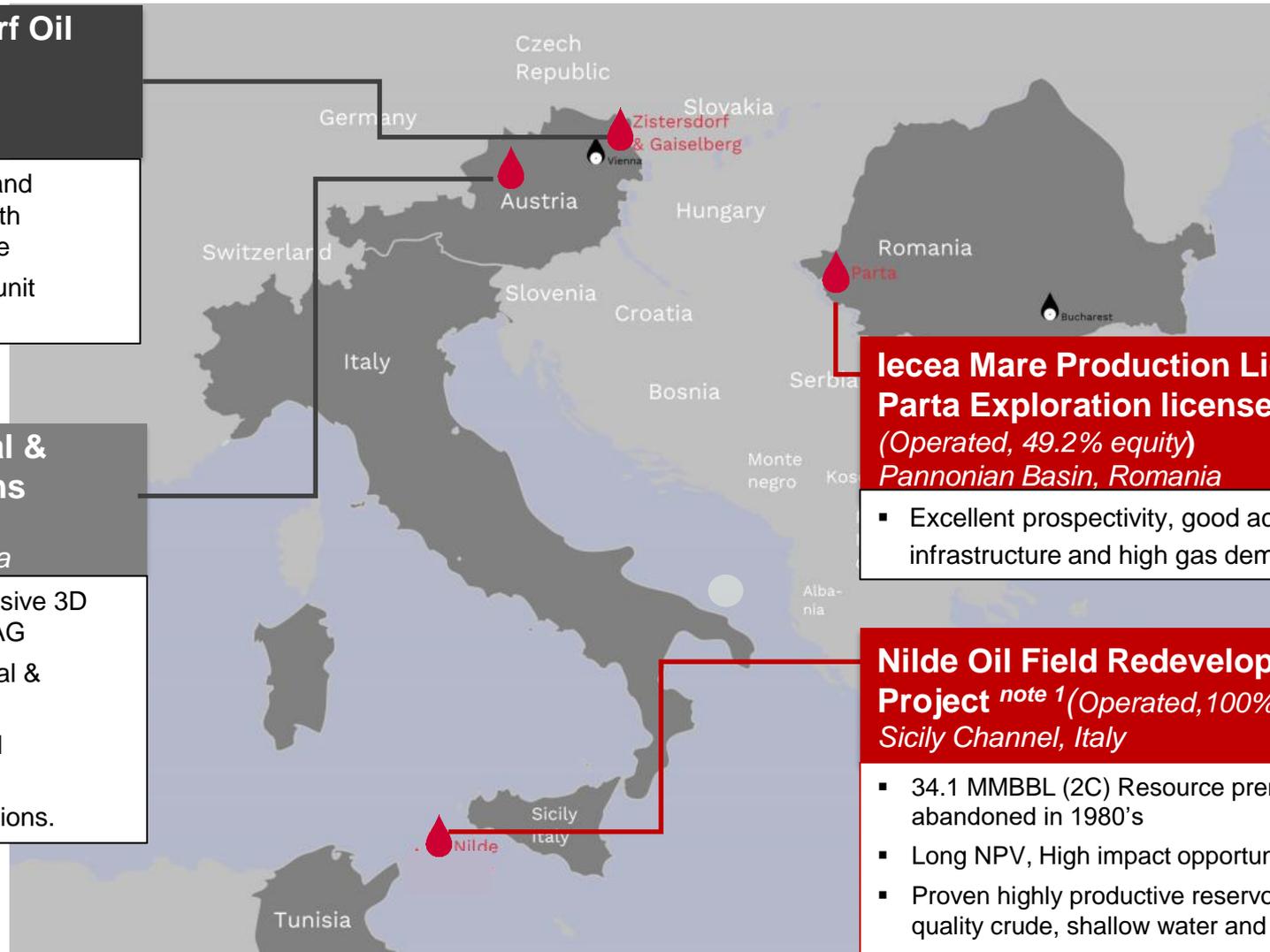
## Production, development, appraisal and exploration assets

**Gaiselberg & Zistersdorf Oil Fields**  
 (Operated, 100% equity)  
*Vienna Basin, Austria*

- Stable, long lived cash flow and excellent facilities position with reserves and resource upside
- Efficient operations and low unit operating cost

**Upper Austria Appraisal & Exploration Applications**  
 (Operated, 100% equity)  
*Mollasse Basin, Austria*

- Applications based on extensive 3D Data Base acquired from RAG
- Low risk oil and gas appraisal & exploration portfolio
- Excellent access to proximal infrastructure.
- Potential production acquisitions.



**Iecea Mare Production License & Parta Exploration license**  
 (Operated, 49.2% equity)  
*Pannonian Basin, Romania*

- Excellent prospectivity, good access to infrastructure and high gas demand

**Nilde Oil Field Redevelopment Project** <sup>note 1</sup> (Operated, 100% equity)  
*Sicily Channel, Italy*

- 34.1 MMBBL (2C) Resource prematurely abandoned in 1980's
- Long NPV, High impact opportunity
- Proven highly productive reservoirs, high quality crude, shallow water and drill depths.
- Operations Moratorium till Q4 2021

Note 1: Contingent Resources Reporting Date for Nilde 29/3/2018

# RECENT HIGHLIGHTS

A transformational period – first steps towards becoming a material European producer

## Purchase Zistersdorf Oil Field, Vienna Basin

- Purchased low decline 310 BOPD at 1 year cash flow
- ADX one of the only 3 operators in Austria
- Collaborative transaction enabling smooth operations transition and access to further growth opportunities
- Operations & technical team transferred to ADX

## Exploration & Appraisal License Offered, Upper Austria

- Drill ready appraisal & exploration prospect inventory
- Evaluated on 3600 km<sup>2</sup> of 3D seismic exclusive data set
- Geothermal potential
- Access to proximal infrastructure

## Appraisal Well Drilled Onshore Romania

- Iecea Mica – 1 well drilled in 2019
- Funded by Reabold Resources
- Well completed as future producer & tested in 2020
- Strong markets & access to power and gas infrastructure
- Further testing required to determine potential

Low emission, long life production



Boots on the ground



# FOCUS IS ON AUSTRIA - A rare break through opportunity!



## A TWO COMPANY GAME FOR OVER HALF A CENTURY

World Class Oil Province ~1 billion barrels oil and 2.7 Tcf gas

Excellent Infrastructure for Oil and Gas

(European Gas Hub and 230,000 BPD refinery)

High Value Hydrocarbons with Stable Legal and License System



## A Unique Strategic Position

- 100% equity in operated, production asset (310 BOEPD) in Vienna Basin
- Boots on the ground
- Offered prospective appraisal, exploration and geothermal acreage (Upper Austria)
- 3<sup>rd</sup> Producer & 2<sup>nd</sup> Explorer in country

## Multiple growth pathways

- Long life production with reserves growth
- Production acquisition opportunities
- Exclusive data set adds value and shortens investment cycle (Euro 90 million geotechnical data)
- Near field appraisal and exploration position
- Complimentary renewable and CO<sub>2</sub> capture

**Goal - 2000 BOEPD by end 2021**

# ZISTERSDORF FIELDS - asset summary



- 100% Equity purchased from RAG Austria AG (RAG) in December 2019

- Acquisition price @ EUR 2.2 per boe of 2P reserve and circa 1x EBITDA

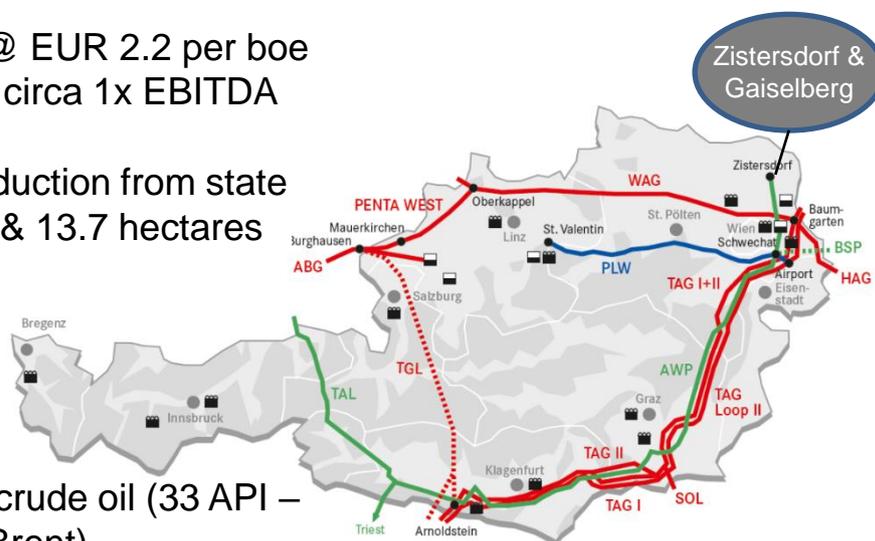
- Low emission production from state of the art facilities & 13.7 hectares agricultural land.

- High value sweet crude oil (33 API – 7.9% discount to Brent)

- 310 boepd stable production, low decline

- Large appraisal potential in Flysch proven oil & gas reservoirs

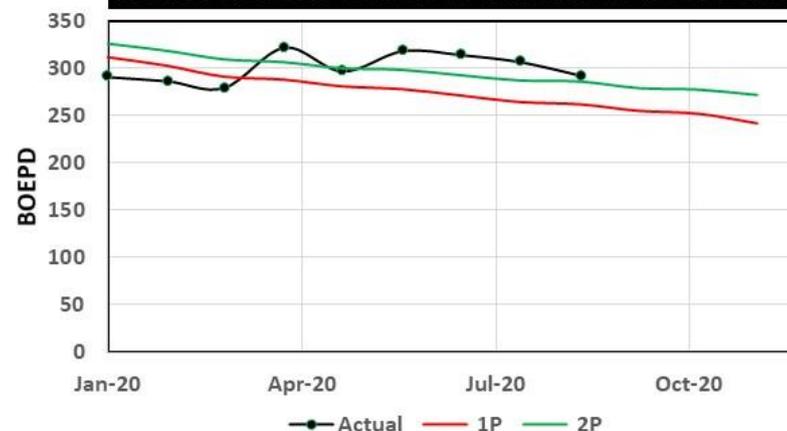
## MAP OF AUSTRIAN OIL & GAS INFRASTRUCTURE



**Current Austrian production of circa 25,000 bopd**



### Field Production exceeds 1P & 2P Audited Forecasts



Multilayer reservoir  
Producing since 1935

0.9 million Barrels 2P developed reserves

Large Appraisal from Flysch reservoirs

34 wells, 20 producers, 14 injectors

4,000 BOEPP production capacity

Pipeline to Schwechat refinery Vienna

# ZISTERSDORF FIELDS – growth & life extension opportunity



## Easy win workovers and recompletions (Developed Reserves)

- 50 producing Neogene reservoirs offer plenty of new perforation and workover opportunities (ESP's etc.) to tap new oil and accelerate production
- Developed reserves base supported by recent independent Audit.

## New infill drilling reserves additions (Undeveloped Reserves)

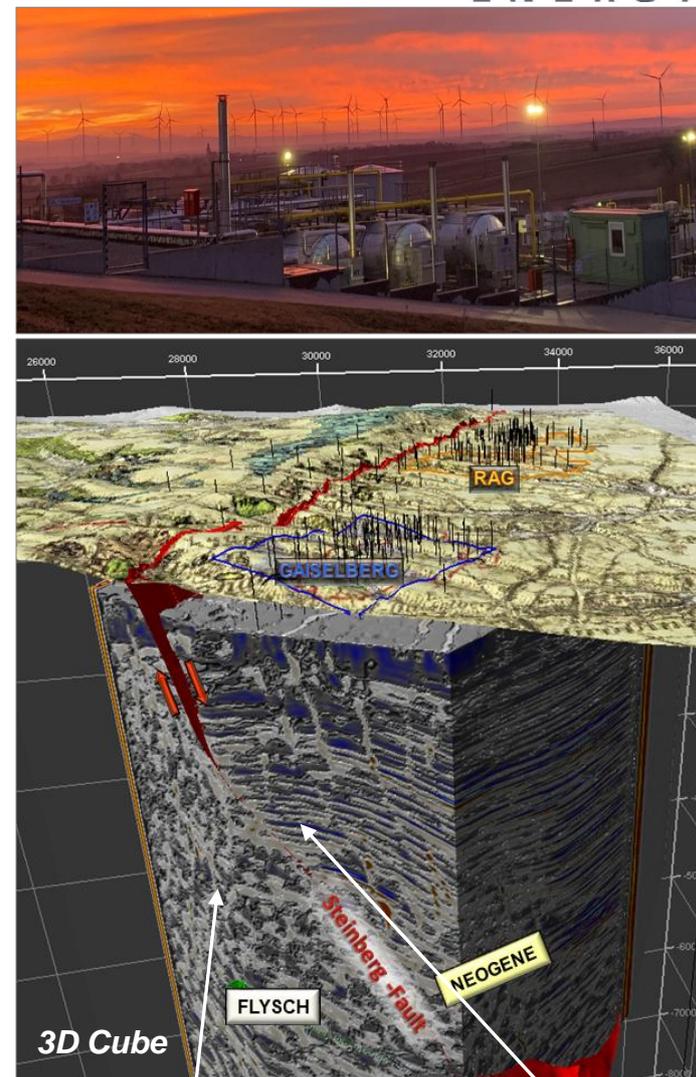
- Newly processed 3D seismic and production data has led to **two attic oil drilling projects** with significant reserves potential. One infill well is ready to drill with all authority permissions.
- The new 3D seismic has also delineated an **undrilled structure**.

## Large “FLYSCH” reservoirs upside potential

- Already producing in ADX fields and highly successful OMV horizontal well on the same mega structure (*just outside ADX – RAG field*)
- Underdeveloped due to younger and shallower prolific Neogene production and previously poor or no seismic imaging despite very large OIIP
- Recent ADX 3D reprocessing has delineated first Flysch drilling projects

## CO2 storage and hydrogen storage value add.

- 101 of the 116 IPCC climate models assume that carbon needs to be taken out of the air to meet the 2 degree target.
- The +50 ADX reservoirs also offer ideal conditions for hydrogen storage and are next to the largest wind and solar parks in Austria.



Field performing **above pre acquisition 2P** expectations

Audited 2P developed reserves of **0.9 MMboe exceed** initial estimates note 1

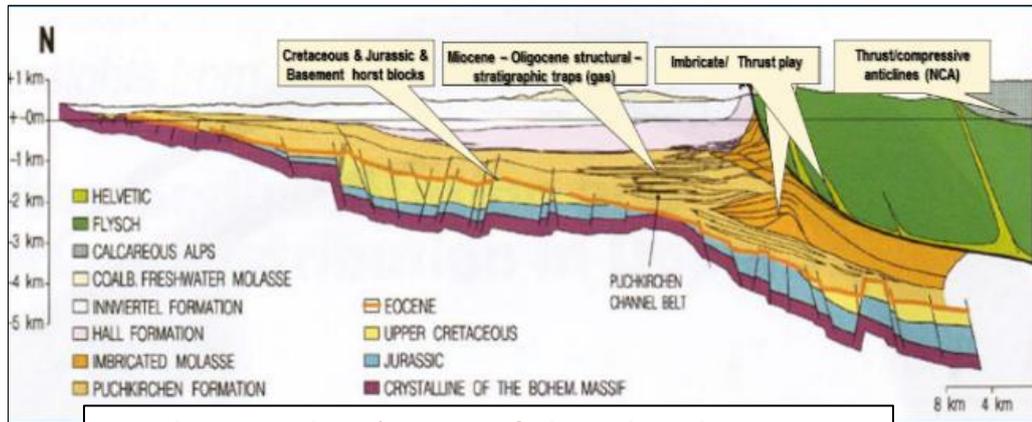
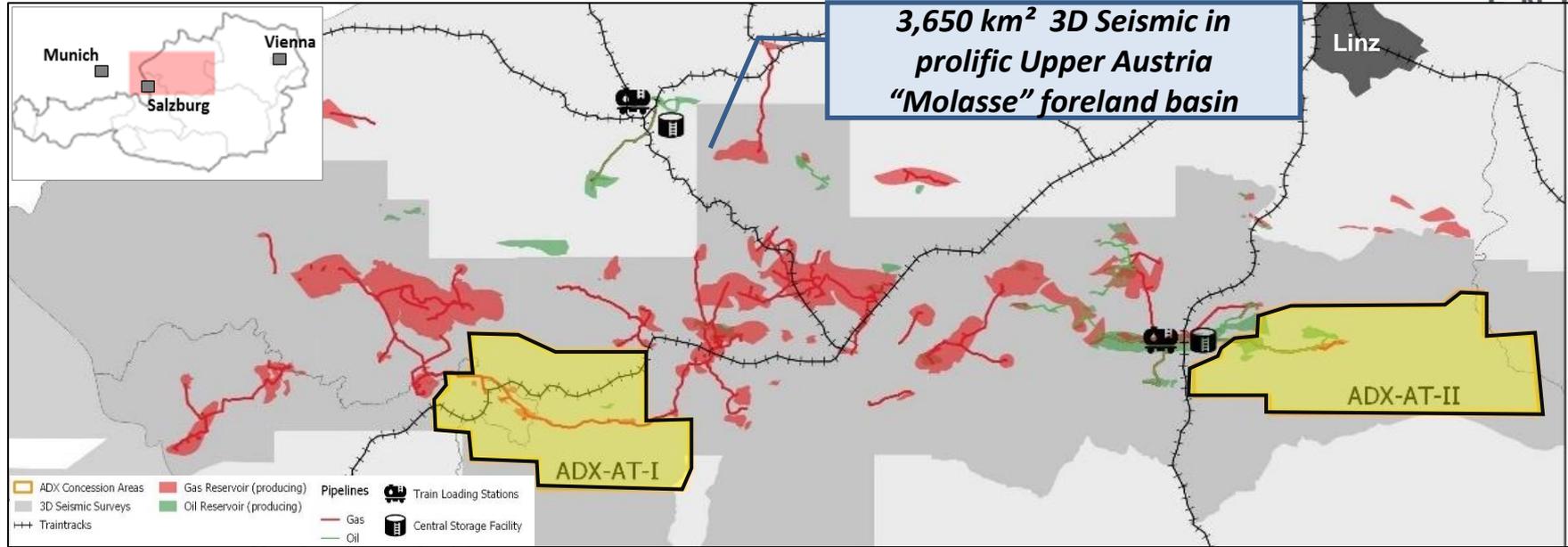
Infill Development Drilling projects in **Neogene** with new 3D seismic

Large upside in producing but underdeveloped Cretaceous “Flysch” sandstones

Reservoirs have ideal properties for energy storage and **CO2 sequestration**

**Note 1: Reserves Reporting Date: Gaiselberg and Zistersdorf in Austria 5/11/2020**

# UPPER AUSTRIA - exploration & appraisal overview



**Large number of proven & independent play types**



**Portfolio close to infrastructure: fast monetization**

Historical success rate of 47%, multiple play types

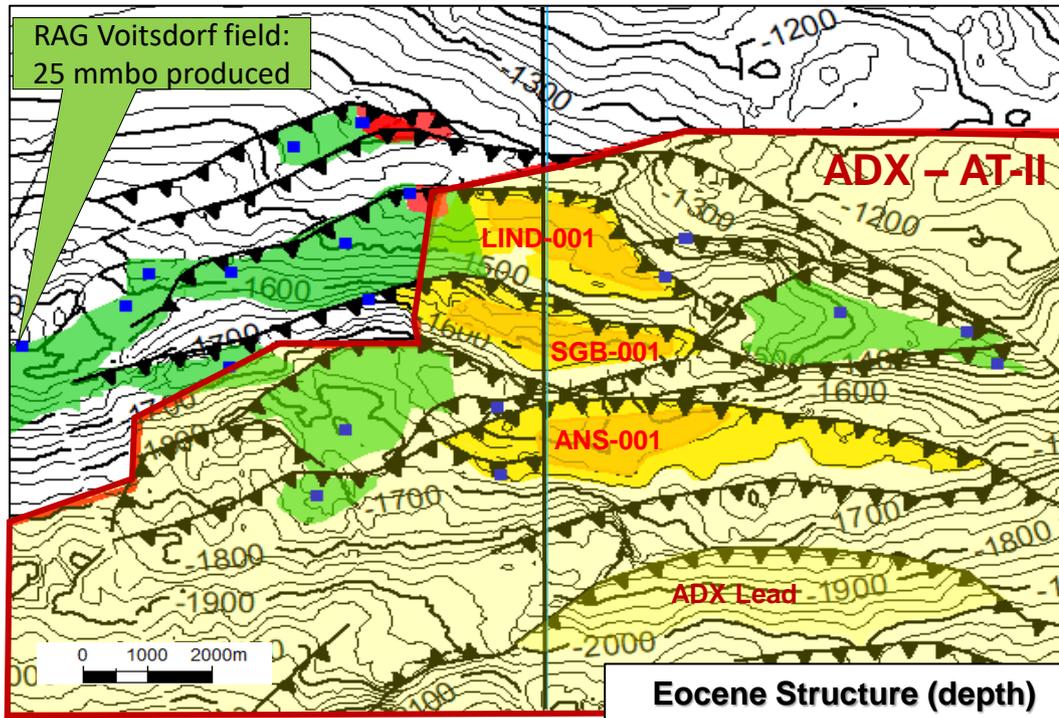
Balanced portfolio - low risk appraisal to high impact "company maker" prospects

3D seismic covered, drill sites partly ready

Proven geothermal sweet spot area and hydrogen storage possibilities

Infrastructure access contract with RAG being finalised

# UPPER AUSTRIA - oil appraisal examples



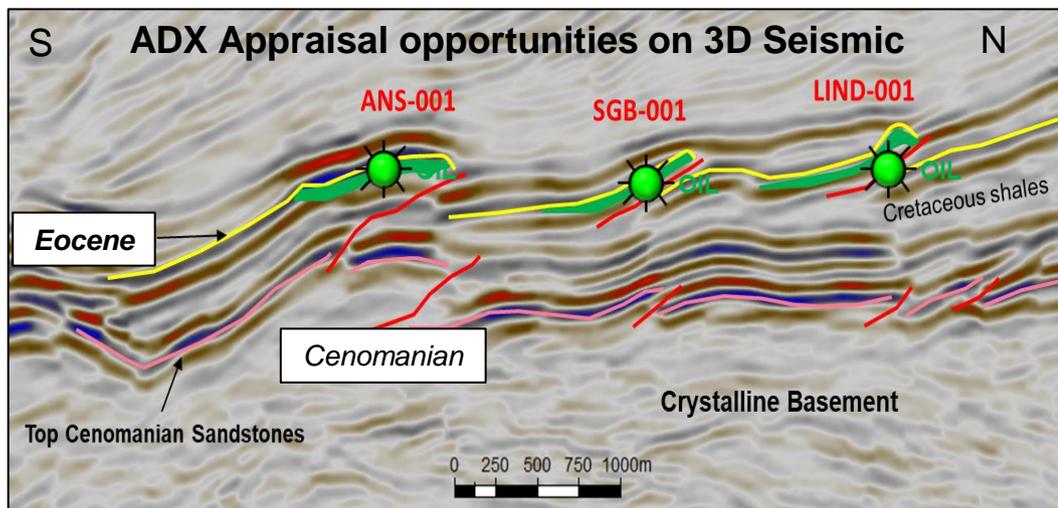
RAG producing oil fields



ADX appraisal / exploration projects

**Extensive prospect inventory developed with state of the art 3D seismic and years of basin experience. "A privileged position on day 1"**

- Acreage contains several appraisal prospects and on trend exploration opportunities proximal to the central RAG Voitsdorf oil production facilities.
- A new structural concept mapped on PSDM 3D seismic resulted in improved understanding of RAG oilfields extending into the ADX licenses. The good quality Eocene sandstone reservoirs & 1700meters drilling depth.
- Three excellent appraisal prospects shown here certain to be extensions of producing RAG oil fields >> low risk, medium sized, low cost.
- The deeper Cenomanian sandstones are proven exploration targets and offer further upside

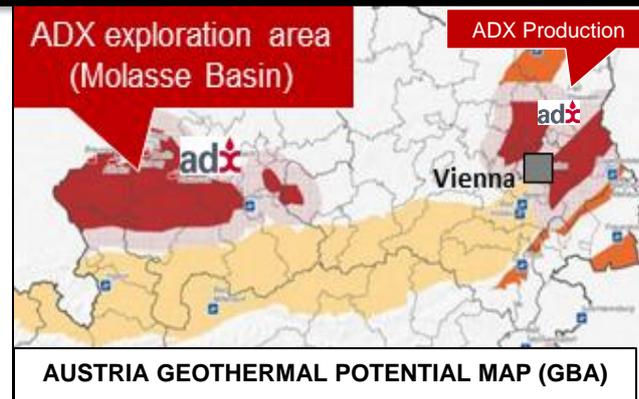




# UPPER AUSTRIA – coincident geothermal & HC potential

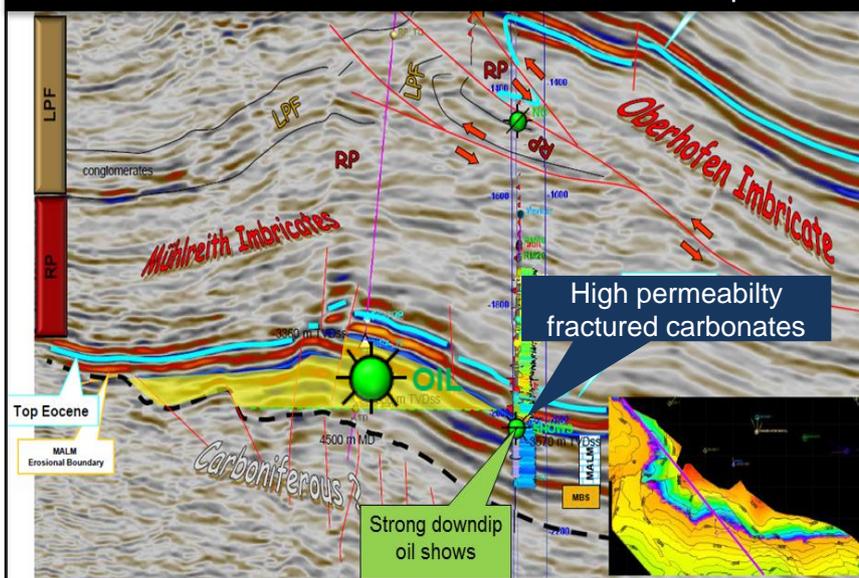
## PROVEN MOLASSE GEOTHERMAL PLAY EXTENDS FROM GERMANY INTO ADX ACREAGE

- Molasse Basin is a proven geothermal area with outstanding historic commercial success rates for oil & gas exploration (approx. 50%)
- High geothermal gradient & excellent proven reservoirs provides additional commercialization opportunities for HC exploration.
- The ADX portfolio examples shown are a deep high impact oil exploration prospect (*OHO - 1*) in the western part of the ADX acreage and a shallow gas appraisal/infill production well (*Steyer-3*).



### OHO “COMPANY MAKER” PROSPECT

Very large oil resources, proven Jurassic geothermal reservoir high flow rates and temperature –  
ELECTRICITY GENERATION, 4300 meter deep well



### “STEYER” GAS APPRAISAL – DEVELOPMENT

1300 meters updip appraisal of gas production well Steyer-2. Once depleted the local city district heating system can be supplied with geothermal energy



# STRATEGIC OBJECTIVES – laser focus on Austria



**Hedging Strategy:** Prudent protection of downside during period of oil price volatility through hedging of approximately 80% Gaiselberg and Zistersdorf production.



**Gaiselberg & Zistersdorf fields:** Build reserves and production base through workovers, infill drilling and appraisal of Flysch reservoirs utilising state of the art 3D seismic. Pursue potential utilisation for CO<sub>2</sub> storage and renewable technologies including green gas production and hydrogen storage.

- *Ideal place to produce oil – shallow drilling, low royalty, high value product and excellent infrastructure.*
- *Redeploy assets for renewable and carbon capture - creating value through services, carbon credits and life extension instead of abandonment. **“There is much life left in these assets”***



**Expand Austrian exploration portfolio:** Finalise exploration license position in upper Austria and MOU for infrastructure access. An excellent farmout opportunity with multiple drill ready prospects. Pursue proven geothermal prospects which enhance existing appraisal and exploration opportunities.

- *Walk in appraisal and exploration due to high quality 3D seismic availability, RAG basin data, experienced team and access to RAG infrastructure – exploration cycle reduced by 3 years and Euro millions saved.*



**Acquire further production assets:** Add synergistic potential production acquisitions to Austrian portfolio.

- *Well placed in terms of capability and knowledge of assets - surrounded by mature assets*



**Target European investors and acquisition finance support:** Increase European investor awareness, pursue European dual listing and source acquisition finance support for Austrian portfolio development.

***“A unique, opportunity rich asset base that will benefit from increased financial support”***

# FUTURE OF OIL & GAS – RENEWABLE'S & CO<sub>2</sub>??

CNN BUSINESS Markets Tech Media Success Perspectives Videos

## \$190 oil sounds crazy. But JPMorgan thinks it's possible, even after the pandemic



By Matt Egan, CNN Business

Updated 0033 GMT (0833 HKT) June 19, 2020

## B of A sees oil demand recovering and hikes crude forecasts

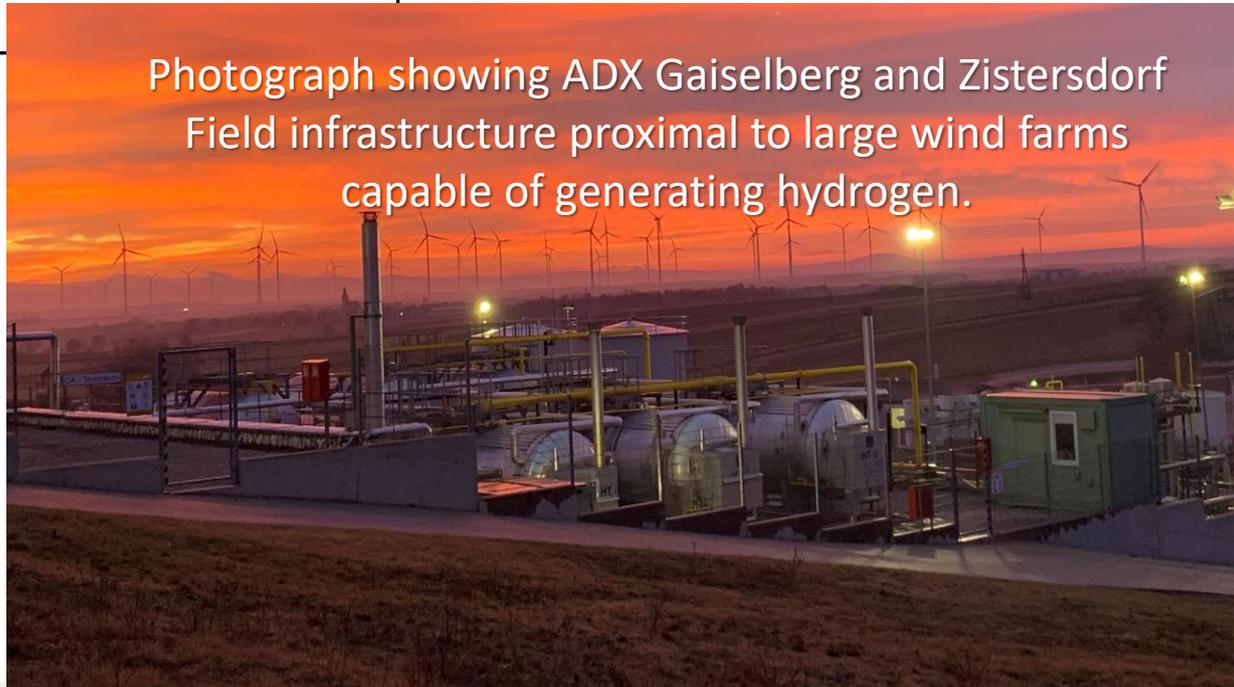
By Reuters Staff

## Santos closes in on project to trap carbon dioxide underground



By [Nic Toscano](#)

Energy giant Santos is confident it will be able to give the go-ahead for one of the world's cheapest carbon capture and storage projects in South Australia as the Morrison government indicates work is progressing to have the technology approved for federal carbon credits.



Photograph showing ADX Gaiselberg and Zistersdorf Field infrastructure proximal to large wind farms capable of generating hydrogen.

## Gearing up for a green gas future

The greening of the New South Wales gas network has taken a significant step forward.

The 500kw electrolyser will be located in Western Sydney. The technology will utilise solar and wind power to create carbon-neutral hydrogen gas to be stored in the Jemena Gas Network – the largest in Australia.

***“No need to pivot - ADX is very well placed in terms skills and assets to benefit from renewable and CO<sub>2</sub> storage technologies”***



**Executive Chairman:**

Ian Tchacos

[ian.tchacos@adxenergy.com.au](mailto:ian.tchacos@adxenergy.com.au)

**Chief Executive:**

Paul Fink

[Paul.Fink@adx-energy.com](mailto:Paul.Fink@adx-energy.com)

**Finance Manager and Company Secretary:**

Amanda Sparks

[amanda.sparks@adxenergy.com.au](mailto:amanda.sparks@adxenergy.com.au)



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