



ENERGY SECURITY IN SE EUROPE

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IENE 15TH SOUTH EAST EUROPE ENERGY DIALOGUE – ENERGY SECURITY
MARKET TRANSITION AND SECURITY IN SE EUROPE

“THE MET HOTEL”

THESSALONIKI, JUNE 19-20, 2024

New Energy Supply Sources for SEE

More Indigenous Production

- Additional NG Supply from Caspian
- Additional LNG supply
- Romania Black Sea off-shore NG development
- Türkiye Black Sea off-shore NG development
- Eastern Mediterranean NG
- NG from Iraq
- Accelerated deployment of Renewables
- Power supply from Caspian
- Power supply from Eastern Mediterranean
- Nuclear power from Bulgaria, Romania, Türkiye

WESTERN BLACK SEA – A NEW GAS BONANZA?

Neptun Deep-Romania Development:

Sakarya-Türkiye Exploration/Production/Development:

Khan-Asparuh-Bulgaria Exploration:

First gas in 2027, 100 bcm cumulative

First gas in 2023, 14 bcm in 2028

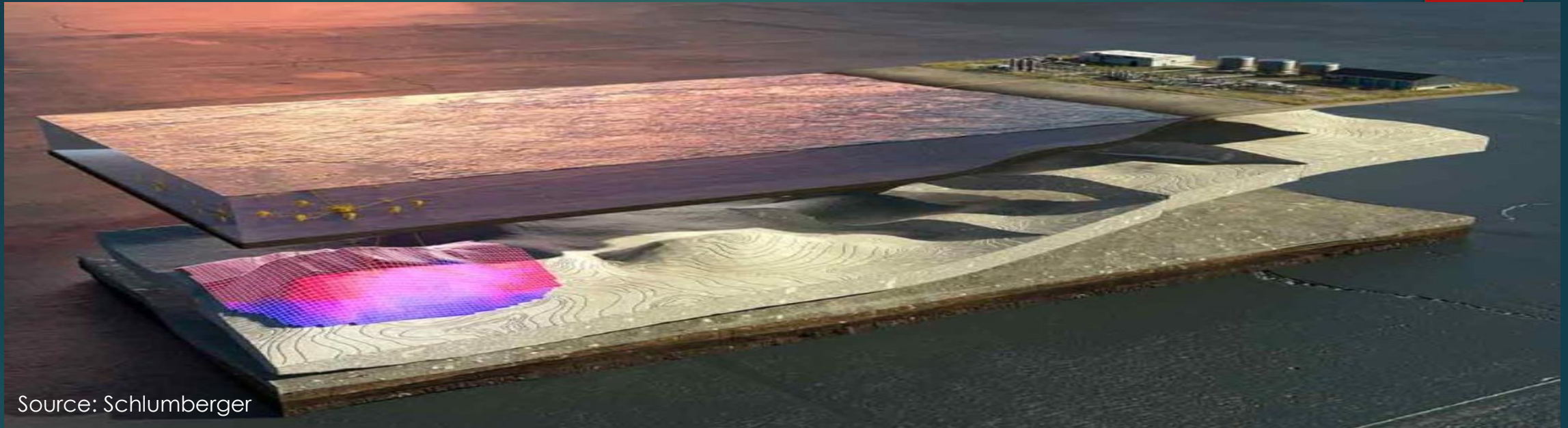


Black Sea Offshore Sakarya Field-Türkiye



Ultra deep reservoir in Pliocene and Miocene sandstones,
2200 m water depth,
Discovery of 320 bcm reserves at 4525 m Tuna-1 well: Jul 2020
Additional discoveries in Oct 2020, June 2021 and Dec 2022
25th drilling Göktepe-2 started on May 23, 2024
710 bcm cumulative reserves

Black Sea Offshore Sakarya Field-Türkiye



Source: Schlumberger

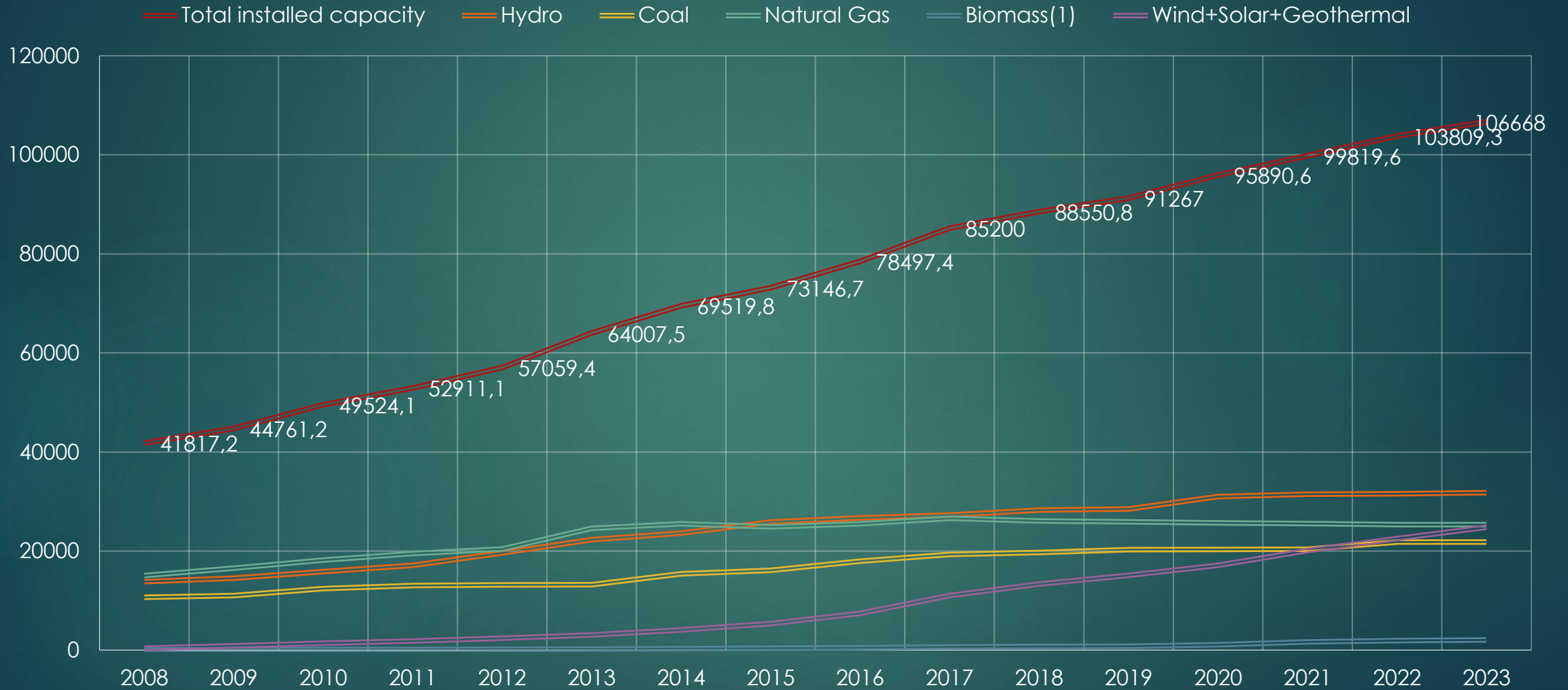
Phase 1 development EPCI contract for 10 mcm/d from 10 wells :	Oct 2021
First gas supply:	Apr 2023
Phase 2 development EPCI contract:	May 2023
Extension of Phase 2 contract to include the installation of FPU:	May 2024
Plateau production target of 40 mcm/d:	2028
Recent production level 5 mcm/d:	May 2024

Renewables Deployment



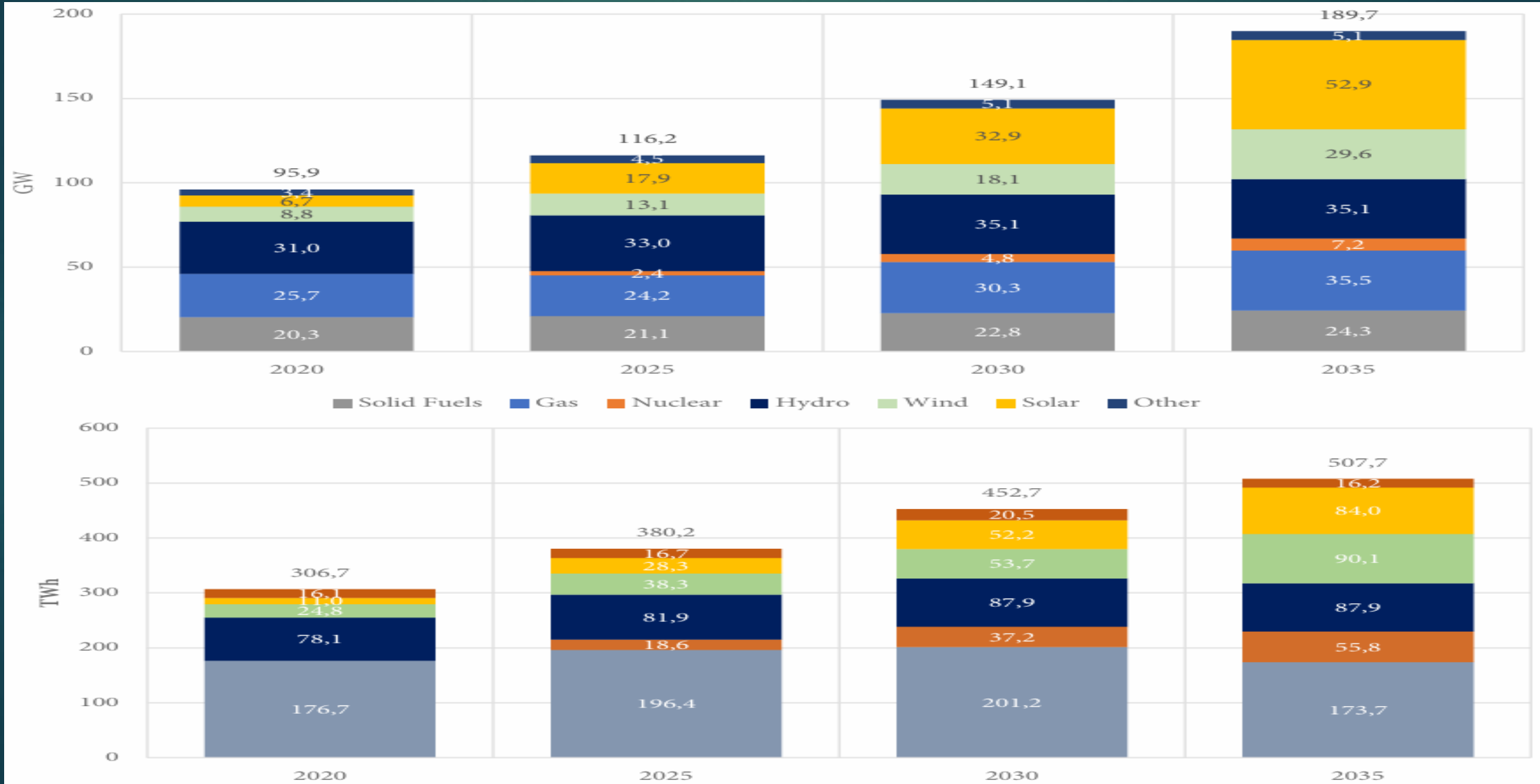
- All countries in the region promoting renewable energy
- Greece, Romania and Türkiye installing largest capacities
- Electricity transmission and interconnection infrastructure need to be reinforced

Development of installed capacity Türkiye



Türkiye National Energy Plan 2020-2035

Installed Capacity and Electricity Generation by Source



Nuclear is Part of the Energy Security

Bulgaria, Romania and Türkiye are actively promoting nuclear energy

- Bulgaria: Kozloduy VII and VIII units, Westinghouse AR-1000 reactors
- Romania: Cernavoda, two new Candu-6 reactors, SMR project
- Türkiye: Akkuyu four VVER-1200 reactors, Sinop and İğneada project, SMR project

Nuclear is Part of the Energy Security

Akkuyu Nuclear Power Plant Mersin Province

Reactor design: NPP 2006 (WER-1200), 4 x 1200 MW

Construction period: 2018-2028

12 May 2010: IGA has been signed

IGA has been ratified in both parliaments

12 Dec 2013: Updated site report approved

01 Jan 2014: Environmental impact assesment approved

25 Jun 2015: Preliminary Generation license issued

09 Feb 2017: Design parameters approved

03 Apr 2018: Ground breaking ceremony of the first unit

23 Apr 2023: Fresh nuclear fuel for Unit 1 delivered

11 Apr 2024: Commissioning stage of the first unit started

Other Projects

Sinop NPP Inceburun, Sinop Province,

İğneada NPP, Kırklareli Province,

Ongoing negotiations with RF, China, S. Korea

Small Modular Reactor Project

Talks with UK, USA, France





Thank you

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