

# Opec+ seen sticking to oil rise plan despite EU sanctions



Reuters Dubai/London

Opec+ is set to stick this week to its monthly modest oil output increases despite seeing tighter global markets, five Opec+ sources said on Wednesday as the group fast approaches its maximum production capacity.

Oil prices rallied above \$124 per barrel this week following new EU sanctions against Russia over its invasion of Ukraine and China's recovery from the latest Covid-19 lockdown.

The world's most industrialised countries, known as G7, called again this week on Opec to help ease a global energy crunch that worsened as a result of Western sanctions imposed on Russia.

Opec, which meets on Thursday together with allies such as Russia as part of a group called Opec+, has repeatedly rebuffed calls for faster production increases. Opec+ is widely expected to raise July output targets by 432,000 bpd.

The group's record output-cutting deal, clinched in 2020 at the height of global lockdowns, expires this September by which time the group will have limited spare capacity to increase production further.

Its lead member Saudi Arabia is producing 10.5mn bpd and has rarely tested sustained production levels above 11mn bpd.

Together with fellow Gulf Opec member, the United Arab Emirates, Opec is estimated to have less than 2mn bpd of spare capacity.

"There is not much spare oil in the market to replace potential lost barrels from Russia," said Bjarne Schieldrop, chief commodities analyst at SEB bank.

He said the EU ban will likely result in Russia selling less oil but at a higher price and probably earning just as much if not more.

Western sanctions imposed on Russia may result in production and export cuts from the world's second largest oil exporter of as much as 2mn-3mn bpd, according to various estimates.

However, Russian production has been holding strong so far as Moscow said it is managing to re-route volumes from Europe to Asian buyers, hungry for Russian oil, which sells at a steep discount.

The Wall Street Journal reported on Tuesday, citing Opec delegates, that some Opec members were considering the idea of suspending Russia from the deal to allow other producers to pump significantly more crude as sought by the United States and European nations.

The report came as US diplomats work on organising President Joe Biden first visit to Riyadh after two years of strained relations.

Two Opec+ sources told Reuters an Opec+ technical meeting on Wednesday did not discuss the idea of suspending Russia from the deal.

Six other Opec+ delegates said the idea was not being discussed by the group.

Russian Foreign Minister Sergei Lavrov, on a visit to Saudi Arabia, said on Wednesday that Opec+ co-operation was relevant

for Russia.

Opec+ expects an oil market surplus of 1.4mn barrels per day (bpd) in 2022, 500,000 bpd less than previously forecast, two Opec+ sources told Reuters on Wednesday.

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## **Gazprom cuts more customers in Europe, but rewards shareholders with dividend**



Russian gas giant's exports have fallen 28% this year, and decline would have been higher were it not for European push to replenish gas storage

Gazprom has announced it has halted gas supplies for two more customers in Europe, effective from 1 June, after both declined to accept changes in payment terms imposed by the Russian company's foreign trading subsidiary.

Gazprom identified Denmark's Orsted Salg & Service and UK-

based Shell Energy Europe as the affected customers.

The Russian company added that it supplied close to 2 billion cubic metres of gas to Orsted in 2021, equivalent to about two thirds of Denmark's natural gas consumption.

Gazprom added that its contract with Shell Energy Europe called for the delivery of 1.2 Bcm of gas in 2022, mostly to consumers in Germany.

UPDATED: EU agrees to ban 90% of Russian oil imports by end of year

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According to Gazprom, both customers had failed to switch to a new payment system by 31 May, even after they were requested to do so by the Russian government.

At the end of March, Russian President Vladimir Putin ordered Gazprom to amend its contracts with European customers to divert their payments in euros or US dollars for delivered gas to Moscow-based Gazprombank.

These payments would then have to be fully converted into rubles and credited to Gazprom's local accounts in order for payments for gas deliveries to be considered completed.

Orsted chief executive Mads Nipper said: "We stand firm in our refusal to pay in rubles, and we've been preparing for this scenario, so we still expect to be able to supply gas to our customers.

"The situation underpins the need of the European Union becoming independent of Russian gas by accelerating the build-out of renewable energy."

Since there is no gas pipeline running directly from Russia to Denmark, Russia will not be able to cut off the gas supplies to Denmark directly, but the Russian move will necessitate increased gas purchases on the European gas market, Orsted

said.

Halting supplies to Shell Energy Europe and Orsted follows similar moves by Gazprom in recent weeks to stop gas supplies to Finland, Poland and Bulgaria.

Executive director of Ukraine's gas transmission authority Operator GTS Ukrainy, Sergey Makogon said on his social network page that he believed it is time for the EU to introduce restriction on the Nord Stream subsea pipeline that carried Gazprom's gas directly to Germany.

Officials in Ukraine and Poland, together with independent industry observers, have led a chorus of accusations against Russia for what they describe as the "weaponsising" of the Russian pipeline gas to exert geopolitical leverage in Europe.

Despite its contractual obligations to send close to 110 million cubic metres of gas via Ukraine to Europe in 2022, Gazprom has been scaling down shipments, with transit gas flows down to 41 MMcmd just this week.

Gas exports down, dividend up

Between January and May, Gazprom's gas exports to Europe and Turkey fell by almost 28% to 61 Bcm, the company said on Wednesday.

Gazprom's total gas production during this period also declined by 5% to just over 211 Bcm.

Ignoring the challenging market outlook, Gazprom announced record high dividends on its stock for 2021, amounting to 1.24 trillion rubles (\$20.7 billion).

The government is set to receive just over a half of that payment as it holds an over 50% shareholding in the company.

Managing partner at Moscow based energy consultancy RusEnergy, Mikhail Krutikhin, suggested that such high payout may be

linked to additional expenses that Russian authorities incur in relation to the invasion of Ukraine.

According to Krutikhin, authorities may not see similar high dividend payments from Gazprom for 2022 because its profitability may decline as a result of lower gas exports.

Meanwhile, spot market gas prices declined by almost 6% to about €89 (\$96) per megawatt in Wednesday trading on Wednesday, according to the London-based ICE Exchange.

The shift was attributed to reports of large customers of Gazprom in Europe accepting the new payment arrangement.

[https://www.upstreamonline.com/production/gazprom-cuts-more-customers-in-europe-but-rewards-shareholders-with-dividend/2-1-1228805?utm\\_source=email\\_campaign&utm\\_medium=email&utm\\_campaign=2022-06-01&utm\\_term=upstream&utm\\_content=daily](https://www.upstreamonline.com/production/gazprom-cuts-more-customers-in-europe-but-rewards-shareholders-with-dividend/2-1-1228805?utm_source=email_campaign&utm_medium=email&utm_campaign=2022-06-01&utm_term=upstream&utm_content=daily)

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## **EU agrees gradual oil embargo on Russia, gives Hungary exemptions**



Reuters / Brussels

European Union leaders have agreed an embargo on Russian oil imports that will kick in around the turn of the year – and for now exempts the pipeline imports that Hungary and two other landlocked Central European states rely on.

The ban, agreed overnight after weeks of wrangling, aims to remove 90% of Russia's crude imports into the 27-nation bloc within eight months or so, officials said.

It is the toughest sanction yet on Russia for its invasion of Ukraine, and one that will affect the EU itself.

Russia provided just over a quarter of EU oil imports in 2020, while Europe is the destination for nearly half of Russia's crude and petroleum product exports.

"The sanctions have one clear goal: To prompt Russia to end this war, to withdraw its troops, and to agree a sensible and fair peace with Ukraine," German Chancellor Olaf Scholz said.

Ukraine said they would deprive the "Russian military machine" of tens of billions of dollars.

French President Emmanuel Macron said nothing could be ruled out regarding further sanctions, although other leaders poured cold water on the idea of banning purchases of Russian gas, which Europe depends on heavily.

EU countries will have six months to stop imports of seaborne Russian crude and eight months for refined products, the European Commission said.

That timeline will start once the sanctions are formally adopted, which EU states aim to do this week.

The deal was reached only after the EU's other leaders agreed to give Hungary a free pass, having failed to win it over in weeks of talks.

Two-thirds of the Russian oil imported by the EU comes by tanker and the rest through the Druzhba pipeline.

Poland and Germany are among the pipeline importers, but have pledged to stop by the end of the year.

Landlocked Hungary, Slovakia and the Czech Republic all get their Russian oil from Druzhba and account for the 10% of imports temporarily exempted from the embargo.

Bulgarian Prime Minister Kiril Petkov said his country had also secured an exemption until the end of 2024, since its refinery is designed to receive only Russian crude.

Oil prices rose after the EU's agreement, stoking inflation, which hit a record 8.1% year-on-year in euro zone countries this month.

The oil embargo follows an earlier ban on Russian coal and allows the bloc to impose a sixth round of sanctions that includes cutting Russia's biggest bank, Sberbank, off from the SWIFT international transaction system.

Commission chief Ursula von der Leyen said the package would also ban EU firms from insuring or reinsuring ships carrying Russian oil. Several countries already want to start work on a seventh round, but Austrian Chancellor Karl Nehammer said it could not include gas – where Russia supplies a third of EU needs.

“Russian oil is much easier to compensate for...gas is completely different, which is why a gas embargo will not be an issue in the next sanctions package,” Nehammer said.

Russian analysts and traders said the phasing-in of the embargo gave Moscow time to find new customers in Asia.

“Although the measures announced by the European Union look



threatening, we don't see a crippling impact on the Russian oil sector – neither imminent, nor in six months,” analysts at Sinara Investment Bank said.

Beyond the sanctions, EU leaders asked the bloc's executive Commission to explore options to tackle soaring energy prices. These include “temporary import price caps”, which should be explored with international partners, their conclusions said.

They also endorsed a Commission plan to wean the EU off all Russian fossil fuels within years through a faster rollout of renewable energy, improvements in saving energy, and more investments in energy infrastructure.

And they called for better EU-wide contingency planning in case of further gas supply shocks.

Moscow on Wednesday cut gas supplies to the Netherlands for refusing to comply with a demand to pay in roubles, having already cut off Poland, Bulgaria and Finland.

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## **Dismantling the fossil-fuel economy at Stockholm+50**



Our planet is facing a triple crisis of climate, nature, and pollution, with one common cause: the fossil-fuel economy. Oil, gas, and coal are at the root of runaway climate disruption, widespread biodiversity loss, and pervasive plastic pollution. The conclusion is clear and must be paramount when political leaders gather in Stockholm this week to commemorate the 50th anniversary of the first United Nations Conference on the Human Environment. Any effort to address these existential threats to human and ecological health will mean little as long as the fossil-fuel economy remains intact.

As UN Secretary-General António Guterres recently noted, fossil fuels are choking our planet. In the last decade, their combustion accounted for 86% of global carbon dioxide emissions, for which just a few actors bear overwhelming responsibility. In fact, nearly two-thirds of all CO<sub>2</sub> emitted since the Industrial Revolution can be traced to just 90 polluters, mostly the largest fossil-fuel producers.

Yet, rather than reining in the polluters, the world's governments are currently planning to allow more than twice as much fossil-fuel production in 2030 than would be consistent with the goal – agreed under the 2015 Paris climate agreement – of limiting global warming to 1.5C above pre-industrial

levels. And when it comes to the damage wrought by fossil fuels, higher global temperatures and intensifying extreme weather events are only the beginning.

Last year, the UN Special Rapporteur on Toxics and Human Rights, Marcos A Orellana, affirmed what frontline communities have long known: fossil-fuel production generates toxic compounds and pollutes air, water, and soil. Air pollution from burning fossil fuels was responsible for about one in five deaths worldwide in 2018. Moreover, oil and gas are the building blocks of the toxic chemicals, pesticides, and synthetic fertilisers that are pushing ecosystems and species to extinction. These fossil-fuel-based products perpetuate an economic and agro-industrial model that drives deforestation, destroys biodiversity, and threatens human health.

Fossil fuels are also behind the proliferation of plastics, which are accumulating in even the most remote areas of the planet, from the top of Mount Everest to the bottom of the Mariana Trench. Ninety-nine percent of all plastics are made from chemicals derived from fossil fuels, predominantly oil and gas. The production of petrochemical feedstocks for plastics and the use of fossil fuels throughout the plastics value chain are boosting demand for oil and gas and exposing millions of people to toxic pollution.

As if that were not enough, fossil fuels foment and fund violent conflict around the world. The fossil-fuel economy is enabling Russian President Vladimir Putin's war in Ukraine and the humanitarian crisis it has created. In the seven years after Russia illegally annexed Crimea, eight of the world's biggest fossil-fuel companies enriched Russia's government by an estimated \$95.4bn. Russia's revenues from energy exports have soared since the invasion of Ukraine in February, which drove up prices. And big Western oil companies, cashing in on the conflict, have raked in record profits.

Instead of facing accountability, the oil and gas industry and its allies are exploiting the Ukraine crisis to push for even more drilling, fracking, and exports of liquefied natural gas (LNG) all around the world. But new fossil-fuel

infrastructure, which will take years to bring online, will do nothing to address the current energy crisis. Instead, it will only deepen the world's dependence on fossil fuels, enhance producers' ability to wreak havoc on people and the planet, and push a climate-safe future further out of reach.

As world leaders gather for Stockholm+50, breaking our addiction to fossil fuels should be the top priority. Yet fossil fuels are conspicuously absent from the official concept note and agenda, and they are barely mentioned in the background papers of the three Leadership Dialogues that are supposed to inform the summit's outcome.

This omission is no accident. The fossil-fuel lobby has decades of experience sowing doubt about the damage the industry is causing and obscuring the link between fossil fuels and the toxic chemicals used in industrial agriculture and plastic products. When outright denial has not worked, the industry has touted false solutions, including speculative technological fixes, market mechanisms with gigantic loopholes, and misleading "net-zero" pledges. The goal is to divert political attention from the urgent action needed to end reliance on fossil fuels and scale-up proven approaches, like renewable energy, agroecology, and plastic reduction and reuse.

Such transformative action is precisely what Stockholm+50 must deliver. Participating governments and decision-makers must acknowledge that fossil fuels are the main driver of the triple crisis we face, and they must set a bold agenda for halting fossil-fuel expansion, ensuring a rapid and equitable decline of oil, gas, and coal, and accelerating a just transition to a fossil-free future.

One possible feature of such an agenda would be a Fossil Fuel Non-Proliferation Treaty – an initiative that has attracted wide support, including from thousands of civil-society organisations, hundreds of scientists and parliamentarians, more than 100 Nobel laureates, and dozens of municipal governments. To spur progress, a broad range of stakeholders – including representatives of indigenous communities,

governments, international institutions, and academia – will gather the day before Stockholm+50 for the Pre-Summit on the Global Just Transition from Fossil Fuels.

In parallel with the Stockholm meeting, an intergovernmental negotiating committee, convened by the UN Environment Programme, is gathering in Dakar to develop a legally binding global plastics treaty. Crucially, the treaty will have to take a comprehensive approach that addresses the full plastic life cycle, beginning with fossil-fuel extraction.

If we have learned one thing in the 50 years since the first Stockholm conference, it is that a future tied to fossil fuels is no future at all. To tackle the converging crises of climate change, biodiversity loss, and petrochemical and plastic pollution, Stockholm+50 has no alternative but to confront oil, gas, and coal head-on. – Project Syndicate

- *Nikki Reisch is Director of the Climate and Energy Program at the Center for International Environmental Law.*

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## **Saudi tucks away billions in oil money for next year**



Bloomberg Riyadh/London

Saudi Arabia will hold billions of dollars from its oil windfall in a government current account until the end of the year, when it will decide how to distribute it – marking a shift in its strategy from previous boom periods.

In the past, higher oil prices and output would quickly translate into rising foreign reserves and deposits in local banks, and often lead to a swift boost in government spending. This time, the government won't spend the money until it's rebuilt reserves depleted during eight years of subdued oil prices. It could then use some of the cash to repay debts and pour it into state investment vehicles, including the powerful Public Investment Fund (PIF) and the National Development Fund, which focuses on domestic infrastructure.

“The surplus achieved in Q1 is shown in the government current account and has not yet been deposited to government reserves nor transferred to other groups,” Finance Minister Mohamed al-Jadaan said in a statement to Bloomberg. “This allocation will occur after the surplus is realized, which means after the closing of the fiscal year.”

The government's current account held at the central bank rose by 70bn riyals (\$19bn) in the first quarter of the year, when

Saudi Arabia reported a \$15bn budget surplus.

The finance ministry's comments solve a mystery that had stumped some analysts covering Saudi Arabia; they were waiting to find out where those billions of dollars would show up.

The world's largest crude exporter has seen revenues soar on the back of \$100 oil and rising production. Oil gross domestic product is expected to grow 19% this year, al-Jadaan said at the World Economic Forum in Davos, Switzerland.

If crude prices remain that high, Saudi Arabia's total oil exports are estimated to reach \$287bn this year, according to Ziad Daoud, chief emerging markets economist at Bloomberg Economics.

Officials had previously said that much of the extra money would be used to accelerate efforts to diversify the economy away from oil – currently Saudi Arabia's main source of income.

"The windfall from the additional revenues that we will get from high oil prices will be essentially invested in resilience," Faisal Alibrahim, Minister of Economy and Planning, told Bloomberg in an interview at Davos. "Whether it's replenishing reserves, paying off debt or investing in unique transformational projects through our wealth fund, that really helps us accelerate the diversification plans."

The kingdom's \$600bn sovereign wealth fund, the PIF, is at the heart of Prince Mohamed bin Salman's plan to overhaul the economy and invest in new non-oil industries like tourism.

It owns most of the kingdom's mega-projects, including Neom – a \$500bn new city – as well as tourism developments on the Red Sea coast and a massive entertainment complex planned near Riyadh.

"The responsibility of boosting growth has shifted to state-owned entities ex-budget, led by PIF," Mohamed Abu Basha, head of macroeconomic research at Egyptian investment bank EFG Hermes, wrote in a note. That leaves "the transmission of high oil prices to the economy more indirect than at any time in history."

Reserves jumped in March, supported by dividend payments from

oil giant Aramco. But the increase was smaller than it was in the same period last year, when oil prices averaged above \$60 a barrel.

One part of the economy that hasn't benefited is the domestic banking system. In the past high oil prices would mean an influx of cheap deposits into the Saudi banks, helping to keep local currency lending rates low.

Yet Saudi banks are facing the tightest liquidity conditions since 2016, as measured by the three-month Saudi Interbank Offered Rate, or SAIBOR, despite soaring oil prices. It took off even before an overall 75 basis-point interest rate hike by the US Federal Reserve so far this year.

"The increase in SAIBOR rates reflects some of the lag between the surge in oil prices and the domestic liquidity boost," said Carla Slim, economist at Standard Chartered Plc. "Excess liquidity in the banking system, as measured by volumes deposited in Saudi Arabian Monetary Authority's reverse repo facility, has contracted sharply."

The finance ministry said in its statement that money supply was ample.

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## **Sun-starved Sweden turns to solar to fill power void**





## **Bloomberg**

Sweden, known for its long dark winters with barely any daylight, is seeing a solar power boom.

Harnessing whatever sunshine the country gets is emerging as the quickest solution to fill part of the void left by two closed nuclear reactors in southern Sweden, where the biggest cities and industries are located. With shortages piling up in the region and consumers keen to secure green energy at stable prices, solar is quickly catching up with wind as developers put panels on rooftops and underutilised land in populated areas.

While the lack of sunlight is a hindrance, every bit of new electricity capacity will lower imports from Europe where prices are more than three times higher than in the rest of Sweden. Projects are also getting built quickly because developers are directly getting into power sales deals with consumers and aren't dependent on government support, said Harald Overholm, CEO of Alight AB, which started Sweden's biggest solar plant this month.

Companies are targeting a quick ramp-up, pushing total

capacity in the country to 2 gigawatt this year. That's more than the two nuclear reactors in Ringhals that were halted in 2020, and will close the gap with Denmark, an early mover in the industry in the region.

"We are very good at creating contracts directly with commercial partners that use power, and that is what drives our development," said Harald Overholm, CEO of Alight.

The past winter has demonstrated the hole left behind by the two atomic reactors, with the government facing the task of resolving a divergent market. While vast hydro and wind projects have kept the cost of electricity in the sparsely populated north in check, a lack of generating capacity and congested grids have forced the south at times to import power.

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**R. Baroudi (CEO Energy & Environment Holding): "Key" to Europe's energy independence, Eastern Mediterranean deposits of hydrocarbons and offshore wind farms**



Αθήνα, 27.05.2022 – “Climate change and market instability are the two main parameters in recent years for the global energy market,” highlighted Mr. Roudi Baroudi, CEO of Energy & Environment Holding at his speech on the second day of the 10th Athens Energy Dialogues conference on May 26-27.

According to Mr. Baroudi the goal is a new energy mix that is both environmentally sustainable and economically viable. Another crucial point is that reliability of cleaner and greener sources are not yet sufficient to fully meet demand, and getting there will require years of planning, investment, and construction. If we take existing technologies offline before newer ones can replace them, the resulting shortages will cause prices to spike, driving up the cost of living and

causing whole economies to collapse. On the other hand, if we wait too long to decarbonize the global economy, climate change threatens to inflict even greater damage.

The Russian invasion to Ukraine has changed the geopolitical status quo, according to Mr. Baroudi.

The war in Ukraine, has exposed not only Europe's dangerous over-reliance on natural gas and other energy imports from Russia, but also the extent to which disrupting that relationship could wreak havoc around the world. Ever since Moscow launched its invasion in late February, the European Union has been hesitant to impose sanctions on Russia's energy industry because it lacks other alternatives, and it lacks those alternatives because of a years-long hesitance to maintain a sufficiently diverse basket of sources and suppliers.

The continent also suffers from inadequate regasification capacity, which means it cannot fully replace piped gas from Russia with seaborne loads of LNG from other countries.

Mr. Baroudi highlighted that there are solutions for all of these problems, and some are already under way.

"Europe could also bolster its energy security by helping to develop the increasingly promising gas fields of the Eastern Mediterranean, the output of which could then be linked by undersea and/or overland pipeline to the European mainland. The utility of these and other moves would also be significantly enhanced by building new storage facilities for both LNG and conventional gas, which would make Europe a lot more resistant to future supply disruptions," said Mr. Baroudi.

But most importantly in the long term, Europe needs to seize the opportunity presented by the great potential for offshore wind energy in the Mediterranean, since making full use of this potential – just in the coastal waters – could generate

at least some 500 MILLION megawatts of electricity: in other words, the same as the entire global nuclear industry.

The Mediterranean region – including both its EU and non-EU components – can and should be a huge part of this drive for a dual resiliency against economic and environmental challenges alike. European investments in MENA countries' energy output makes sense for several reasons, including lower labor and other construction costs, as well as more diversified – and therefore more reliable – energy supplies.

About a week ago, the European Commission outlined a new plan to end Europe's dependence on Russian gas, one that envisions spending of more than 200 billion Euros over the next five years. That is a significant number, but now the plan needs to be funded.

This means that not just the EU itself but also the European Investment Bank, the World Bank, and the IMF – all need to open up their vaults. Needless to say, the private sector would do well to get in on the action as well.

Unfortunately, it is too late to prevent war in Ukraine. But the faster Europe moves effectively to end its reliance on Russian gas, embraces closer partnership with its Mediterranean neighbors, and achieves the full independence of its foreign policy, the sooner it can help to restore the peace – and prevent similar calamities in the future.

#athensenergydialogues #energy #climate #climatechange  
#renewableenergy #sustainability #climateaction  
#energyindustry #tsomokos

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# R. Baroudi: «Απόλυτα εφικτό η Ελλάδα να αποτελέσει στρατηγικό ενεργειακό κόμβο για την Ευρώπη»



**newmoney**

*Ένα από τα σημαίνοντα στελέχη της παγκόσμιας ενεργειακής αγοράς εξηγεί πώς προέκυψε η τέλεια ενεργειακή καταιγίδα – Τι λέει για τις άστοχες πολιτικές της Ευρώπης*

Ο Roudi Baroudi έχει 40 χρόνια διεθνή εμπειρία στους τομείς

του πετρελαίου και του φυσικού αερίου, των ανανεώσιμων και πράσινων πηγών και των ενεργειακών υποδομών. Η καριέρα του ξεκίνησε από τις Ηνωμένες Πολιτείες το 1978, πέρασε από την Παγκόσμια Τράπεζα, το ΔΝΤ και την Ε. Επιτροπή και τον έφερε στην περιοχή της Ανατολικής Μεσογείου, περιοχή που έχει μελετήσει βαθιά και για την οποία έχει γράψει το βιβλίο με τίτλο «Maritime Disputes in the Eastern Mediterranean: The Way Forward».

Διευθύνων σύμβουλος, πλέον, της Energy & Environment Holding του Κατάρ μετέχει στο 10ο «Athens Energy Dialogues» και μιλώντας στο newmoney επιμένει ότι μία συνεργασία Ελλάδας και Τουρκίας στον χώρο της ενέργειας είναι και δυνατή και αμοιβαία επωφέλης, αν και όχι απολύτως ανώδυνη. Επίσης, προκαλεί αισιοδοξία η πεποίθησή του ότι έχει ξεκινήσει η διαδικασία αποκλιμάκωσης του κόστους της ενέργειας στην Ευρώπη.

-Ποια είναι η εκτίμησή σας για την ενεργειακή κρίση; Πόσο θα κρατήσει; Υπάρχει διέξοδος από αυτή χωρίς τη Ρωσία;

«Προφανώς είναι ένα πολύ σοβαρό πρόβλημα, όχι μόνο για την Ευρώπη, αλλά και για ολόκληρο τον κόσμο, καθώς επηρεάζει τόσες πολλές πτυχές της καθημερινότητας, από την τιμή του ηλεκτρικού ρεύματος έως τη βενζίνη, τις μεταφορές γενικότερα, την τροφική αλυσίδα κ.λπ. Είναι πολύ δύσκολο να προβλέψουμε πόσο θα διαρκέσει, καθώς ο πόλεμος μόλις ξεκίνησε. Η πρόβλεψη μιας ημερομηνίας λήξης είναι δύσκολο εγχείρημα, καθώς τόσο τα προβλήματα όσο και οι λύσεις έχουν πολλά κινούμενα μέρη.

Καταρχάς, το πρόβλημα είναι προϊόν πολλών παραγόντων, όπως:

- οι παλαιότερες αποφάσεις για σταδιακή κατάργηση της χρήσης άνθρακα και πυρηνικών σε ορισμένες ευρωπαϊκές χώρες
- η αποτυχία αποτελεσματικής διαφοροποίησης του συνολικού ενεργειακού καλαθιού της Ευρώπης (που οδηγεί άμεσα στην υπερβολική εξάρτηση από τις ρωσικές προμήθειες, ιδίως από το φυσικό αέριο που μεταφέρεται με αγωγούς)

- οι επακόλουθες επιπτώσεις της πανδημικής κατάρρευσης των τιμών του πετρελαίου και του φυσικού αερίου, που ανάγκασε πολλούς παραγωγούς σε όλο τον κόσμο να κλείσουν, οδηγώντας με τη σειρά του σε ανοδικές πιέσεις στις διεθνείς τιμές όταν η ζήτηση ανέκαμψε.

Ο συνδυασμένος αντίκτυπος όλων αυτών έγινε ακόμη πιο βαρύς από τη συγκυρία: η κρίση έρχεται ακριβώς τη στιγμή που αγωνιζόμαστε να πετύχουμε με τους στόχους απαλλαγής από τις εκπομπές άνθρακα, καταργώντας τα ορυκτά καύσιμα. Έτσι οι ευρωπαϊκές αγορές ενέργειας έμειναν εξαιρετικά ευάλωτες σε διακοπές εφοδιασμού – ή ακόμα και στην πιθανότητα διακοπής.

Το να ξεσπάσει ο πόλεμος στην Ουκρανία, όταν αυτό έγινε, ήταν από πολλές απόψεις το χειρότερο σενάριο, και αυτό είναι που έχουμε να αντιμετωπίσουμε.

Δεύτερον, η αποτελεσματικότητα των λύσεων θα καθοριστεί από πολλαπλές μεταβλητές που εξαρτώνται από τη σωστή λήψη και εφαρμογή των αποφάσεων, την επαρκή χρηματοδότηση τόσο από τις κυβερνήσεις όσο και από διάφορους χρηματοπιστωτικούς οργανισμούς και τη συνεργασία μεταξύ των χωρών της ΕΕ και με τους γείτονές τους στη Βόρεια Αφρική και την Ανατολική Μεσόγειο.

Η Ευρώπη έχει πολλά κουμπιά που μπορεί να πατήσει και όσο περισσότερα πατήσει, τόσο καλύτερα θα είναι τα αποτελέσματα. Μερικά από αυτά θα ήταν:

- η καθυστέρηση της σταδιακής κατάργησης του άνθρακα/πυρηνικής ενέργειας
- η ριζική αύξηση των επενδύσεων σε ανανεώσιμες πηγές ενέργειας όπως η αιολική και η ηλιακή ενέργεια
- η επέκταση των δυνατοτήτων της Ευρώπης να δέχεται και να επεξεργάζεται μεταφορά μέσω πλοίων υγροποιημένου φυσικού αερίου
- η καλύτερη αξιοποίηση τέτοιων λύσεων στην Ισπανία, με σύνδεση μέσω αγωγών με τη Γαλλία και επομένως με την



υπόλοιπη Ευρώπη

- εγκατάσταση κοινών δικτύων ηλεκτρικής ενέργειας με γειτονικές περιοχές
- η στήριξη στην αξιοποίηση υποθαλάσσιων κοιτασμάτων φυσικού αερίου στην Ανατολική Μεσόγειο και
- η κατασκευή νέων αγωγών που συνδέουν τις αγορές της ΕΕ με τους παραγωγούς φυσικού αερίου στην Κεντρική Ασία.

Όσο περισσότερα από αυτά τα πράγματα κάνουμε –και κάνουμε καλά– τόσο πιο γρήγορα θα υποχωρήσει η κρίση. Όσο επιτρέπουμε να καθυστερεί η εφαρμογή τέτοιων μέτρων, τόσο περισσότερο θα διατηρηθεί η κρίση –και η ευπάθεια της Ευρώπης σε παρόμοια προβλήματα στο μέλλον.

Σε τελική ανάλυση, λοιπόν, ναι, μπορούμε να βγούμε από την κρίση, αλλά δεν υπάρχει ένα μόνο μονοπάτι που θα οδηγήσει εκεί. Και ναι, μπορούμε να το κάνουμε με ή χωρίς τη συμμετοχή των Ρώσων, αλλά φυσικά η διαδικασία θα ήταν πολύ πιο εύκολη αν με κάποιο τρόπο συμμετείχαν σε αυτή».

**-Πιστεύετε ότι οι τιμές της ενέργειας είναι δυνατό να επιστρέψουν ξανά στα επίπεδα του 2020; Θα πρέπει οι Ευρωπαίοι να προσαρμοστούν στο να ζουν με ακριβό ηλεκτρικό ρεύμα και καύσιμα; Τι θα σήμαινε αυτό για την ευρωπαϊκή οικονομία;**

«Μεσομακροπρόθεσμα, με την προϋπόθεση ότι θα λάβουμε όλα ή τα περισσότερα από τα μέτρα που ανέφερα προηγουμένως, οι τιμές της ενέργειας σίγουρα θα επιστρέψουν μια μέρα στα επίπεδα του 2020, αλλά όχι στις αρνητικές τιμές που παρατηρήθηκαν για σύντομο χρονικό διάστημα, όταν ο COVID-19 κατακρήμνισε τη ζήτηση.

Όπως είμαι βέβαιος ότι γνωρίζετε, οι τιμές πετρελαίου και φυσικού αερίου συνδέονται όχι μόνο με τις αντίστοιχες καταστάσεις προσφοράς και ζήτησης, αλλά και μεταξύ τους. Οι συνθήκες που προκάλεσαν αρνητικές τιμές ήταν εξαιρετικά ασυνήθιστες, και ακόμη κι αν προσεγγίζαμε ξανά αυτά τα επίπεδα, από τη φύση τους δεν θα μπορούσαν να διαρκέσουν πολύ.

**Ωστόσο, οι τιμές μπορούν να μειωθούν και η διαδικασία βρίσκεται ήδη σε εξέλιξη.**

Ήδη σήμερα, πολλές υπεύθυνες χώρες αυξάνουν την παραγωγή πετρελαίου και φυσικού αερίου για να βοηθήσουν στην ηρεμία των αγορών στην Ευρώπη και αλλού. Ωστόσο ορισμένες άλλες χώρες αρνούνται να το κάνουν, ενώ κάποιες άλλες βρίσκονται υπό κυρώσεις, που τις εμποδίζουν να φέρουν στην αγορά αρκετά εκατομμύρια βαρέλια που είναι απαραίτητα για να πέσουν οι τιμές.

Προς το παρόν, οι Ευρωπαίοι δυσκολεύονται πολύ να αντιμετωπίσουν το κόστος ηλεκτρικής ενέργειας και καυσίμων, ειδικά εδώ στην Ελλάδα, όπου οι τιμές της ενέργειας είναι απίστευτα υψηλές. Η Γερμανία είναι ένα άλλο παράδειγμα.

Δεδομένης της κατάστασης, και επειδή είναι η ταχύτερη διαθέσιμη μέθοδος, ορισμένες ευρωπαϊκές χώρες πρέπει να αναστείλουν ή να ανακαλέσουν τις αποφάσεις τους να κλείσουν τους πυρηνικούς σταθμούς και τους σταθμούς ηλεκτροπαραγωγής με άνθρακα. Πρέπει να καθυστερήσουν το κλείσιμο για άλλα πέντε έως επτά χρόνια και ίσως να κατασκευάσουν επίσης ένα ή δύο νέα εργοστάσια άνθρακα, για να αντιμετωπίσουν την αυξανόμενη ζήτηση και να περιορίσουν την ανοδική πίεση στις τιμές μέχρι να προστεθούν στο δίκτυο άλλες πηγές ενέργειας.

Παρά την πιθανότητα οι τιμές να υποχωρήσουν τελικά, βραχυπρόθεσμα έως μεσοπρόθεσμα, οι Ευρωπαίοι πρέπει οπωσδήποτε να προσαρμοστούν. Μελέτες έχουν δείξει ότι οι αυξημένες τιμές της ενέργειας θα σημαίνουν μειωμένη οικονομική ανάπτυξη, ειδικά στη Γερμανία.

Αυτό σημαίνει ότι περισσότεροι άνθρωποι θα έχουν λιγότερα μέσα για να αντεπεξέλθουν στις υψηλότερες τιμές ενέργειας και αυτό καθιστά καθήκον των ηγετών της ΕΕ και των εθνικών κυβερνήσεων να αναπτύξουν πολιτικές και μηχανισμούς για να αμβλύνουν το πλήγμα, ειδικά για τις οικογένειες με χαμηλότερο εισόδημα».

-Η ελληνική κυβέρνηση ζητά από την ΕΕ «στοχευμένη και

προσωρινή παρέμβαση» στη χονδρική αγορά φυσικού αερίου για τη μείωση των τιμών. Πιστεύετε ότι μια τέτοια παρέμβαση είναι εφικτή, και αν ναι, τι αντίκτυπο θα μπορούσε να έχει;

«Είναι σίγουρα εφικτή. Υπάρχουν περιστάσεις όπου η ΕΕ θα πρέπει να βοηθήσει τα κράτη-μέλη, όπως σε περιόδους πολέμου, και η τρέχουσα κατάσταση είναι εξαιρετική, πρωτοφανής μετά τον Β' Παγκόσμιο Πόλεμο. Με αυτήν την εξαιρετική κατάσταση πραγμάτων, η ελληνική κυβέρνηση –όπως κάθε άλλο κράτος μέλος– μπορεί και πρέπει να προτείνει βιώσιμους δρόμους προς τα εμπρός, π.χ. ανώτατα όρια στο αυξανόμενο κόστος ηλεκτρικής ενέργειας, πετρελαίου ή/και άλλων ενεργειακών δαπανών. Με τη βοήθεια της ΕΕ, η κυβέρνηση θα πρέπει να μπορεί να επιδοτεί ορισμένους καταναλωτές χαμηλού επιπέδου, για παράδειγμα νοικοκυριά των οποίων η κατανάλωση είναι μικρότερη από 100 KWh την ημέρα».

**-Έχετε γράψει ένα βιβλίο με τίτλος «Ναυτιλιακές διαφορές στην Ανατολική Μεσόγειο: Ο δρόμος προς τα εμπρός». Πιστεύετε ότι υπάρχει περιθώριο για ειρηνική συνεργασία Ελλάδας, Κύπρου και Τουρκίας στον ενεργειακό τομέα και εάν ναι, ποια θα ήταν τα μέσα για να επιτευχθεί;**

«Ναι, πιστεύω ακράδαντα ότι η Ελλάδα, η Κύπρος και η Τουρκία θα μπορούσαν και θα έπρεπε να βρουν τρόπους συνεργασίας στον ενεργειακό τομέα, και υπάρχουν αρκετοί τρόποι με τους οποίους η συνεργασία θα προσφέρει πολλά πλεονεκτήματα.

Το ένα είναι η εξερεύνηση και η εκμετάλλευση κοιτασμάτων πετρελαίου ή/και φυσικού αερίου κάτω από τον βυθό της Ανατολικής Μεσογείου, όπου τα μέρη θα μπορούσαν να μοιραστούν το κόστος, να μοιραστούν δεδομένα, να μειώσουν τις επικαλύψεις, να επενδύσουν το ένα στα κοιτάσματα του άλλου κ.λπ.

**Το ίδιο θα μπορούσε να ισχύει και για τα υπεράκτια αιολικά πάρκα.**

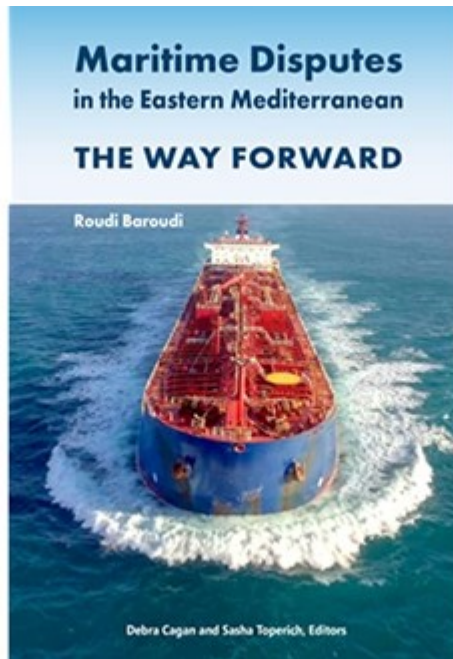
Ένας άλλος τρόπος είναι η κατασκευή ενός ή περισσότερων αγωγών

που θα μετέφεραν αέριο από τη νοτιοανατολική Μεσόγειο στην Ευρώπη χωρίς να χρειάζεται όλη η διαδρομή να γίνεται κάτω από το νερό: ο αγωγός θα μπορούσε να φτάσει έως την τουρκική ακτή και ο υπόλοιπος να συνέχιζε από την στεριά.

Δυνητικά, οι τρεις χώρες θα μπορούσαν επίσης να συνεργαστούν για να κατασκευάσουν μια μονάδα LNG, μια τεράστια επένδυση που γίνεται πιο ελκυστική αν διαμοιραστεί το ρίσκο. Σίγουρα πάντα υπάρχει χώρος για ειρήνη και πάντα υπάρχει χώρος για διπλωματία. Ο δρόμος προς τα εμπρός είναι η Ελλάδα και η Τουρκία να συνεχίσουν τις συζητήσεις τους με βάση τις αρχές της Σύμβασης του ΟΗΕ για το Δίκαιο της Θάλασσας (UNCLOS) που είναι ο Άτλαντας του Παγκόσμιου Ωκεανού. Σε αντίθεση με την Κύπρο, ούτε η Ελλάδα ούτε η Τουρκία έχουν υπογράψει την UNCLOS, αλλά οι κατευθυντήριες γραμμές και τα δεδικασμένα της ισχύουν – και μπορούν να εφαρμοστούν – από όλες τις χώρες. Η UNCLOS παρέχει μια νομική και τεχνική υποδομή με την οποία η Ελλάδα και η Τουρκία, ως κύρια μέρη, θα μπορούσαν να καθίσουν και, με αναφορά σε έρευνες που χρησιμοποιούν την τελευταία λέξη της επιστήμης και τεχνολογίας, να καταλήξουν σε μια δίκαιη και ισότιμη θαλάσσια λύση.

Τόσο ο Πρωθυπουργός Μητσοκάκης όσο και ο Πρόεδρος Ερντογάν έχουν εκφράσει την προθυμία τους να επιλύσουν αυτή τη σύγκρουση και πιστεύω ότι αυτή τη στιγμή είναι η κατάλληλη για να γίνει.

Στο βιβλίο μου, έχω επισημάνει μελέτες που δείχνουν ότι και οι δύο χώρες θα έχαναν ορισμένες θαλάσσιες περιοχές, αλλά και οι δύο χώρες θα κέρδιζαν πολύ περισσότερα: την ομορφιά ενός αποτελέσματος win-win, στο οποίο και οι δύο γείτονες θα μπορούσαν να επωφεληθούν από τον πλούτο του πετρελαίου και του φυσικού αερίου της περιοχής, ενώ και οι δύο λαοί θα μπορούσαν να απολαμβάνουν ειρήνη και ευημερία.



Φυσικά, αυτού του είδους η συνεργασία εξαρτάται από τη φιλική δέσμευση, και αυτή τη στιγμή αυτό ακούγεται δύσκολο, αλλά, όπως εξηγεί το βιβλίο, υπάρχουν τρόποι να επιλυθούν ορισμένες από τις διαφορές μεταξύ των τριών χωρών, ειδικά των διαφορών που σχετίζονται με τα θαλάσσια σύνορα.

Το επόμενο βιβλίο μου, «Κλίμα και ενέργεια στη Μεσόγειο», προχωρά ακόμη περισσότερο προτείνοντας συνεργασία σε όλη την ευρωμεσογειακή περιοχή. Ένα από τα παραδείγματα που μπορούμε να δούμε είναι η Κασπία, όπου πέντε χώρες – Αζερμπαϊτζάν, Ιράν, Καζακστάν, Ρωσία και Τουρκμενιστάν – βρήκαν μια πολύ δημιουργική λύση. Βασικά, συμφώνησαν να εφαρμόσουν ένα σύνολο κανόνων για τον βυθό της θάλασσας και ένα άλλο για το νερό και τους πόρους του. Αυτή η συμφωνία δεν είναι τέλεια, και ορισμένες πτυχές πρέπει ακόμη να αποτελέσουν αντικείμενο διμερών διαπραγματεύσεων, αλλά η συμφωνία επέτρεψε σε κάθε χώρα να πάρει τουλάχιστον μερικά από αυτά που ήθελε και να συνεχίσουν με την εκμετάλλευση των αντίστοιχων μεριδίων τους».

**-Η Ελλάδα φιλοδοξεί να γίνει στρατηγικός ενεργειακός κόμβος για την Ευρώπη. Είναι αυτό εφικτό και αν ναι τι οφέλη θα αποφέρει στη χώρα;**

«Είναι απολύτως εφικτό. Ανάλογα με τις ποσότητες που

διαθέτουν, κάθε χώρα της Ανατολικής Μεσογείου που καταλήγει να παράγει πετρέλαιο και φυσικό αέριο μπορεί να γίνει τουλάχιστον σε κάποιο βαθμό ενεργειακός κόμβος. Κοιτάζοντας πίσω, πριν από 10 χρόνια, η Κύπρος είχε την ευκαιρία να γίνει ένας ωραίος περιφερειακός κόμβος αγωγών και τερματικού σταθμού LNG, και εάν η ανάπτυξη συνεχίσει να αυξάνεται, έχει ακόμα μια καλή ευκαιρία να πραγματοποιήσει αυτές τις προβλέψεις. Η Ελλάδα θα μπορούσε επίσης να γίνει σημαντικό ενεργειακό κέντρο την επόμενη δεκαετία, εάν επιβεβαιωθούν κοιτάσματα ανάλογα με αυτά που βρέθηκαν σε άλλες χώρες της Ανατολικής Μεσογείου, όπως η Αίγυπτος και το Ισραήλ. Πράγματι, πολλές εταιρείες του ιδιωτικού τομέα ενδιαφέρονται, αλλά αυτό πιθανότατα θα διαρκέσει 5-10 χρόνια αφού η εξερεύνηση επιβεβαιώσει επαρκείς ποσότητες υδρογονανθράκων. Τα οφέλη του κόμβου θα ήταν σημαντικά: περισσότερες καλοπληρωμένες θέσεις εργασίας για τους Έλληνες πολίτες, περισσότερα κέρδη για τις ελληνικές εταιρείες, περισσότερα έσοδα για την ελληνική κυβέρνηση, περισσότερα διαθέσιμα κεφάλαια για δρόμους, σχολεία και νοσοκομεία, μεγαλύτερη επιρροή στην ευρωπαϊκή και παγκόσμια σκηνή, και τα λοιπά».

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**European Energy Crisis: R. Baroudi: “It is entirely possible for Greece to be a strategic energy hub for Europe”**



**Roudi Baroudi**

**CEO, Energy & Environment Holding, Qatar**

**Interview with Newmoney.gr by Symela Touchtidou**

**Questions:**

- 1. What is your assessment on the current energy crisis? How long will it last? Is there a way out of it? Is there a way out of it without Russia included?**

Obviously it's a very serious problem, not only for Europe, but also for the whole world as this is affecting so many aspects, from electricity crises to petrol prices for vehicles, transportation in general, food chain, etc.

It's very difficult to predict how long it will last as the war has just begun, but four months in, it has already caused so much damage. Predicting an end-date is a difficult ask because both the problems and the solutions have so many moving parts. First, the problem is a product of several

contributing factors, including: earlier decisions to phase out coal and nuclear plants in some European countries; a failure to sufficiently diversify Europe's overall energy basket (leading directly to over-reliance on Russian supplies, especially pipelined natural gas); and the after-effects of the early-pandemic collapse of oil and gas prices, which forced many producers around the world to shut down, leading in turn to upward pressure on international prices when demand recovered. The combined impact of all this was made even heavier by the timing: the crisis comes just as we are struggling to keep up with decarbonization goals by transitioning away from fossil fuels and toward cleaner and greener energy, leaving European energy markets extremely vulnerable to supply interruptions – or even the possibility thereof. To have had the Ukraine war break out when it did was in many ways worst-case scenario, and that's what we're dealing with.

Second, the effectiveness and timeliness of solutions will be determined by multiple variables that depend on sound decision-making and dedicated follow-up, adequate financing from both governments and multilateral financial institutions, and cooperation among EU countries and with their neighbors in North Africa and the Eastern Mediterranean. Europe has several buttons it can push, and the more of them it pushes, the better the results will be. Some of these would be to delay the coal/nuclear phaseouts; radically increase investments in renewables like wind and solar; expand Europe's capacity to receive and process shipments of liquefied natural gas; make better use of such capacity in Spain by linking it to France, and therefore the rest of Europe, by pipeline; install shared power grids with neighboring regions; help develop undersea gas resources in the Eastern Mediterranean; and build new pipelines linking EU markets to gas producers in Central Asia. The more of these things we do – and do well – the sooner the



crisis will recede. The more we allow implementation of such steps to be delayed, the longer the crisis – and Europe's vulnerability to similar problems in the future – will persist.

So in the final analysis, yes, we can get out of this crisis, but there is no single path that will get use there. And yes, we can do so with or without the participation of the Russians, but of course the process would be much easier with them somehow included.

**2. Do you see energy prices ever going back to the 2020 levels? Will Europeans have to adjust to living with expensive electricity and fuels? What would that mean for the overall European economy?**

In the medium/long terms, provided we take all or most of the steps I listed earlier, energy prices will definitely go back one day to the levels for 2020 as a whole, but not to the negative prices seen briefly when COVID-19 caused demand to fall off a cliff before production had been dialed back, causing a sudden glut. As I'm sure you know, commodity prices for oil and gas are connected not only to their respective supply and demand situations, but also to each other. The conditions that caused negative prices were highly unusual, and even if we approached those levels again, by their nature they could not last long.

Nonetheless, prices can be brought down, and the process is already under way. As of today, many responsible countries are increasing their production of oil and gas to help calm markets in Europe and elsewhere, but some countries are refusing to, while several others are under sanctions, preventing them from bringing to the market several million barrels needed to cool off the price hikes. For the time being, Europeans are having a very hard time to cope with

electricity and fuel costs, especially here in Greece, where energy prices are unbelievably high.

Germany is another example.

Given the situation, and because it's probably the fastest method available, some European countries need to suspend or reverse their decisions to close their nuclear and coal power plants. Instead, they need to delay closures for another five-to-seven years, and maybe build one or two new coal plants, too, to cope with rising demand and restrain upward pressure on prices until other sources of energy can come online.

Despite the likelihood that prices will eventually retreat, in the short to medium term, Europeans definitely need to adapt. Studies have indicated that elevated energy prices will mean reduced economic growth, especially in Germany, whose importance to the rest of Europe cannot be overstated. That means more people will have less means to cope with higher energy prices, and that makes it incumbent on EU and national leaders to develop policies and mechanisms to cushion the blow, especially for lower-income families.

**3. The Greek government asks from the EU “a targeted and temporary intervention” in the natural gas wholesale market to bring prices down. Do you believe such an intervention is possible, and if so, what impact could be?**

It is definitely possible. There will be circumstances when the EU has to assist EU members, such as during times of war, and the current situation is an extraordinary one, unseen since World War II. With this extraordinary state of affairs, the Greek government – like any other member state – can and should propose viable paths forward, e.g. caps on rising electricity, petroleum and/or other energy costs. At the very least, with the help of the EU, the government should be able

to subsidize certain low-level consumers, for instance households whose consumption is less than 100 KWh per day.

**4. Are you aware of the 'Six-Point Plan' of the Greek government? What is your assessment on it? (available here <https://primeminister.gr/en/2022/03/09/28836> )**

Yes, I am aware of the Six-Point Plan that Prime Minister Mitsotakis has proposed. It's a very positive move forward in order to cushion some of the pain from disastrous price increases, which are driving inflation across the Greek economy. Here, Greece is contributing to the European Union's overall policy formulation, which seeks to provide protection against the major consequences emanating from the Russia-Ukraine war, and the Greek plan is definitely doable. There are other measures, too, that could be taken to shield the country from the continuous negative repercussions of the war in Ukraine. Of course gas supplies could be increased by expanding the Trans-Anatolian gas pipeline (TANAP) to boost imports from Azerbaijan gas, for instance, but keeping coal power plants would also help contain pressure on electricity prices, as would adding a nuclear plant of 4,000-6,000 MW. Moving quickly to promote energy conservation, too, would also help alleviate spiking costs and give Greek households and business sustainable access to more affordable electricity.

**5. Greece is the only European country where electricity prices are directly linked to natural gas international stock prices. Do you believe there is a way out of this? What measures could be taken to bring electricity prices in the Greek market down?**

Yes, there is definitely a way out. This is the responsibility of the Regulatory Authority for Energy, which controls and regulates energy prices in Greece. Given the circumstances,

the RAE certainly has a powerful incentive to propose a different mechanism, one that would follow other European countries in order to help keep energy prices at affordable costs for all.

**6. You have written a book on “Maritime Disputes in the Eastern Mediterranean: The Way Forward”. Do you believe there is room for peaceful cooperation between Greece, Cyprus and Turkey in the energy field and if so, what would be the means to achieve it?**

Yes, I believe very strongly that Greece, Cyprus, and Turkey could and should find ways to cooperate in the energy field, and there several ways in which working together would offer many advantages. One is exploration and development of oil and/or gas deposits beneath the seabed of the Eastern Mediterranean, in which the parties could share costs, share data, reduce duplication, invest in one another’s fields, etc. The same could go for offshore wind farms.

Another is the construction of one or more pipelines that could transport East Med gas to the European mainland without having to have the entire route under water: just get it to Turkish coast and run the rest of it overland. Potentially, the three countries also could team up to build an LNG plant, an enormous investment and therefore one for which spreading the risk would be very attractive.

Definitely there is always room for peace and there is always room for diplomacy. The way forward is for Greece and Turkey to continue their discussions based on the principles of the UN Convention on the Law of the Sea (UNCLOS) which is the Atlas of the World Ocean. Unlike Cyprus, neither Greece nor Turkey is a signatory to UNCLOS, but its guidelines and precedents are applicable to – and actionable by – all countries. UNCLOS provides a legal and technical

infrastructure with which Greece and Turkey, as the main parties, could sit down and, with reference to surveys using the latest science and technology, arrive at a fair and equitable maritime solution. Both Prime Minister Mitsotakis and President Erdogan have expressed their willingness to solve this conflict, and I believe that right now, the time is right to get it done. In my book, I have highlighted studies indicating that both countries would lose some maritime areas, but both countries would gain far more: the beauty of a win-win outcome, one in which both neighbors would be able to benefit from the region's oil and gas wealth, and both peoples would be able to enjoy peace and prosperity.

**7. Greece aspires to become a strategic energy hub for Europe. Is this possible and if so what benefits will it bring to the country?**

Absolutely it is possible. Depending on what quantities they have, every East Med country that ends up producing oil and gas can become an energy hub to some extent at least. Looking back, 10 years ago, Cyprus was slotted to become a nice regional hub for pipelines and an LNG terminal, and if development keeps on growing, it still has a good chance to make those predictions come true. Greece could also become a major energy center in the next decade if their exploration efforts confirm the same kinds of deposits found offshore other East Med countries like Egypt and Israel. Indeed a lot of private sector firms are interested, but this will probably take 5-10 years after exploration confirms sufficient quantities of hydrocarbons.

The benefits of hub status would be significant: more good-paying jobs for Greek citizens, more profits for Greek companies, more revenues for the Greek government, more funds available for roads, schools, and hospitals, more influence on the European and global stages, etc.

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# EUROPE ENERGY CRISIS – Qatar and Germany sign energy strategic partnership



**News – Oil and Gas – Berlin, May 2022**

Qatar's Emir, His Highness Sheikh Tamim bin Hamad Al Thani, and German Chancellor Olaf Scholz signed a strategic energy partnership on May 20 as Germany scrambles to reduce its dependence on imports of coal and pipelined natural gas from Russia, mainly to punish the latter for its invasion of Ukraine.



Al Jazeera turned to regional energy expert Roudi Baroudi to provide context and analysis for the summit, which could have historic implications. Baroudi confirmed that the German plan centers on a rapid switchover to seaborne shipments of liquefied natural gas, so the government is building two LNG plants, at Brunsbüttel and Wilhelmshaven, along with the possibility of adding three offshore floating storage and regasification units (FCRUs).

Baroudi estimated that these facilities, including the FSRUs, could account for 20-30% of German's annual gas needs of approximately 85 billion cubic meters.

He also explained that Qatar, which has the world's second largest gas reserves and has led the industry in LNG exports for most of the past two decades, would be a natural secure and reliable fit to supply even more gas to European terminals that it already does. The Gulf state has recently invested in even more LNG capacity, via an expansion of its North Field operations, which will see its output once again surpass those of the United States and Australia as the world's largest producer