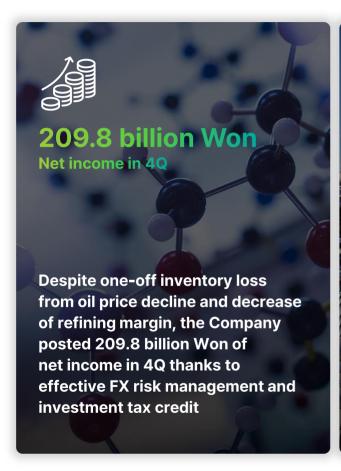
S-OIL Corporation 4Q 2023 Results

February 2024





Highlights







S-OIL Corporation

DISCLAIMER

Financial results for 4Q 2023 are provisional and subject to change according to the outside independent auditors' audit.

This presentation contains forward-looking statements that are based on our current expectation, assumptions, estimates and projections about S-OIL and the refinery industry. We caution you not to place undue reliance on any forward-looking statement which may involve various risks and uncertainties.

Please also note that although we believe that the assumptions on which our forward-looking statements are based are reasonable, any of those assumptions could prove to be inaccurate, and, as a result, the forward-looking statements based on those assumptions could be incorrect. Except as required by law, we do not undertake to release the results of any revisions of these forward-looking statements to reflect future events or circumstances.





4Q 2023 Performance & Outlook

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Supplementary Information





4Q 2023 Financial Result

(Unit: bil. Won)	4Q 23	3Q 23	QoQ	4Q 22	2023	2022
Revenue	9,830.4	8,999.6	9.2%↑	10,594.0	35,727.2	42,446.0
Operating Income	7.6	858.9	99.1%↓	-160.4	1,418.6	3,405.2
(Margin)	0.1%	9.5%	-	-1.5%	4.0%	8.0%
Refining	-265.7	666.2	Turn to Loss↓	-381.8	399.1	2,344.3
Petrochemical	47.0	45.4	3.5%↑	-58.3	203.7	-49.8
Lube	226.2	147.2	53.7%↑	279.7	815.7	1,110.7
Finance & Other Income	130.0	-121.9	-	490.1	-222.9	-506.6
- Net Interest gain	-53.5	-46.5	-	-35.1	-180.5	-120.2
- Net F/X gain*	162.3	-89.5	-	516.4	-101.3	-355.3
- Others	21.2	14.1	-	8.8	58.9	-31.1
Income before tax	137.6	737.0	81.3%↓	329.7	1,195.7	2,898.5
Net Income	209.8	545.4	61.5%↓	228.9	998.2	2,104.4

^{*} Including gain/loss from F/X derivatives for hedging

Operating Income

- 7.6 bil. Won in operating income
 - Refining segment recorded a loss due largely to negative one-off impact from oil price decline
 - Petrochemical and lube segments saw a QoQ income rise, particularly marked by a rebound of lube spread
 - * Inventory-related impact : -144.0 bil. Won

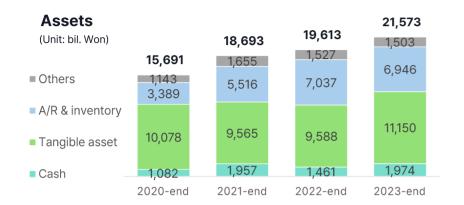
Income before Tax

- 137.6 bil. Won of income before tax due to effective FX risk management
 - F/X rate change

4Q:-55.4₩/\$

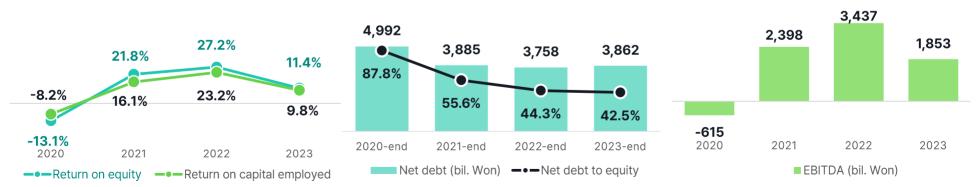
· 3Q:+32.0₩/\$

Financial Status





Financial Highlights



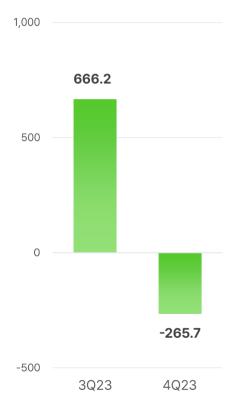
6

^{*} Net debt: Short-term borrowing + Long-term borrowing + Lease obligation - Cash

^{*} EBITDA: Income before tax + Net interest expense+ Depreciation(Excluding catalyst amortization cost)

Refining

Operating Income (Unit: bil. Won)



4Q 23 Market Environment

- Regional refining margins slightly narrowed due to off-seasonal demand slowdown for transport fuels and milder-than-usual early winter weather, but low inventory levels offered support
- Dubai crude price declined largely due to increased non-OPEC crude oil output, yet the downside was restrained by extension of OPEC+ production cuts

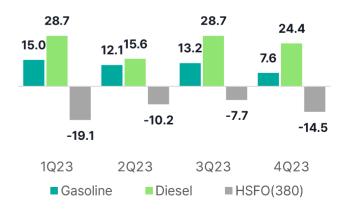
2024 Outlook

- Regional refining margins are forecast to maintain an above-average level by steady demand growth coupled with low inventory levels
 - Heating demand in winter and spring maintenance season to support margins in 1Q. Following summer mobility demand to drive margin expansion
 - With uncertainties on start-up timing and pace of major new refineries, market impact is estimated to be restricted in 2H or beyond

Singapore Margin (Unit:\$/bbl)



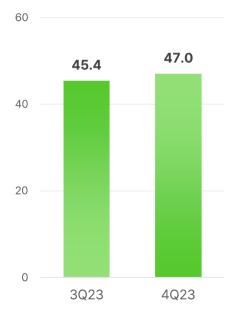
Products Spread over Dubai (Unit:\$/bbl)



Petrochemical

Operating Income (Unit: bil. Won)

80



4Q 23 Market Environment

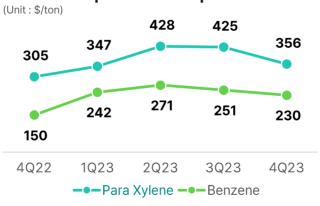
Aromatics

 PX and BZ markets were slightly adjusted due to seasonal lull demand for downstream & gasoline blending, but supported at solid level by fresh demand from start-up of new downstream plants

Olefin downstream

 PP and PO markets weakened by stagnant downstream demand linked to sluggish Chinese economy and year-end destocking activities

Aromatics Spread over Naphtha



2024 Outlook

Aromatics

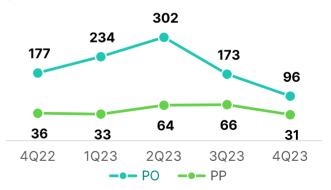
- PX and BZ markets are projected to be supported by firm demand growth amid drastically reduced new capacity addition
 - Demand increase from new downstream expansions and continuing healthy demand for gasoline blending are expected

Olefin downstream

 PP and PO markets are likely to gradually improve in tandem with pace of China's economic recovery, while pressure from capacity addition continues

Olefin downstream Spread over Propylene

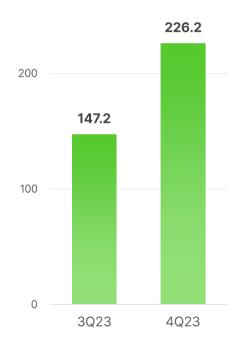
(Unit:\$/ton)



Lube

Operating Income (Unit: bil. Won)

300



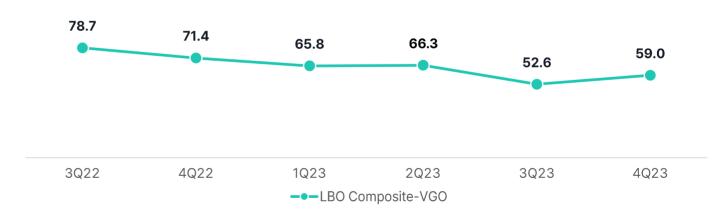
4Q 23 Market Environment

 LBO Spread showed an upturn due to rebounding demand after off-peak season under lowered feedstock cost

2024 Outlook

- LBO Spread is forecast to maintain a solid level by limited capacity addition and sustained demand growth for high quality base oils
 - Demand is expected to regain strength with beginning of spring lubricant change season



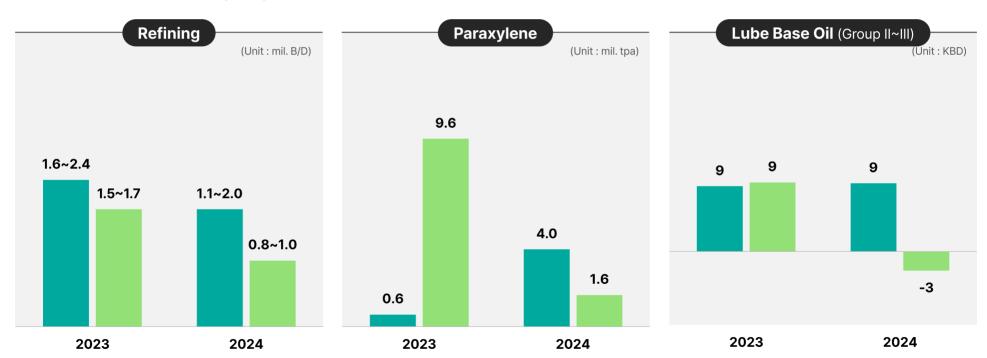


S-OIL Corporation 4Q 2023 Results **Key Business Update** • Favorable Supply-Demand Condition Decarbonization Roadmap

Favorable Supply-Demand Condition

- > Steady demand rise in transport fuel is forecast, whereas uncertainty lingers over timeline for new refining facility entry
- With multi-year wave of PX capacity addition coming to a close, and no material capacity increase in lube base oil expected, the favorable environment is anticipated to be sustained in 2024

Demand Growth and Net Capacity Increase Forecast (2023~24)



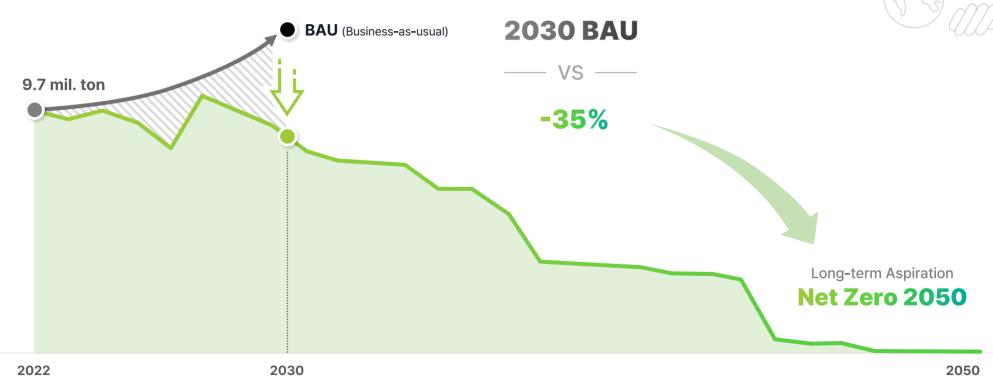
Net Capacity/Supply Increase

Demand Growth

Decarbonization Roadmap

- > Target for carbon emission reduction: -35% vs. BAU by 2030
- We have established and regularly updates the decarbonization roadmap featuring a detailed reduction pathway

S-OIL Carbon Reduction Target and Pathway



S-OIL Corporation

Decarbonization Initiatives

- Initiatives with feasibility and economics are implemented with higher priority
- Operational levers and low carbon utility will contribute to over 70% of planned reduction amount until 2030

Carbon Reduction Contribution by Initiatives (out of total planned reduction amount until 2030)

70%~



- Energy saving investment
 - √ Heater efficiency improvement
 - ✓ Waste heat recovery
 - ✓ Process heat integration
- MRV²⁾ enhancement
- · Flare gas recovery



Operational

Lever

- Gas turbine cogeneration
 - ✓ FEED in progress (approx. 100MW)
- Renewable energy through PPA³⁾
- Low carbon steam import
- Solar power generation
 - ✓ Idle site in the refinery and terminal

~30%



- External hydrogen import
- Hydrogen firing for gas turbine



- CO2 sales for industrial use
 - √ Expansion of CO2 sales $(100KTA \rightarrow 200KTA)$
- CCS for Scope-1 emission



· SDM / Green ODA

Offset / Others

1) Electricity, Steam 2) Measurement, Reporting, Verification 3) Power Purchase Agreement

Decarbonization Achievement

> We have put our plan into action and are making tangible progress in reducing carbon emissions every year

Carbon Reduction Items under Implementation (2023~)



Operational Lever

34 items

 Energy Efficiency Improvement





Low Carbon Utility

1 item

 Solar Cell in Incheon Terminal





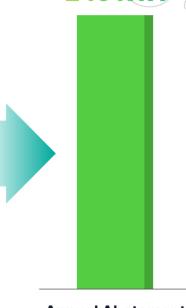
ccus

1 item

 Additional CO2 sales to DongKwang by CCU







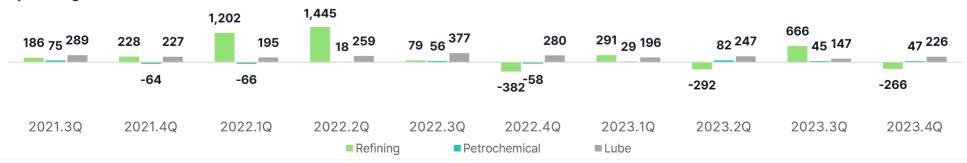
Annual Abatement in 2023



Performance by Business Segment

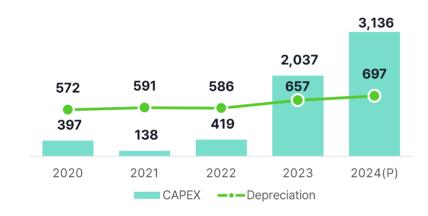
Segment	(Unit: bil. Won)	4Q 23	3Q 23	QoQ	4Q 22	2023	2022
	Revenue	7,781.8	7,198.7	8.1%↑	8,558.0	28,257.1	34,004.9
Refining	Operating Income	-265.7	666.2	Turn to Loss↓	-381.8	399.1	2,344.3
	(Margin)	-3.4%	9.3%		-4.5%	1.4%	6.9%
	Revenue	1,212.3	1,124.8	7.8%↑	1,195.5	4,384.8	5,025.5
Petrochemical	Operating Income	47.0	45.4	3.5%↑	-58.3	203.7	-49.8
	(Margin)	3.9%	4.0%		-4.9%	4.6%	-1.0%
	Revenue	836.3	676.1	23.7%↑	840.4	3,085.4	3,415.6
Lube	Operating Income	226.2	147.2	53.7%↑	279.7	815.7	1,110.7
	(Margin)	27.1%	21.8%		33.3%	26.4%	32.5%
	Revenue	9,830.4	8,999.6	9.2%↑	10,594.0	35,727.2	42,446.0
Total	Operating Income	7.6	858.9	99.1%↓	-160.4	1,418.6	3,405.2
	(Margin)	0.1%	9.5%		-1.5%	4.0%	8.0%

Operating Income Trend (Unit: bil. Won)



CAPEX & Operation

CAPEX & Depreciation



(Unit: bil. Won)	2022	2023	2024(P)
Shaheen Project	40.6	1,461.9	2,716.0
Upgrade & Maintenance	272.0	437.4	298.0
Marketing related expenditure	39.1	45.9	58.0
Others	67.3	91.9	64.2
Total CAPEX	418.9	2,037.2	3,136.2
Depreciation	586.2	656.8	696.6

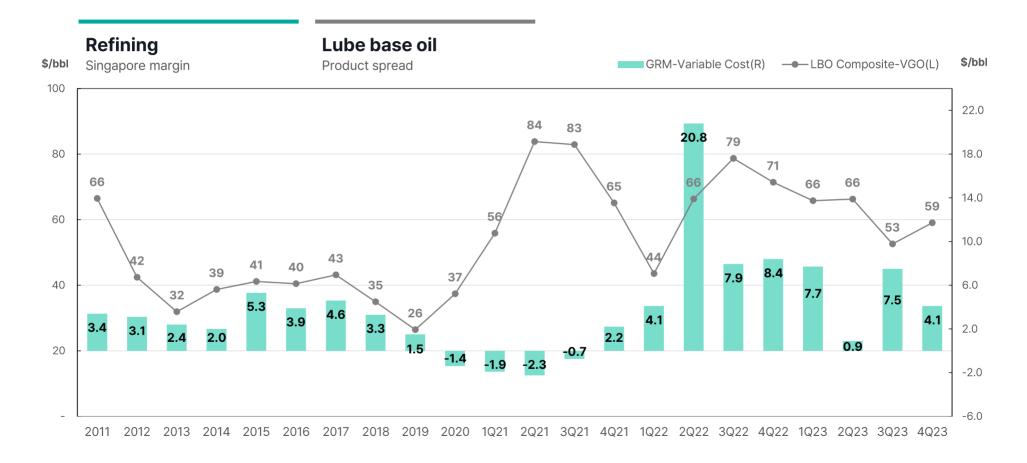
Maintenances

	2021	2022	2023	2024(P)
Refining	-	#2 CDU	#3 CDU/CFU	#1 CDU
Keilling	-	#1 RFCC	#2 RFCC/HYC	-
Petrochemical	-	#1 PX/PO	#2 PX/PP	-
Lube	-	-	-	#1 HDT

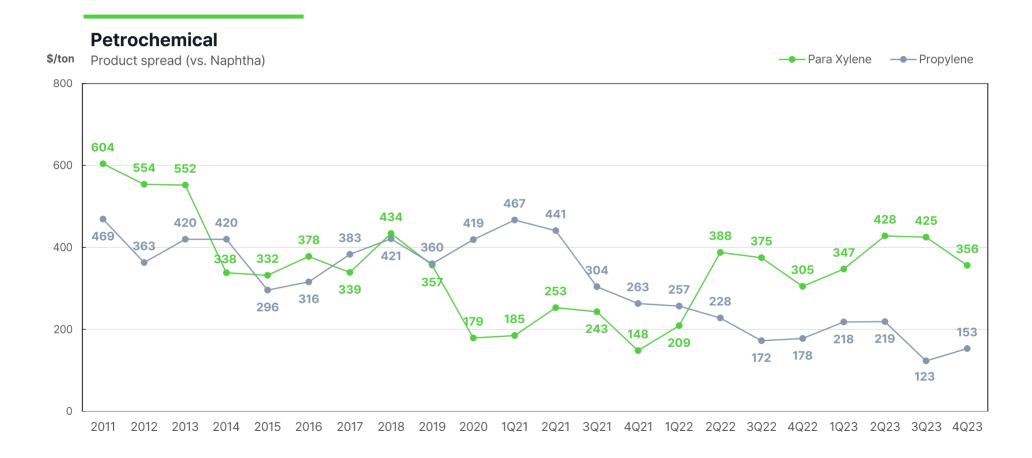
Utilization Rate

	2021	2022	2023	4Q 23
CDU	97.8%	92.6%	90.4%	94.0%
RFCC/HYC	97.0%	92.3%	90.7%	98.8%
PX Plants	91.6%	80.2%	75.1%	84.7%
PP/PO Plants	102.8%	78.7%	77.5%	72.3%
Lube Plants	99.2%	94.6%	88.0%	97.8%

Long-term Margin Trend



Long-term Margin Trend



Enhanced Profitability by RUC/ODC

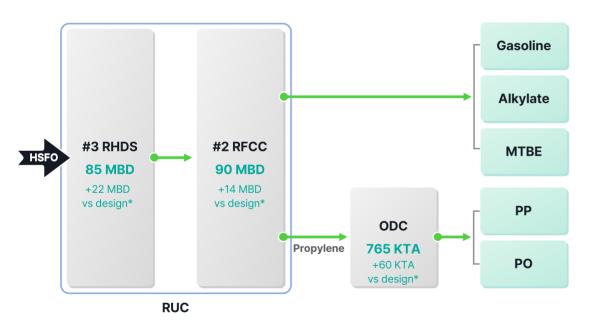
- > S-OIL is one of the best positioned to benefit from refining margin strength with superior facility competitiveness
- > Profitability of RUC has remarkably widened by upgrading heavily discounted HSFO

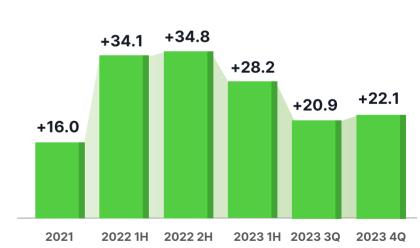
RUC/ODC Project

(Residue Upgrading Complex & Olefin Downstream Complex)

Gasoline Spread over HSFO

(Unit: \$/bbl)

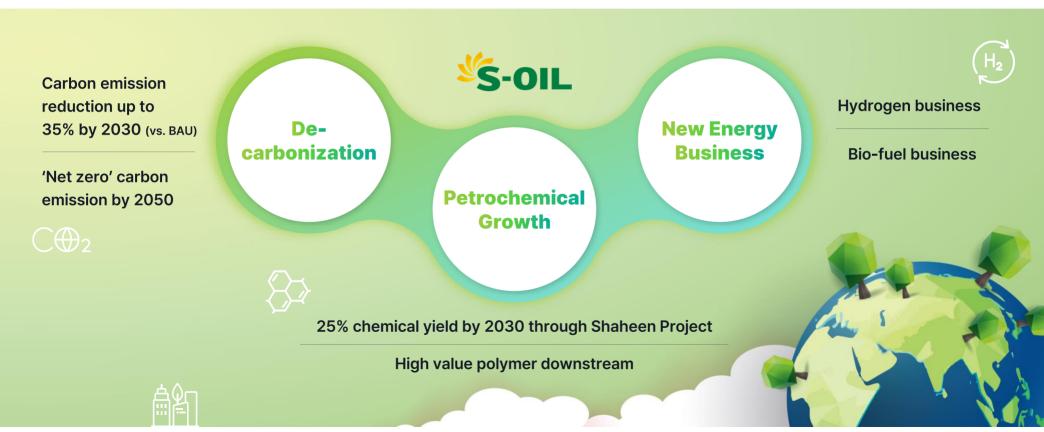




^{*} Capacity increase through facility improvements

S-OIL's Green Initiatives

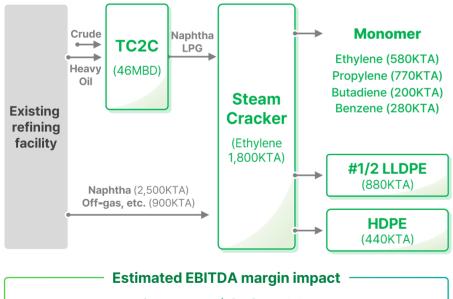
Green Initiatives set forth strategic directions to deliver sustainable and competitive returns as we transition to a greener future maintaining focus on our unique capabilities



Shaheen Project Progress

- The Company is consolidating all of its capabilities to successfully carry out Shaheen Project, which will enhance the enterprise value in response to the energy transition
- Site preparation and EPC work is under full-fledged execution with the actual progress going smoothly according to the plan

Configuration



+ 4.5+ α \$/B in 2027

Project Progress (Dec 2023)



Target Schedule Mechanical Completion by 1H 2026

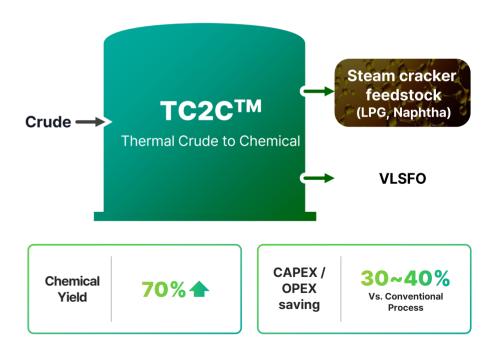
Shaheen Project Competitiveness

Shaheen Project is a pivotal expansion into chemical business with industry-leading competitiveness, which will enable another leap forward in future profit generation capacity

Core competitiveness

- Refining & chemical integration synergy in feedstock, facility and operation
- New TC2C technology to maximize chemical yield
- Industry-leading energy efficiency and carbon intensity
- 1st quartile cost competitiveness in NE Asia

New TC2C Technology



MOU with Saudi Aramco on Low Carbon Energy Solutions

In January 2022, S-OIL signed four MOUs with Saudi Aramco to enhance mutual partnership and alignment in pursuing carbon neutral and eco-friendly energy business covering clean hydrogen, thermal crude-to-chemical(TC2C), venture investment, and R&D



Collaboration for Clean Hydrogen Business

- Conduct feasibility study for blue ammonia and blue hydrogen supply and distribution in Korea
- Evaluate potential partnership models, and development plans for cooperation of the production and supply of blue ammonia and blue hydrogen

Mutual Investment into Ventures in New Energy & De-carbonization Sectors

 Explore promising Korean ventures and co-investment with Aramco Ventures in areas such as hydrogen value chain, carbon capture utilization & storage (CCUS)

Deployment of the First Commercial Scale TC2C Technology

- Exchange information related to Saudi Aramco's TC2C technology
- Explore feasibility of potential collaboration related to Shaheen project's development & execution
- Explore Value Engineering opportunities and share operational experience

R&D Collaboration on Low Carbon Energy Solutions

 Explore opportunities and feasibility of high-efficient hydrogen production with CCUS, carbon neutral e-fuel, and plastic recycling



S-OIL is the only company named to DJSI World for the 14th consecutive year among Asia Pacific refiners and the winner of Best Excellence Company in 2021 ESG awards from Korean Corporate Governance Service.

S-OIL Investor Relations



