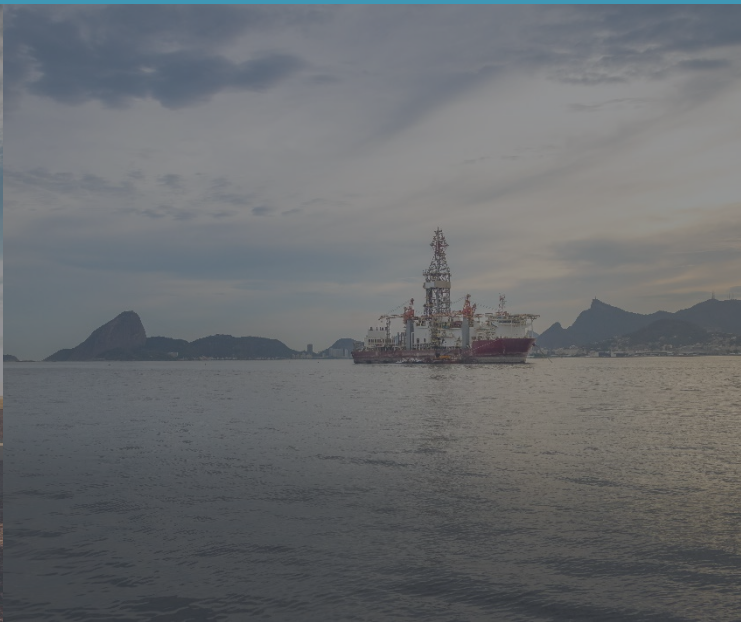




2021 Energy & Power Year in Review



Oilfield Services & Equipment, Energy Technology and Energy & Power Infrastructure Highlights

Oilfield Services & Equipment

“The back half of 2021 witnessed robust M&A activity and increased energy-focused investor appetite to provide equity, debt and hybrid financing solutions.”



Austin Harbour,
Managing
Director

Energy Technology

“Energy Technology will continue to play an important role in optimizing key operations and providing critical information to decision makers and, ultimately, to AI systems.”



Fred Charlton,
Global Chairman
of Energy &
Power Investment
Banking

Energy & Power Infrastructure

“Activity is positioned to grow in 2022 from expected investments in the power grid and an ESG motivated trend toward electrification.”



Paul Steier,
Managing
Director

Corporate Consolidations

- In our 2020 letter, we called for industry consolidation in the North American onshore sector. Wellsite and frac service companies led this trend in late 2021 after recovering from the shocks of COVID-19, winter storm Uri and the 2020 commodity crisis.
- Strategic buyers paved the way in efforts to realize cost savings and growth through economies of scale. Certain opportunistic acquisitions of distressed assets in bankruptcy allowed for buyers to achieve attractive valuations.

has been acquired by

October 2021

has acquired certain assets from

October 2021

has acquired

August 2021

has contributed assets to

May 2021

Business Carveouts

- The divestiture of non-core assets to financial sponsors accelerated in early 2021 as public equity markets rewarded capital realignment of industrial-focused companies away from direct upstream oil & gas exposure and as energy-focused companies focused on core assets and competencies.

has divested majority interest in its High Pressure Solutions segment to

April 2021

Pioneer Well Services
a wholly-owned subsidiary of PIONEER NATURAL RESOURCES
has been acquired by

a portfolio company of Argonaut Private Equity
March 2021

Debt Capital Raises

- Private debt capital markets were opened to companies focused on deploying capital to grow through acquisition.
- Debt for energy companies refinancing existing notes was accessible for high-quality service companies.

Senior Secured Term Loan

Sole Debt Placement Agent

November 2021

Senior secured term loan and delayed draw down term loan

Sole Debt Placement Agent

October 2021

International Activity Highlights

The international energy and power team closed 13 transactions in 2021 involving parties across Europe, North America and the Middle East.

M&A volumes within the space recovered towards the middle of the year following 12 months of COVID-driven inactivity – key deal themes included corporate divestments and new energy diversification plays.

The international oil and gas industry continues to face significant ESG pressures, however the importance of these resources in the global energy mix is indisputable, demonstrated by a move from almost all O&G operators to increase 2022 spending budgets. OFS players are well positioned to profit from the attempts of IOCs to maintain output after years of underspending. The Middle East, where the international team has a strong client base, is expected to be at the forefront of this trend, and players with traction in the region should attract buyer interest.



Investor spending is pivoting towards renewable sources of energy where the international team has strengthened its credentials, delivering five offshore wind services deals in 2021. The energy transition arena is anticipated to be an increasing source of revenue as supply chains mature.

These factors support a strong energy M&A environment for the international team as we enter 2022.

Delivering World-Class Advice and Transaction Execution to a Global Client Base

**Rami Al Turki,
President & CEO,
Al Turki Holdings**

(2021)

“It was a pleasure to partner with the international energy & power banking team as they helped us create an acquisition strategy and execute the transaction with Newsco which accelerated our long-term strategic objective to enhance our service offering within Saudi Arabia. The Piper Sandler team worked collaboratively with our team and the sellers to manage transactional and operational issues and ensure the successful completion of the deal. We look forward to their continued support as we pursue our long-term strategic objective.”



Select 2021 Int'l Transactions With
An Oil & Gas Focus



Select 2021 Int'l Transactions
With An Offshore Wind Focus

CGG
has divested its
GeoSoftware business to
topicus
and
Vela
SOFTWARE
October 2021

hydrasun
has been acquired by
SCF PARTNERS
HOUSTON | CALGARY | AMSTERDAM | SINGAPORE
July 2021

سوافي
SAWAFI
has acquired certain share
capital, operating assets
and IP from
NEWSCO
February 2021

venterra
has acquired
OSBIT
September 2021

PANGEO
SUBSEA
sounding out risk
has been acquired by
KRAKEN
July 2021

FOUND OCEAN
has been acquired by
venterra
October 2021

Renewables & Clean Energy Highlights

In 2021, the renewables & clean energy team closed 10 transactions across public and private markets. Transaction activity accelerated sharply from 2020, with substantial capital being deployed to drive the scaling up of energy transition efforts across multiple sub-sectors and geographies. This trend is expected to continue in 2022 and beyond as secular tailwinds take hold and investors and strategic groups prioritize participation in the evolving global energy and power complex.


Spencer Rippstein
Global Co-Head of
Energy & Power
Investment Banking

“Piper Sandler has a longstanding track record of serving clients in the renewables & clean energy sector, having advised on transactions representing more than \$4 billion in aggregate value. Through our unwavering commitment to deep sector expertise, we look forward to continue delivering unmatched investment banking and equity research services to companies effecting and investing in the energy transition.”

Equity and Debt Capital Markets

- 2021 was marked by increased IPO and follow-on offering activity in multiple clean energy sub-sectors, including solar equipment & services, renewable fuels and fuel cells. Public equity market activity is expected to rise as clean energy companies continue to seek capital to execute growth plans and investor demand to fund such opportunities remains healthy.
- Companies in this sector are expected to continue to benefit from debt funding at an attractive cost of capital, resulting in an increase in green bond offerings.

\$400 Million



Senior Unsecured
Green Notes

August 2021

\$431 Million



Follow-On Offering

July 2021

\$258 Million



Initial Public Offering

April 2021

\$993 Million



Follow-On Offering

March 2021

M&A

- Transaction activity involving companies providing equipment, services and technology to the clean energy ecosystem accelerated in 2021. This trend is expected to continue as strategic groups pursue exposure to this sector and private equity investors seek clean energy targets offering more attractive returns versus infrastructure investments.

Soligent

has been acquired by



November 2021

Vitol

has sold three dairy
renewable natural gas
facilities to



September 2021

SPAC

- Despite the market moderating in the second half of the year, 2021 represented a strong year for clean energy companies seeking to go public through SPAC transactions. SPACs continue to offer a compelling alternative for differentiated companies with meaningful strategic or financial backing; however, increased investor and regulatory scrutiny represent developing headwinds.

\$1.1 Billion



CATALYZING A CLEANER FUTURE

has merged with



Capital Markets Advisor
October 2021

Upstream Highlights

<p>Undisclosed Company</p> <p>has entered into a Development Partnership</p> <p>December 2021</p>	<p>\$230 Million</p> <p>NOG</p> <p>Follow-On Offering</p> <p>Bookrunner November 2021</p>	<p>CASTLELAKE</p> <p>TITANIUM</p> <p>has divested Mid-Con assets to Undisclosed Private Company</p> <p>October 2021</p>	<p>\$271 Million</p> <p>Undisclosed Private Company</p> <p>has divested Williston Basin Mountrail County, ND assets to</p> <p>WHITING</p> <p>September 2021</p>
<p>ROSEWOOD RESOURCES</p> <p>has divested Texas Eagle Ford oil and gas assets to</p> <p>WARWICK INVESTMENT GROUP</p> <p>August 2021</p>	<p>Vencer Energy</p> <p>has acquired Midland Basin Assets from</p> <p>Hunt OIL COMPANY</p> <p>June 2021</p>	<p>\$205 Million</p> <p>MAGNOLIA OIL & GAS CORPORATION</p> <p>Follow-On Offering</p> <p>March 2021</p>	

“Upstream asset transaction activity has run at a very high rate this year. Independent advisors such as Piper Sandler have been the advisory leaders, particularly on sell-sides, as banks have pulled people and capital from the sector. Our franchise is driven solely by an intense focus on providing value to our clients. As a result, we are winning mandates and successfully executing great transactions with our clients. In 2022, we expect our clients will take advantage of this historic market.”

Doug Reynolds, Managing Director

2021 has ushered in a new “Golden Age” of U.S. upstream asset acquisitions and divestitures, with transaction volumes running at the highest level for any year since 2014. Activity has been strong across most of the major basins, led by the Permian. Financing has come from a variety of sources, but equity issuance from buyers to sellers has been a notably strong trend. Several new entrants have joined the activity impacting the upstream buyer landscape as well.

Strengthening commodity prices have improved cash flows and share prices, implying continued transaction activity. Several of our clients have been fundamentally transformed by transactions during this recent cycle, making this one of the most interesting periods in our industry in recent years. Sellers have been rewarded this year with record prices for assets, while buyers have been rewarded with strengthening share prices and business fundamentals.

The rise of independent advisors has been stunning, with this group now active on nearly 100% of sell-sides and a majority of buy-side assignments in our industry. In challenging times for our industry, upstream clients value great ideas and focused execution. Banks proved to be fickle friends during the recent downturn, and their priorities appear to be away from upstream and away from transaction advisory. At Piper Sandler, we are a people and knowledge intensive business. Our team is experienced, dedicated and focused on providing the highest quality transaction advice to our clients, and we aren’t afraid to grind out the necessary hard work to ensure success.

Midstream & Downstream Highlights

“We completed eight transactions this year across the Gulf Coast, Permian and Mid Continent regions, including one of the largest and most complex transactions the space has seen in recent years with the closing of Oryx Midstream’s strategic joint venture with Plains All American. As the North American energy macro continues to improve, we look forward to continuing our advisory momentum across the space.”

Billy O’Neil, Managing Director



has been acquired by



November 2021



has formed a strategic joint venture with



October 2021

Undisclosed Private Company

A private company has sold Permian Basin crude oil and storage pipeline assets

Undisclosed Buyer


August 2021



has sold its Oklahoma natural gas gathering and processing assets to



March 2021



has sold its Houston Ship Channel pipelines to

Undisclosed Buyer

March 2021

\$132 Million



has sold its Cushing, OK crude oil terminals to




March 2021

\$20 Million



has sold its Oklahoma crude oil pipelines to



March 2021

\$92 Million



Follow-On Offering

March 2021

The Piper Sandler Midstream & Downstream team successfully executed eight transactions during 2021 as market conditions steadily improved. Midstream and downstream businesses displayed renewed focus on acquisition opportunities, but M&A volume remained below historic levels as companies continued to prioritize strengthening their balance sheets and returning capital to investors. Successful transactions generally included one or more of the following criteria:

- ✓ Cashless And / Or De-Levering Transactions
- ✓ Focus on Growth Regions
- ✓ Meaningful Cost Synergies
- ✓ ESG Focus

The outlook for 2022 midstream and downstream transaction activity remains constructive. Sustained, elevated activity levels across the U.S. should drive continued improvement in midstream and downstream business performance, increasing overall balance sheet capacity to consummate acquisitions on the buy-side and likely improving absolute valuations for asset owners on the sell-side. Additionally, midstream consolidation should continue to be a prominent theme across both the private and public midstream landscape as asset optimization and cost synergies remain focus areas for strategic operators.

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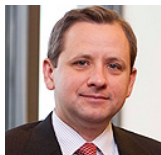
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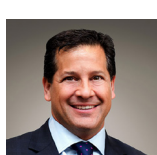
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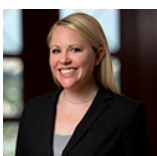
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2021 Transaction Summary



has been acquired by



December 2021

Operational Excellence Group Ltd., a provider of sustainability focused artificial intelligence solutions that enable energy companies to achieve cleaner, more efficient and lower cost operations has been acquired by ERM Europe, Ltd.



and



have been acquired by



December 2021

Group 2 Technologies, LLC., a provider of patented extended-release chemistries, and **Tomson Technologies, LLC.**, a chemical research laboratory, have been acquired by ChampionX.

Undisclosed Company

has entered into a Development Partnership

December 2021

An Undisclosed Company, has entered into a Development Partnership.



a division of



has sold contract compression assets to



December 2021

Heartland Compression Services, the contract compression division of Louisiana Machinery Company, LLC, has sold contract compression assets to Nova Compression, LLC.



has been acquired by



November 2021

Echo Canyon Pipeline Holdings, LLC., a provider of crude oil gathering and marketing services to upstream operators in the Permian Basin, has been acquired by MVP Holdings, LLC.




has been acquired by



November 2021

Soligent Holdings Inc., an independent and integrated solar and energy storage equipment distributor, has been acquired by City Electric Supply Company.

\$105 Million



Senior Secured Term Loan

Sole Debt Placement Agent

November 2021

Orbital Energy Group, Inc., a diversified infrastructure services platform focused in power and telecommunications, raised a senior secured term loan.

\$218 Million



has acquired




November 2021

Orbital Energy Group, Inc., a diversified infrastructure services platform focused in power and telecommunications, has acquired Front Line Power Construction, LLC.

2021 Transaction Summary

\$230 Million




Follow-On Offering

Bookrunner
November 2021

Northern Oil and Gas, Inc., (NYSE: NOG), a non-operated exploration and production company focused on acquiring minority working and mineral interests in oil and gas properties, has completed a follow-on equity offering.

\$75 Million



Senior Secured Term Loan
and Delayed Draw
Term Loan

Sole Debt Placement Agent
October 2021

Python Holdings, LLC, a holding company with investments across multiple industries, raised committed debt capital in the form of a senior secured term loan and delayed draw down term loan.



has acquired
certain assets from



October 2021

Ranger Energy Services, Inc. (NYSE: RNGR), has acquired Basic Energy Services, Inc. well service-related assets outside California in a \$363 going concern sale as part of Basic's voluntary Chapter 11 bankruptcy proceedings and raised convertible preferred equity along with an upsized credit facility.

\$278 Million



has been acquired by



October 2021

Pioneer Energy Services Corp., a provider of land drilling, well and wireline services, has been acquired by Patterson-UTI Energy Inc. (NASDAQ: PTEN).



has been acquired by



October 2021

FoundOcean Ltd., an offshore construction grouting company to the offshore renewables and oil and gas markets, has been acquired by Venterra.

\$95 Million



has divested its
GeoSoftware business to



and



October 2021

CGG SA (EPA: CGG), a global geoscience technology company, has sold its GeoSoftware business to Topicus.com Inc. and Vela Software (an operating Group of Constellation Software Inc.).

\$1.1 Billion



CATALYZING A CLEANER FUTURE

has merged with



Capital Markets Advisor
October 2021

ESS Tech Inc. (NYSE: GWH), a long-duration commercial and utility-scale energy storage company, combined with ACON S2 Acquisition Corp., a special purpose acquisition company.




has divested Mid-Con assets to

**Undisclosed Private
Company**

October 2021

Castlelake, L.P., a private investment fund, has divested non-operated wellbore interests and a portion of its undeveloped leasehold managed by Titanium Exploration Partners, LLC to an undisclosed private company.

2021 Transaction Summary (cont'd)



has formed a strategic joint venture with



October 2021

Oryx Midstream Holdings, LLC, a Permian Basin midstream company, has formed a strategic joint venture named Plains Oryx Permian Basin, LLC with Plains All American Pipeline, L.P. (NASDAQ: PAA & PAGP).



has acquired



September 2021

Venterra Group Plc., a global offshore wind services company providing pre-FID and project development engineering, construction and installation support and operations and maintenance services, has acquired Osbit.



has sold three renewable natural gas facilities in Idaho to




September 2021

Vitol, Inc., a global energy and commodities company, has sold three renewable natural gas facilities to Amp Americas II, LLC.

\$271 Million

Undisclosed Private Company


has divested Williston Basin Mountrail County, ND assets to




September 2021

An undisclosed private company has divested Williston Basin oil and gas assets to Whiting Petroleum Corp. (NYSE: WLL).

\$268 Million



has acquired



August 2021

NexTier Oilfield Solutions Inc. (NYSE: NEX), a well completion and production service company, has acquired Alamo Pressure Pumping.



has acquired



August 2021

Venterra Group Plc., a global offshore wind services company providing pre-FID and project development engineering, construction and installation support and operations and maintenance services, has acquired GDG.


\$400 Million




Senior Unsecured Green Notes

August 2021

Sunnova Energy Corp. (NYSE: NOVA), a provider of residential solar and energy storage solutions, issued senior unsecured green notes.



has divested Texas Eagle Ford oil and gas assets to



August 2021

Rosewood Resources, Inc., a privately held oil and gas company, has divested Eagle Ford oil and gas assets.

2021 Transaction Summary (cont'd)

Undisclosed Private Company

A private company has sold Permian Basin crude oil and storage pipeline assets

Undisclosed Buyer

August 2021

An Undisclosed Private Company has sold Permian Basin crude oil and storage pipeline assets to an Undisclosed Buyer.

PANGEO
SUBSEA 
sounding out risk

has been acquired by



July 2021

PanGeo Subsea Inc., a marine geophysical-geotechnical technology company focused on 3D acoustic imaging solutions in offshore energy markets, has been acquired by Kraken Robotics.



has been acquired by

SCF PARTNERS
HOUSTON | CALGARY | ABERDEEN | SINGAPORE

July 2021

Hydrasun Ltd., a provider of products, services and integrated solutions for fluid transfer, power and control for both topside and subsea applications, has been acquired by SCF Partners.

\$431 Million



Follow-On Offering

July 2021

Shoals Technologies Group, Inc. (NASDAQ: SHLS), a provider of electrical balance of system solutions for solar, storage and electric vehicle charging infrastructure, has completed a follow-on equity offering.

\$126 Million



Private Placement of Convertible Senior Secured (Third Lien) PIK Notes

Advisor to the Special Committee of the Board
June 2021

U.S. Well Services, Inc. (NASDAQ: USWS), a provider of hydraulic fracturing and electric fracture stimulation, issued convertible senior secured PIK notes.

\$400 Million



144A placement of senior notes

June 2021

Precision Drilling Corporation, a contract drilling, completion and production services company, completed a 144A placement of senior notes.



has divested its airborne and marine Multi-Physics data acquisition business to



June 2021

CGG SA (EPA: CGG), a global geoscience technology company, has divested its airborne and marine Multi-Physics data acquisition business to Xcalibur Geophysical Spain S.L.



has acquired Midland Basin Assets from



June 2021

Vencer Energy LLC, Vitol's U.S. upstream company, has acquired Hunt Oil Company's Midland Basin assets.

2021 Transaction Summary (cont'd)



has contributed assets to



May 2021

Forbes Energy Services Ltd., an oilfield services contractor, has contributed well servicing and coiled tubing assets to Axis Energy Services.




has acquired



May 2021

Delmar Systems, Inc., a provider of temporary and permanent offshore mooring services, has acquired Vryhof Group Cooperatief UA, a subsidiary of Moreld Holdings.



has divested majority interest in its High Pressure Solutions segment to



April 2021

Ingersoll Rand, Inc., a provider of compressed air and gas systems, sold a majority interest in their High Pressure Solutions segment to American Industrial Partners.




has sold its controlling stake in




to the firm's management team backed by institutional investors

April 2021

Blue Water Energy LLP, an energy-focused private equity firm, has sold its stake in px Group to the firm's management team backed by institutional investors.




has been acquired by



April 2021

Zilift Ltd., a high-technology electrical submersible pump manufacturer, has been acquired by Schlumberger (NYSE: SLB).



has divested its Middle Eastern Drilling Fluids business to

An Undisclosed Buyer

April 2021

Qmax Solutions Inc., a provider of engineering drilling fluid systems and waste management services, has divested its Middle Eastern Drilling Fluids business to an Undisclosed Buyer.

\$258 Million



Initial Public Offering

April 2021

FTC Solar, Inc. (NASDAQ: FTCI), a provider of advanced solar tracker systems, completed its initial public offering.

Pioneer Well Services
a wholly-owned subsidiary of



has been acquired by



a portfolio company of



March 2021

Pioneer Well Services, LLC, a wholly-owned subsidiary of Pioneer Natural Resources and a provider of well service rigs for workovers, completion operations and wellsite support services, has been acquired by American Well Service LLC, a portfolio investment of Argonaut Private Equity.

2021 Transaction Summary (cont'd)

\$993 Million



Follow-On Offering

March 2021

Array Technologies, Inc. (NASDAQ: ARRY), a technology company providing tracker solutions and services for utility-scale solar energy projects has completed a follow-on equity offering.

\$366 Million



Follow-On Offering

March 2021

Renewable Energy Group, Inc. (NASDAQ: REGI), a provider of low-carbon transportation fuels in the U.S. and internationally, has completed a follow-on equity offering.



has invested in



March 2021

Arcline Investment Management L.P., a growth-oriented private equity firm, has acquired PDC Machines, a leading manufacturer of specialty gas compression systems used in all stages of the hydrogen energy supply chain, including hydrogen production, transportation, storage and refueling.




has sold its Oklahoma natural gas gathering and processing assets to



March 2021

Canyon Midstream Partners II, LLC, a natural gas midstream company, has sold its Oklahoma natural gas gathering, treating and processing business to Tall Oak Midstream II.



has sold its Houston Ship Channel pipelines to

An Undisclosed Buyer

March 2021

The LYCRA Company, LLC, a provider of fiber and technology solutions to the apparel and personal care industries, has sold its Houston Ship Channel pipelines to an Undisclosed Buyer.

\$132 Million




has sold its Cushing, OK crude oil terminals to



March 2021

Blueknight Energy Partners, L.P., (Nasdaq: BKEP and BKEPP), has sold its Cushing, OK crude oil terminals to Enbridge, Inc. (NYSE: ENB).

\$20 Million




has sold its Oklahoma crude oil pipelines to



March 2021

Blueknight Energy Partners, L.P., (Nasdaq: BKEP and BKEPP), has sold its Oklahoma crude oil pipelines to subsidiaries of CVR Energy, Inc. (NYSE: CVI).

\$92 Million



Follow-On Offering

March 2021

Par Pacific Holdings, Inc., (NYSE: PARR), an owner and operator of energy, infrastructure and retail businesses, has completed a follow-on equity offering.

2021 Transaction Summary (cont'd)

\$205 Million



Follow-On Offering

March 2021

Magnolia Oil & Gas (NYSE: MGY), an oil and gas exploration and production company successfully completed a follow-on equity offering.



has acquired certain share capital, operating assets and IP from



February 2021

Sawafi Al-Jazeera Oilfield Products and Services Co. Ltd., a provider of drilling enhancement, artificial lift and well characterization products and services to the Saudi Arabian oil and gas industry, has acquired certain shares and assets of Newsco.

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