

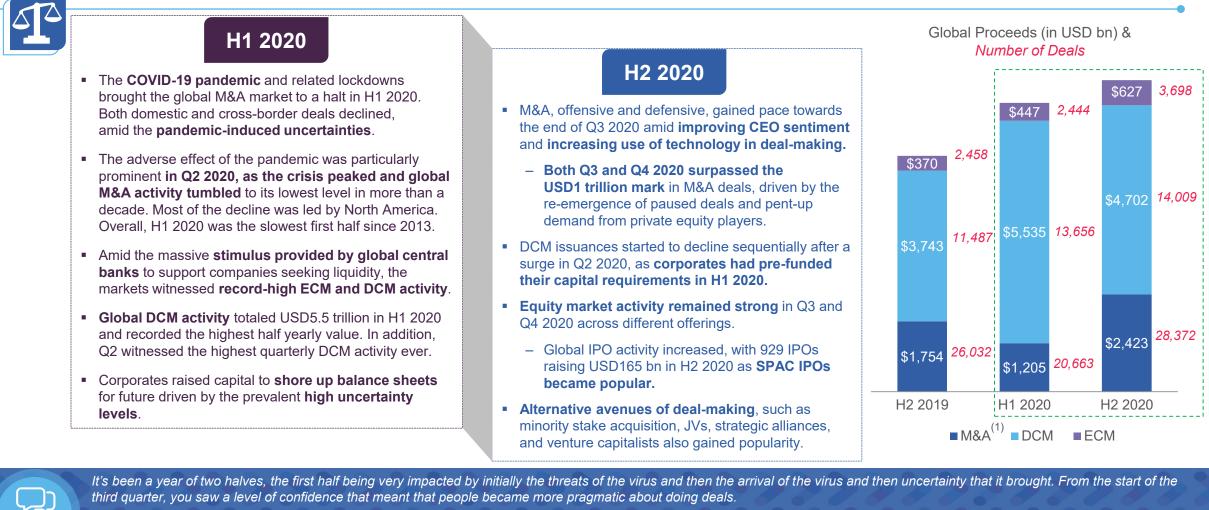
Investment Banking Update (FY 2020)

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February 2021

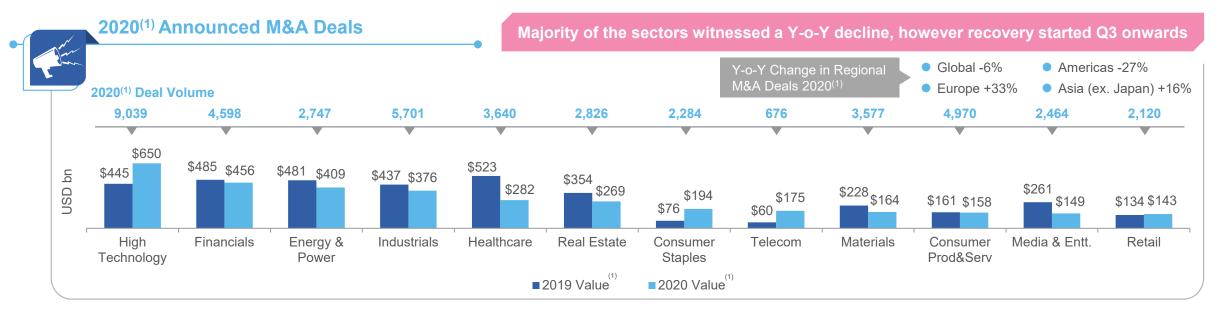
A Year of Two Halves for Investment Banking and Capital Markets Activity





- Piers Prichard Jones, Partner & Co-head of M&A Practice in London, Freshfields Bruckhaus Deringer (December 2020)

For FY 2020, M&A Activity Was Adversely Impacted Due to the Pandemic; Partially Offset by a Rebound in H2 2020



- In FY 2020, the value of global deals was USD3.6 trillion, down 5% Y-o-Y.
 - On a Y-o-Y basis, M&A for US targets tripled in H2 2020 but was down 21% for FY 2020.
 - The value of M&A for European targets stood at USD1.0 trillion (up 36% Y-o-Y), while for APAC targets, it was valued at USD883 bn (up 16% Y-o-Y)
- M&A activity had started to recover in Q3 2020 and it surged in Q4 2020
 - Quarterly deal making crossed the USD1 trillion mark for the second consecutive quarter in Q4 2020.
 - H2 2020 was strongest second half in terms of M&A activity since 1980. The value of M&A activity stood at USD2.3 trillion, up 90% compared with COVID-hit H1 2020.
 - The value of M&A activity in the tech sector reached an all-time high crossing USD650 bn in FY 2020, up ~50% Y-o-Y.
- Cross-border M&A totaled USD1.3 trillion in FY 2020 (up 12% Y-o-Y), the highest since 2018.
- PE-backed deals accounted for 16% of overall deals in FY 2020 (highest since 2007). A record 8,800 deals were announced during the year, up 26% Y-o-Y.

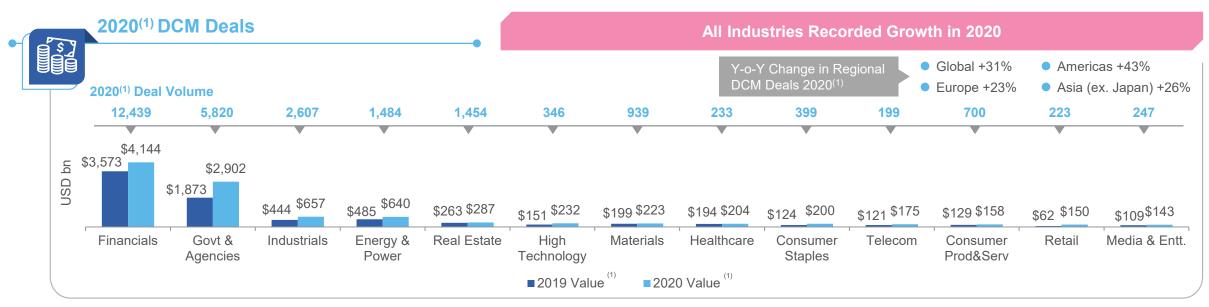
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Top 20 M&A Deals in FY 2020, Most of which were Announced in H2 2020

Announced Date	Acquirer Name	Acquirer Nation	Target Name	Target Nation	Size (USD bn)	Target Industry	Consideration
Nov 30, 2020	S&P Global Inc	United States	IHS Markit	United Kingdom	\$43.5	Technology	Cash & Stock
Sep 13, 2020	Nvidia Corp	United States	Arm Ltd	United Kingdom	\$40.0	Technology	Cash & Stock
Dec 12, 2020	AstraZeneca	United Kingdom	Alexion Pharmaceuticals	United States	\$39.6	Healthcare	Cash & Stock
Oct 27, 2020	Advanced Micro Devices	United States	Xilinx	United States	\$34.6	Technology	All Stock
Mar 09, 2020	Aon	United Kingdom	Willis Tower Watson	United Kingdom	\$30.1	Finance	All Stock
Dec 01, 2020	Salesforce.com	United States	Slack Technologies	United States	\$27.5	Technology	Cash & Stock
Oct 05, 2020	Veolia Environnement	France	Suez SA	France	\$23.0	Energy & Power	All Cash
Aug 02, 2020	7-Eleven	United States	Speedway	United States	\$21.0	Retail	All Cash
Jul 13, 2020	Analog Devices	United States	Maxim Integrated Products	United States	\$20.7	Technology	All Stock
Sep 13, 2020	Gilead Sciences	United States	Immunomedics	United States	\$19.8	Healthcare	All Cash
Feb 27, 2020	Advent, Cinven, RAG Foundation	United Kingdom	Thyssenkrupp - Elevator Business	Germany	\$18.7	Industrial	All Cash
Aug 05, 2020	Teladoc Health	United States	Livongo Health	United States	\$17.3	Healthcare	Cash & Stock
Sep 23, 2020	Gores Holdings IV	United States	United Wholesale Mortgage	United States	\$16.2	Finance	All Stock
Aug 02, 2020	Siemens Healthineers	Germany	Varian Medical Systems	United States	\$16.2	Healthcare	All Cash
Oct 15, 2020	Investor Group	United States	BioMed Realty Trust	United States	\$14.6	Finance	All Cash
Feb 20, 2020	Morgan Stanley	United States	E*TRADE Financial	United States	\$13.1	Finance	All Stock
Oct 19, 2020	ConocoPhillips	United States	Concho Resources	United States	\$12.9	Energy & Power	All Stock
Oct 05, 2020	Bristol-Myers Squibb Co	United States	MyoKardia	United States	\$12.9	Healthcare	All Cash
Jul 20,2020	Chevron Corp	United States	Noble Energy	United States	\$12.6	Energy & Power	All Stock
May 07, 2020	Virgin Media Ltd	United Kingdom	O2 Holdings	United Kingdom	\$12.6	Technology	

FY 2020 Witnessed Strong Debt Issuances Across the Sectors; Activity Slowed Down Sequentially after Record-breaking H1 2020



- Massive stimulus provided by central banks across the globe and an extraordinarily lowyield environment throughout the year resulted in DCM issuances worth USD10.2 trillion in 2020, the strongest ever annual period for DCM activity. However, the bond market slowed down in H2 2020, as debt issuances decreased by 15% compared with H1 2020.
 - Issuers across sectors witnessed growth in DCM issuances vis-à-vis 2019, led by the retail, consumer staples, and technology sectors.
- Both investment-grade and high-yield issuances witnessed record growth in FY 2020 due to high level of volatility in capital markets.
 - HY issuances totaled over USD500 bn, with four consecutive quarters surpassing the USD100 bn mark.
 - IG issuances totaled USD4.8 trillion, as 5 out of all time top-10 months for issuances were in 2020.
- Green bond issuances accelerated during the year and were at an all-time high of USD222 bn, up 26% Y-o-Y.

\$421 22% \$514 \$1,771 15% \$1,505 \$251 \$296 18% \$2,785 \$2.030 27% H1 2020 H2 2020 Investment Grade Corporate High Yield Corporate Agency, Sovereign & Supranational (2) Securitization⁽³⁾

Note: 1. For the period from January 1st till December 17th of 2020 and 2019 2. Includes US Federal Credit Agency Debt

Source: Refinitiv

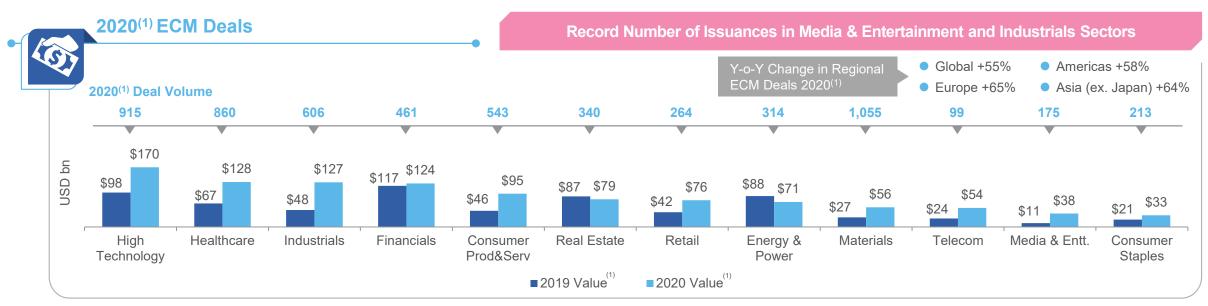
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3. Includes Global Mortgage-backed Securities and Asset-backed Securities

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2020⁽¹⁾ DCM Issuances By Type (USD bn)

ECMs Remained Resilient Despite Macroeconomic Volatility in FY 2020



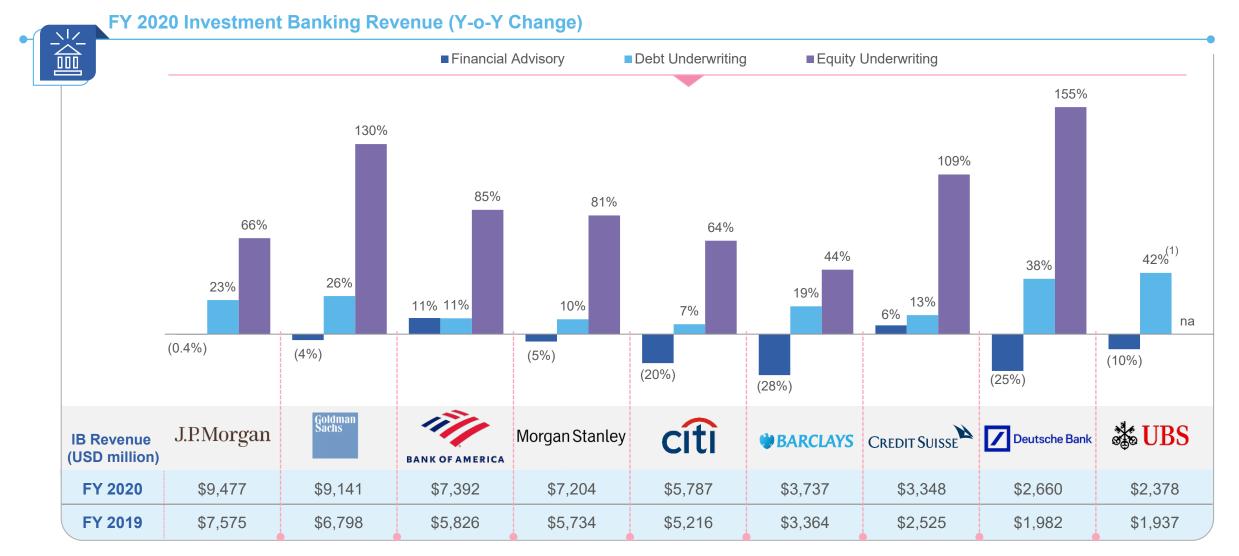
- Despite a volatile macroeconomic outlook, ECM activity in FY 2020 crossed the USD1.1 trillion mark, up 56% Y-o-Y, reflecting the strongest-ever year global ECM activity.
 - With over 1,900 deals, Q4 2020 broke the record of deals priced in a single quarter set in Q3 2020 (~1,800 deals).
- The technology, healthcare, and industrials sectors led the surge in ECM issuances.
 - Tech IPOs are expected to continue in H1 2021.
- A total of 1,341 secondary offerings worth USD177.9 bn were announced in Q4 2020 (the largest number of secondary offerings in a quarter).
- The US led the IPO boom in 2020. The trend will likely spread across Europe in 2021.
- ECM activity will likely remain high as many sectors are still recovering. The innovation of traditional IPOs, coupled with SPAC and direct listings will continue in 2021.

2020⁽¹⁾ Region-wise ECM Issuances By Type (USD bn)

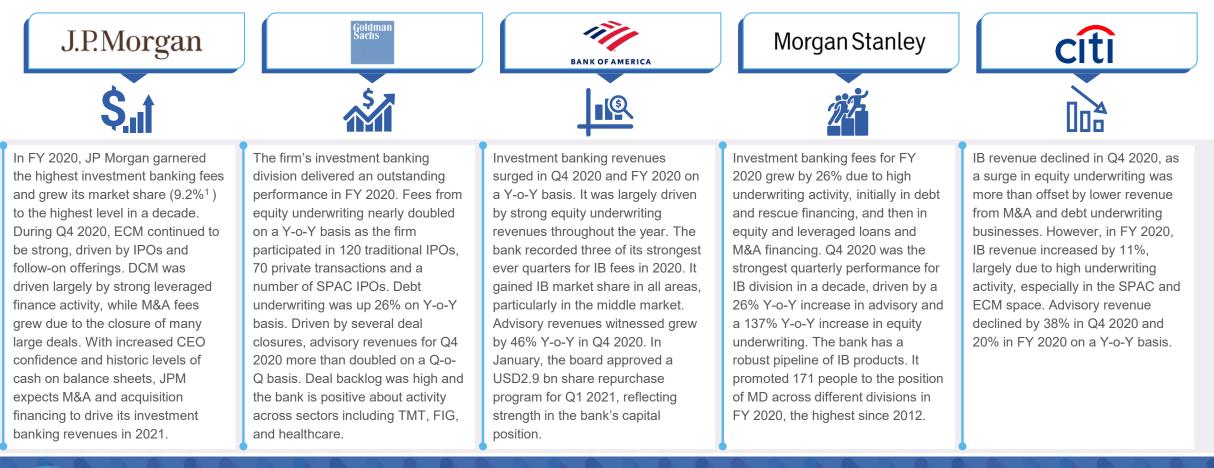


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In FY 2020, Underwriting Surged but Advisory was Hurt by Pandemic-induced Halt in M&A in H1 2020



Performance of Bulge Bracket Investment Banks in FY 2020 – Key Highlights (1/2)



M&A is a confidence game. With political certainty, the end of the pandemic in sight, and strong capital markets, the confidence levels in the C-suite and board rooms are high. That bodes well for M&A.....M&A is no longer an add-on but an important part of a company's value story. More and more clients feel comfortable taking calculated risks, driving their M&A agenda forward to build the future of the company.

- Dirk Albersmeier and Anu Aiyengar, Global Co-Heads of M&A, JP Morgan (January 2021)

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Performance of Bulge Bracket Investment Banks in FY 2020 – Key Highlights (2/2)



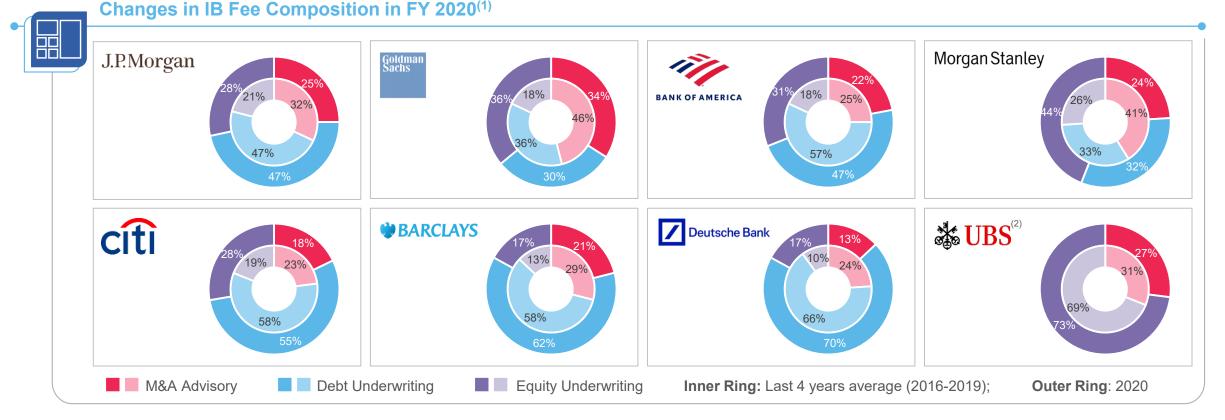
There is a regulatory arbitrage between the SPAC model and traditional IPOs. In the marketing process around SPAC combinations, there is an ability to discuss projections or forward guidance, whereas in regular-way IPOs, companies can't provide that information. The regulators may ultimately try to narrow this gap, but for now the difference is creating real opportunities.

- James Fleming, Global Co-Head of ECM, Citigroup (December 2020)

In FY 2020, Share of Revenue Has Changed for Banks in Favor of Underwriting Activity

2020 was a very robust year for underwriting both debt and equity. You saw a bump this year as companies looked to access capital markets to shore up their balance sheets in the face of pandemic-related uncertainty.

- Jason Goldberg, Analyst, Barclays (December 29, 2020)



Source: Company reports

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Note: 1. Revenue breakdown not available for Credit Suisse

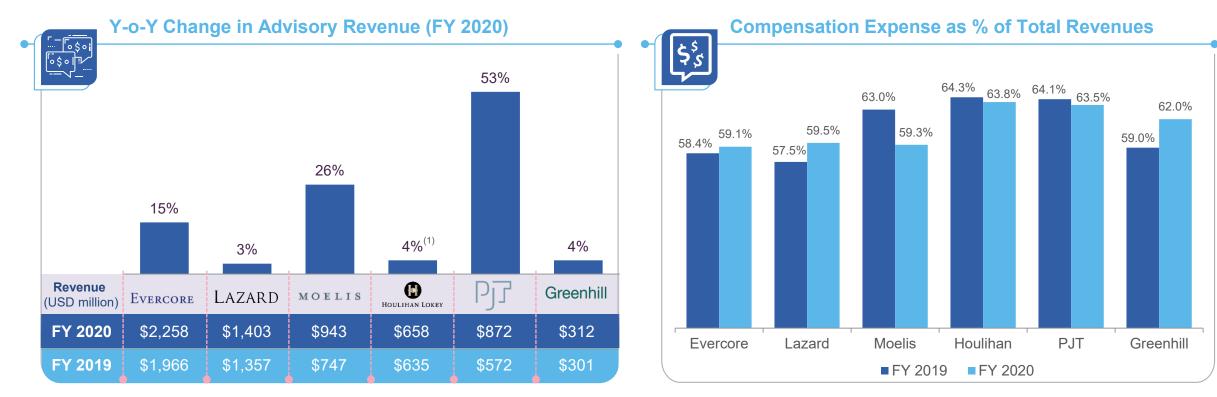
2. For UBS, combined underwriting revenue used as split between equity and debt underwriting not available



Advisory Firms Witnessed Growth in M&A Discussions and Restructuring Activities



- In FY 2020, the advisory firms witnessed a surge in restructuring fees, especially in H1 2020, as pandemic-hit clients looked to restructure business models and capital structure.
- During Q4 2020, the firms experienced an increase in M&A activity both in terms of closing of earlier announced deals as well as significant increase in new discussions. This trend is expected to continue in the near term.
- External hiring and internal promotions across the advisory firms indicate positive outlook for the advisory business.



Source: Company reports

11 Note: 1. Houlihan Lokey is March ending company. Advisory revenue data is calculated for twelve months ended December. Comp ratio is for nine months ending December

Performance of M&A Advisory Firms in FY 2020 – Key Highlights (1/2)



- Kenneth Marc Jacobs, Chairman & CEO, Lazard (February 05, 2021)

Performance of M&A Advisory Firms in FY 2020 – Key Highlights (2/2)



We entered 2021 in what feels like a favorable environment for our business. With respect to M&A, a positive economic outlook driven by unprecedented fiscal and monetary stimulus, combined with high stock prices, low borrowing costs, very substantial dry powder at private equity funds, a plethora of special purpose acquisition companies looking for deals and a variety of other factors, should drive increased deal activity. In particular, we expect increased M&A revenue in most of our international offices as well as in certain sectors like industrials where activity was low in 2020.

- Scott Lee Bok, Chairman & CEO, Greenhill & Co. (February 04, 2021)

The Road Ahead



M&A recovery and acquisition financing will gain momentum

- Factors expected to drive M&A recovery include access to capital for corporates looking to expand, PEs with high levels of dry powder looking for lucrative opportunities, and sale of businesses by distressed companies or by companies that are reassessing their non-core asset strategies.
- For wholesale businesses of bulge bracket banks, acquisition financing is expected to drive loan growth in H1 2021.



Vaccine rollout, changes in US political landscape, and rising scrutiny on deals will affect the industry

- With the arrival of a COVID-19 vaccine, the M&A market may further open up, especially with regard to large-ticket transactions. However, the Biden
 administration's proposed regulations on tax, trade, healthcare, and the environment, as well as heightened M&A scrutiny and stricter anti-trust laws would
 increase deal monitoring. However, the administration could be lenient on cross-border M&A.
- Many governments, including the UK and Germany, have expanded rules to assess the impact of a deal on national interest, data privacy, and competition.



Distressed sectors expected to pick up and increased focus on technology will drive cross-sector deals

- Sectors such as aerospace, energy, and real estate, which did not have a near-term recovery scenario, are likely to bounce back as lockdown restrictions are easing across the globe. Such industries are expected to reconsider the pent-up M&A demand.
- Technology will be an important factor for M&A; thus, cross-sector deals with non-tech companies seeking digital transformation will likely drive M&A.



ESG investments expected to surge in 2021

- After a spectacular year, funds with environmental, social, and governance (ESG) focus are expected to continue to attract investments in 2021.
- The pandemic shifted the focus on ESG with investors assigning greater importance on firms which are able to survive negative shocks and prove sustainable.
- The surge in ESG investments is driven by more stringent regulations, sustainability disclosures, and changing investor preference.



SPAC IPOs to drive M&A and capital market activity

- Record investments in SPAC IPOs in 2020 boosted the popularity and acceptance of this non-traditional way of raising capital.
- The trend is expected to continue in 2021.
- As SPACs are required to acquire a suitable target within 18–24 months, such de-SPACs transactions will likely fuel the demand for M&A in coming months.

About the Authors



NISHANT GUPTA

Vice President Head of Delivery, Corporate and Investment Banking LoB

 Nishant has over 15 years of experience in transitioning and setting up offshore support teams for global investment banks

Nishant.Gupta@evalueserve.com



VIVEK SHARMA

Associate Vice President Corporate and Investment Banking LoB

 Vivek has over 13 years of experience in setting up offshore support teams for global investment banks and managing delivery

Vivek.Sharma@evalueserve.com



VISHESH JOHAR

Group Manager Corporate and Investment Banking LoB

• Vishesh has over 11 years of experience in managing investment banking delivery teams

🔀 Vishesh.Johar@evalueserve.com



ANKIT MOGHE

Manager Corporate and Investment Banking LoB

• Ankit has over 8 years of experience working in investment banking and capital market teams

📈 Ankit.Moghe@evalueserve.com

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