

November 2022

# Global & GCC **Capital Markets** Review

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# GCC Asset Class Monthly Performance

| Dec-21                                  | 2021                             | Jan-22                                  | Feb-22         | Mar-22                          | Apr-22                                  | May-22                        | Jun-22                              | Jul-22                                  | Aug-22                          | Sep-22               | Oct-22                                  | YTD 2022     |
|---|----------------------------------|---|----------------|---------------------------------|---|-------------------------------|-------------------------------------|---|---------------------------------|----------------------|---|--------------|
| KSA Equity                              | Abu Dhabi                        | KSA Equity                              | Abu Dhabi      | Abu Dhabi                       | Dubai Equity                            | GCC Bonds                     | GCC Bonds                           | Qatar Equity                            | Dubai Equity                    | Abu Dhabi            | Abu Dhabi                               | Abu Dhabi    |
| (TASI)                                  | Equity (ADI)                     | (TASI)                                  | Equity (ADI)   | Equity (ADI)                    | (DFMGI)                                 | (S&P Index)                   | (S&P Index)                         | (QE Index)                              | (DFMGI)                         | Equity (ADI)         | Equity (ADI)                            | Equity (ADI) |
| 4.8%                                    | 68.2%                            | 8.8%                                    | 7.1%           | 6.8%                            | 5.5%                                    | 0.2%                          | -3.0%                               | 9.7%                                    | 3.2%                            | -1.3%                | 6.8%                                    | 22.7%        |
| Dubai Equity                            | GCC Equity                       | Qatar Equity                            | Dubai Equity   | Kuwait Equity                   | KSA Equity                              | Abu Dhabi                     | Dubai Equity                        | KSA Equity                              | Abu Dhabi                       | Dubai Equity         | GC( Equity                              | Qatar Equity |
| (DFMGI)                                 | (S&P GCC)                        | (QE Index)                              | (DFMGI)        | (All Share PR)                  | (TASI)                                  | Equity (ADI)                  | (DFMGI)                             | (TASI)                                  | Equity (ADI)                    | (DFMGI)              | (S&P CCC)                               | (QE Index)   |
| 4.0%                                    | 31.4%                            | 7.5%                                    | 4.7%           | 6.7%                            | 4.9%                                    | -0.3%                         | -3.7%                               | 5.9%                                    | 2.2%                            | -3.0%                | 2.3%                                    | 6.8%         |
| GCC Equity                              | KSA Equity                       | GCC Equity                              | Kuwait Equity  | Dubai Equity                    | CCC Equity                              | Qatar Equity                  | Kuwait Equity                       | '// '                                   | KSA Equity                      | Qatar Equity         | KSA Equity                              | Dubai Equity |
| (S&P GCC)                               | (TASI)                           | (S&P GCC)                               | (All Share PR) | (DFMGI)                         | (S&P GCC)                               | (QE Index)                    | (All Share PR)                      |   | (TASI)                          | (QE Index)           | (TASI)                                  | (DFMGI)      |
| 4.0%                                    | 29.8%                            | 7.0%                                    | 3.9%           | 5.1%                            | 2.8%                                    | -4.9%                         | -5.3%                               |   | 0.7%                            | -5.4%                | 2.3%                                    | 4.3%         |
| Kuwait Equity<br>(All Share PR)<br>3.7% | Dubai Equity<br>(DFMGI)<br>28.2% | Kuwait Equity<br>(All Share PR)<br>4.4% |                | GCC Equity<br>(S&P GCC)<br>4.8% | Kuwait Equity<br>(All Share PR)<br>2.6% | KSA Equity<br>(TASI)<br>-5.9% | Qatar Equity<br>(QE Index)<br>-5.6% | Kuwait Equity<br>(All Share PR)<br>4.2% | GCC Equity<br>(S&P GCC)<br>0.7% | (S&P Index)<br>-6.6% | Kuwait Equity<br>(All Share PR)<br>0.0% |              |
| Qatar Equity                            | Kuwait Equity                    |   | GCC Equity     | Qatar Equity                    | Abu Dhabi                               | Kuwait Equity                 | Abu Dhabi                           | GCC Bonds                               | Qatar Equity                    | GCC Equity           | Dubai Equity                            | KSA Equity   |
| (QE Index)                              | (All Share PR)                   |   | (S&P GCC)      | (QE Index)                      | Equity (ADI)                            | (All Share PR)                | Equity (ADI)                        | (S&P Index)                             | (QE Index)                      | (S&P GCC)            | (DFMGI)                                 | (TASI)       |
| 2.1%                                    | 27.0%                            |   | 3.2%           | 4.5%                            | 1.3%                                    | -6.1%                         | -6.8%                               | 3.6%                                    | 0.4%                            | -7.0%                | -0.2%                                   | 3.4%         |
| GCC Bonds                               | Qatar Equity                     | Dubai Equity                            | KSA Equity     | KSA Equity                      | Qatar Equity                            | GCC Equity                    | GCC Equity                          | Dubai Equity                            | Kuwait Equity                   | KSA Equity           | GCC Bonds                               | GCC Equity   |
| (S&P Index)                             | (QE Index)                       | (DFMGI)                                 | (TASI)         | (TASI)                          | (QE Index)                              | (S&P GCC)                     | (S&P GCC)                           | (DFMGI)                                 | (All Share PR)                  | (TASI)               | (S&P Index)                             | (S&P GCC)    |
| 0.8%                                    | 11.4%                            | 0.2%                                    | 2.6%           | 4.0%                            | 0.4%                                    | -7.0%                         | -9.7%                               | 3.6%                                    | -0.1%                           | -7.1%                | -2.1%                                   | 1.3%         |
| Abu Dhabi                               | GCC Bonds                        | GCC Bonds                               | GCC Bonds      | GCC Bonds                       | GCC Bonds                               | Dubai Equity                  | KSA Equity                          | Abu Dhabi                               | GCC Bonds                       | Kuwait Equity        |   | GCC Bonds    |
| Equity (ADI)                            | (S&P Index)                      | (S&P Index)                             | (S&P Index)    | (S&P Index)                     | (S&P Index)                             | (DFMGI)                       | (TASI)                              | Equity (ADI)                            | (S&P Index)                     | (All Share PR)       |   | (S&P Index)  |
| -0.7%                                   | 0.1%                             | -2.6%                                   | -1.8%          | -1.8%                           | -4.4%                                   | -10.0%                        | -10.8%                              | 3.1%                                    | -1.7%                           | -7.8%                |   | -18.8%       |



### Global Asset Class Monthly Performance

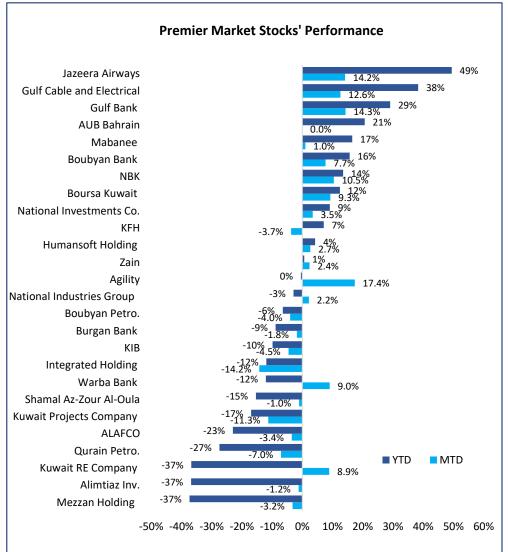
| Dec-21                               | 2021                                 | Jan-22                               | Feb-22                               | Mar-22                               | Apr-22                               | May-22                              | Jun-22                               | Jul-22                              | Aug-22                               | Sep-22                               | Oct-22                               | YTD 2022                              |
|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|
| Oil (Brent)<br>10.2%                 | Crypto<br>(Bitcoin)<br>59.8%         | Oil (Brent)<br>17.3%                 | Oil (Brent)<br>10.7%                 | Crypto<br>(Bitcoin)<br>9.9%          | Oil (Brent)<br>1.3%                  | Oil (Brent)<br>12.3%                | US Bonds (US<br>Agg. Index)<br>-1.7% | Crypto<br>(Bitcoin)<br>26.4%        | EM Equity<br>(MSCI EM)<br>0.0%       | Crypto<br>(Bitcoin)<br>-3.9%         | US Equity<br>(S&P 500)<br>8.0%       | Oil (Brent)<br>21.9%                  |
| US Equity<br>(S&P 500)<br>4.4%       | Oil (Brent)<br>50.2%                 | EM Equity<br>(MSCI EM)<br>-1.9%      | Crypto<br>(Bitcoin)<br>8.4%          | Oil (Brent)<br>6.9%                  | US Bonds (US<br>Agg. Index)<br>-3.9% | US Bonds (US<br>Agg. Index)<br>0.6% | EM Bonds<br>(JPMC EMBI)<br>-6.5%     | US Equity<br>(S&P 500)<br>9.1%      | EM Bonds<br>(JPMC EMBI)<br>-3.1%     | US Bonds (US<br>Agg. Index)<br>-4.3% | Oil (Brent)<br>7.8%                  | US Bonds (US<br>Agg. Index)<br>-16.8% |
| DM Equity<br>(MSCI World)<br>4.2%    | US Equity<br>(S&P 500)<br>26.9%      | US Bonds (US<br>Agg. Index)<br>-2.0% | US Bonds (US<br>Agg. Index)<br>-1.3% | US Equity<br>(S&P 500)<br>3.6%       | EM Equity<br>(MSCI EM)<br>-5.7%      | EM Bonds<br>(JPMC EMBI)<br>0.4%     | Oil (Brent)<br>-6.5%                 | DM Equity<br>(MSCI World)<br>7.9%   | US Bonds (US<br>Agg. Index)<br>-3.2% | EM Bonds<br>(JPMC EMBI)<br>-6.9%     | DM Equity<br>(MSGI World)<br>7.1%    | US Equity<br>(S&P 500)<br>-18.8%      |
| EM Equity<br>(MSCI EM)<br>1.6%       | DM Equity<br>(MSCI World)<br>20.1%   | EM Bonds<br>(JPMC EMBI)<br>-3.4%     | DM Equity<br>(MSCI World)<br>-2.7%   | DM Equity<br>(MSCI World)<br>2.5%    | EM Bonds<br>(JPMC EMBI)<br>-7.0%     | EM Equity<br>(MSCI EM)<br>0.1%      | EM Equity<br>(MSCI EM)<br>-7.1%      | EM Bonds<br>(JPMC EMBI)<br>3.2%     | US Equity<br>(S&P 500)<br>-4.2%      | Oil (Brent)<br>-8.8%                 | Crypto<br>(Bitcoin)<br>5.1%          | DM Equity<br>(MSCI World)<br>-21.2%   |
| EM Bonds<br>(JPMC EMBI)<br>1.5%      | US Bonds (US<br>Agg. Index)<br>-3.5% | US Equity<br>(S&P 500)<br>-5.3%      | EM Equity<br>(MSCI EM)<br>-3.1%      | EM Bonds<br>(JPMC EMBI)<br>-1.5%     | DM Equity<br>(MSCI World)<br>-8.4%   | US Equity<br>(S&P 500)<br>0.0%      | US Equity<br>(S&P 500)<br>-8.4%      | US Bonds (US<br>Agg. Index)<br>2.4% | DM Equity<br>(MSCI World)<br>-4.3%   | US Equity<br>(S&P 500)<br>-9.3%      | EM Bonds<br>(JPMC EMBI)<br>-0.6%     | EM Bonds<br>(JPMC EMBI)<br>-27.7%     |
| US Bonds (US<br>Agg. Index)<br>-0.6% | EM Equity<br>(MSCI EM)<br>-4.6%      | DM Equity<br>(MSCI World)<br>-5.3%   | US Equity<br>(S&P 500)<br>-3.1%      | EM Equity<br>(MSCI EM)<br>-2.5%      | US Equity<br>(S&P 500)<br>-8.8%      | DM Equity<br>(MSCI World)<br>-0.2%  | DM Equity<br>(MSCI World)<br>-8.8%   | EM Equity<br>(MSCI EM)<br>-0.7%     | Oil (Brent)<br>-12.3%                | DM Equity<br>(MSCI World)<br>-9.5%   | US Bonds (US<br>Agg. Index)<br>-1.5% | EM Equity<br>(MSCI EM)<br>-31.2%      |
| Crypto<br>(Bitcoin)<br>-18.9%        | EM Bonds<br>(JPMC EMBI)<br>-5.9%     | Crypto<br>(Bitcoin)<br>-17.0%        | EM Bonds<br>(JPMC EMBI)<br>-5.9%     | US Bonds (US<br>Agg. Index)<br>-3.0% | Crypto<br>(Bitcoin)<br>-16.3%        | Crypto<br>(Bitcoin)<br>-17.0%       | Crypto<br>(Bitcoin)<br>-41.1%        | Oil (Brent)<br>-4.2%                | Crypto<br>(Bitcoin)<br>-14.7%        | EM Equity<br>(MSCI EM)<br>-11.9%     | EM Equity<br>(MSCI EM)<br>-3.2%      | Crypto<br>(Bitcoin)<br>-55.9%         |



### **Equities - Kuwait**

|                      | Market Performance & Key Metrics |      |         |           |         |              |  |  |  |
|----------------------|----------------------------------|------|---------|-----------|---------|--------------|--|--|--|
| Kuwait Index         | Mkt. Cap.                        |      | Returns |           | P/E TTM | ADVT<br>(USD |  |  |  |
| Ruwait illuex        | (USD Bn.) Oct-22                 |      | YTD     | 5 Yr CAGR | (x)     | Mn.)         |  |  |  |
| All Share Index      | 152                              | 3.0% | 3.9%    | 7.7%      | 12.7    | 198          |  |  |  |
| Premier Market Index | 122                              | 3.0% | 7.2%    | 10.3%     | 14.3    | 170          |  |  |  |
| Main Market Index    | 30                               | 2.8% | -6.7%   | 1.6%      | 8.6     | 28           |  |  |  |
| Main Market 50       | 17                               | 2.5% | -7.5%   | -         | 7.6     | 25           |  |  |  |

| Sectoral Performance & Key Metrics |           |        |        |              |           |  |  |  |  |
|------------------------------------|-----------|--------|--------|--------------|-----------|--|--|--|--|
| Sector                             | Mkt. Cap. | Ret    | urns   | P/E TTM (x)  | ADVT (USD |  |  |  |  |
|                                    | (USD Bn.) | Oct-22 | YTD    | P/E TTWI (X) | Mn.)      |  |  |  |  |
| Banks                              | 96.8      | 2.8%   | 10.4%  | 21.9         | 121.8     |  |  |  |  |
| Basic Materials                    | 2.5       | -5.0%  | -16.4% | 8.9          | 1.4       |  |  |  |  |
| Consumer Staples                   | 0.5       | -2.6%  | -37.8% | 37.4         | 1.3       |  |  |  |  |
| Consumer Discretionary             | -         | 0.8%   | 4.5%   | -            | 3.4       |  |  |  |  |
| Energy                             | 0.7       | -4.4%  | -28.5% | 13.2         | 0.1       |  |  |  |  |
| Financial Services                 | 12.1      | 1.8%   | -10.4% | 9.2          | 24.8      |  |  |  |  |
| Healthcare                         | 0.8       | 4.8%   | -39.5% | 13.6         | 0.0       |  |  |  |  |
| Industrials                        | 14.3      | 8.7%   | -3.2%  | 4.1          | 28.0      |  |  |  |  |
| Insurance                          | 2.0       | 1.6%   | -0.5%  | 5.7          | 0.3       |  |  |  |  |
| Real Estate                        | 8.5       | 2.3%   | -7.3%  | 7.2          | 9.6       |  |  |  |  |
| Technology                         | 0.0       | 3.5%   | -10.9% | -            | 0.0       |  |  |  |  |
| Telecom                            | 12.0      | 4.2%   | 11.3%  | 13.2         | 7.5       |  |  |  |  |
| Utilities                          | -         | -1.0%  | -15.4% | -            | 0.3       |  |  |  |  |





### Equities – GCC & Emerging Markets

| Market Performance & Key Metrics |           |        |         |             |                 |       |  |  |  |  |
|----------------------------------|-----------|--------|---------|-------------|-----------------|-------|--|--|--|--|
| Market                           | Mkt. Cap. |        | Returns | P/E TTM (x) | ADVT (USD       |       |  |  |  |  |
| iviai ket                        | (USD Bn.) | Oct-22 | YTD     | 5 Yr CAGR   | 1 / E 1 1 W (x) | Mn.)  |  |  |  |  |
| GCC (S&P GCC)                    | 767       | 2.3%   | 1.3%    | 9.7%        | 14.8            | -     |  |  |  |  |
| Saudi (TASI)                     | 470       | 2.3%   | 3.4%    | 10.7%       | 17.9            | 1,474 |  |  |  |  |
| Abu Dhabi (ADI)                  | 150       | 6.8%   | 22.7%   | 19.4%       | 19.7            | 316   |  |  |  |  |
| Qatar(QE Index)                  | 84        | -2.2%  | 6.8%    | 10.0%       | 13.8            | 115   |  |  |  |  |
| Dubai (DFMGI)                    | 37        | -0.2%  | 4.3%    | -0.5%       | 9.0             | 73    |  |  |  |  |

|                               | Market Performance & Key Metrics |        |         |           |            |  |  |  |  |
|-------------------------------|----------------------------------|--------|---------|-----------|------------|--|--|--|--|
| Market                        | Market Cap.                      |        | Returns |           | P/E TTM    |  |  |  |  |
| Iviarket                      | (USD Bn.)                        | Oct-22 | YTD     | 5 Yr CAGR | P/E I IIVI |  |  |  |  |
| MSCI Emerging<br>Market Index | 5,735                            | -3.2%  | -31.2%  | -6.0%     | 11.5       |  |  |  |  |
| China                         | 6,475                            | -4.3%  | -20.5%  | -2.6%     | 13.8       |  |  |  |  |
| India                         | 1,677                            | 5.4%   | 3.8%    | 11.3%     | 26.3       |  |  |  |  |
| Taiwan                        | 1,254                            | -3.5%  | -28.9%  | 4.0%      | NULL       |  |  |  |  |
| Brazil                        | 679                              | 5.5%   | 10.7%   | 8.7%      | 6.1        |  |  |  |  |

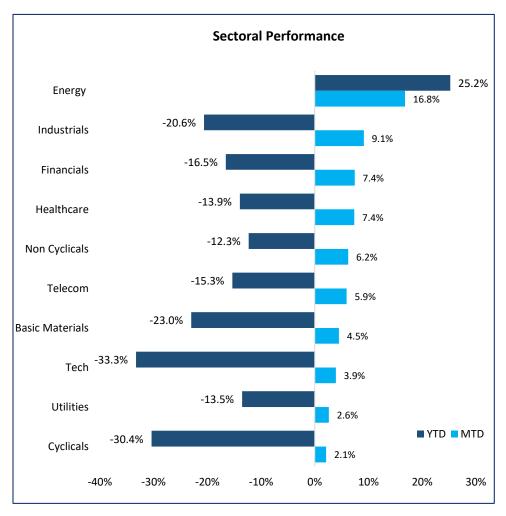
|                      |       | Performance of S&P GCC Total Return Index |       |        |       |       |  |  |  |  |
|----------------------|-------|---|-------|--------|-------|-------|--|--|--|--|
|                      | 2017  | 2018                                      | 2019  | 2020   | 2021  | 2022  |  |  |  |  |
| Jan                  | 1.6%  | 5.2%                                      | 6.9%  | -0.8%  | 2.0%  | 7.0%  |  |  |  |  |
| Feb                  | -0.7% | -2.3%                                     | -0.7% | -7.1%  | 3.2%  | 3.4%  |  |  |  |  |
| Mar                  | 0.0%  | 4.8%                                      | 4.1%  | -16.7% | 7.6%  | 5.5%  |  |  |  |  |
| Apr                  | 0.5%  | 3.9%                                      | 5.5%  | 9.7%   | 5.0%  | 3.4%  |  |  |  |  |
| May                  | -1.1% | -0.1%                                     | -5.4% | 1.4%   | 1.8%  | -6.9% |  |  |  |  |
| Jun                  | 3.3%  | 1.2%                                      | 2.5%  | 1.7%   | 3.1%  | -9.6% |  |  |  |  |
| Jul                  | 0.0%  | 2.7%                                      | 1.5%  | 1.8%   | 1.4%  | 6.1%  |  |  |  |  |
| Aug                  | 1.1%  | -2.3%                                     | -5.7% | 6.2%   | 3.8%  | 0.9%  |  |  |  |  |
| Sep                  | -0.6% | 0.3%                                      | -0.6% | 2.6%   | 1.6%  | -6.8% |  |  |  |  |
| Oct                  | -2.7% | 0.1%                                      | -2.5% | -2.7%  | 2.4%  | 2.4%  |  |  |  |  |
| Nov                  | -1.5% | -2.0%                                     | 1.3%  | 8.3%   | -5.0% | -     |  |  |  |  |
| Dec                  | 3.5%  | 0.7%                                      | 5.9%  | 0.7%   | 4.0%  | -     |  |  |  |  |
| Yearly Returns       | 3.4%  | 12.7%                                     | 12.5% | 2.1%   | 35.2% | 3.8%  |  |  |  |  |
| \$1 invested in 2017 | 1.03  | 1.16                                      | 1.31  | 1.34   | 1.81  | 1.88  |  |  |  |  |



### **Equities – Developed Markets**

| Market Performance & Key Metrics |             |        |         |           |             |  |  |  |
|----------------------------------|-------------|--------|---------|-----------|-------------|--|--|--|
| Market                           | Market Cap. |        | Returns |           | P/E TTM     |  |  |  |
| iviai ket                        | (USD Bn.)   | Oct-22 | YTD     | 5 Yr CAGR | r/E i i ivi |  |  |  |
| MSCI World                       | 45,755      | 7.1%   | -21.2%  | 4.2%      | 16.3        |  |  |  |
| U.S.A.                           | 34,537      | 8.0%   | -18.8%  | 7.9%      | 19.9        |  |  |  |
| Japan                            | 4,808       | 5.1%   | -3.2%   | 1.5%      | 12.0        |  |  |  |
| Canada                           | 2,267       | 5.3%   | -8.5%   | 3.9%      | 12.6        |  |  |  |
| U.K                              | 2,232       | 2.9%   | -3.9%   | -0.6%     | 9.4         |  |  |  |
| France                           | 2,008       | 8.8%   | -12.4%  | 3.1%      | 10.2        |  |  |  |
| Germany                          | 1,372       | 9.4%   | -16.6%  | 0.4%      | 12.9        |  |  |  |

| Key US Stocks Performance & Key Metrics |             |        |         |           |           |  |  |  |
|---|-------------|--------|---------|-----------|-----------|--|--|--|
| Company                                 | Market Cap. |        | Returns | P/E TTM   |           |  |  |  |
| Company                                 | (USD Bn.)   | Oct-22 | YTD     | 5 Yr CAGR | F/E IIIVI |  |  |  |
| Facebook                                | 247         | -31.3% | -72.3%  | -12.1%    | 8.9       |  |  |  |
| Amazon                                  | 1,045       | -9.3%  | -38.6%  | 11.7%     | 94.5      |  |  |  |
| Apple                                   | 2,439       | 11.0%  | -13.6%  | 29.0%     | 25.1      |  |  |  |
| Netflix                                 | 130         | 24.0%  | -51.6%  | 9.2%      | 27.5      |  |  |  |
| Alphabet (Google)                       | 1,224       | -1.2%  | -34.8%  | 12.8%     | 19.4      |  |  |  |





### Fixed Income – GCC & Developed Markets

| Performance of Key 10-Year Bonds |         |                             |                             |  |  |  |  |  |  |
|----------------------------------|---------|-----------------------------|-----------------------------|--|--|--|--|--|--|
| Issuer, Maturity Year            | YTM (%) | Oct Price<br>Returns (in %) | YTD Price Returns<br>(in %) |  |  |  |  |  |  |
| Kuwait Sov, 2027                 | 4.7     | -0.6%                       | -12.4%                      |  |  |  |  |  |  |
| KSA Sov, 2029                    | 5.2     | -2.0%                       | -17.0%                      |  |  |  |  |  |  |
| Qatar Sov, 2029                  | 5.0     | -0.4%                       | -15.8%                      |  |  |  |  |  |  |
| Abu Dhabi Sov, 2029              | 4.8     | -0.4%                       | -17.0%                      |  |  |  |  |  |  |
| Aramco, 2031                     | 5.6     | -3.0%                       | -19.5%                      |  |  |  |  |  |  |

| 10Y Sovereign Yields |              |         |                     |        |  |  |  |  |
|----------------------|--------------|---------|---------------------|--------|--|--|--|--|
| Market               | YTM (%)      | Sp      | Spread over 10Y UST |        |  |  |  |  |
| Market               | 1 1 IVI (70) | Current | 1M ago              | 1Y ago |  |  |  |  |
| Saudi Arabia         | 5.16         | 108     | 95                  | 90     |  |  |  |  |
| Abu-Dhabi            | 4.80         | 72      | 91                  | 51     |  |  |  |  |
| Kuwait               | 4.67         | 59      | 74                  | 4      |  |  |  |  |
| Qatar                | 5.04         | 96      | 94                  | 75     |  |  |  |  |

| 5Y CDS Spreads |         |      |           |      |  |  |  |  |
|----------------|---------|------|-----------|------|--|--|--|--|
| Market         | Current | 2021 | 52 - Week |      |  |  |  |  |
| IVIAI NEC      | Current | 2021 | High      | Low  |  |  |  |  |
| Saudi Arabia   | 68.1    | 52.5 | 79.2      | 47.5 |  |  |  |  |
| Abu-Dhabi      | 59.1    | 44.6 | 71.1      | 44.5 |  |  |  |  |
| Dubai          | 119.9   | 92.1 | 141.7     | 92.1 |  |  |  |  |
| Kuwait         | 51.0    | 44.9 | 66.9      | 38.9 |  |  |  |  |
| Qatar          | 59.1    | 45.6 | 73.1      | 39.5 |  |  |  |  |

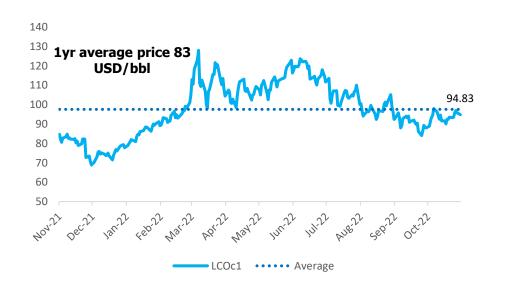
| 10Y Sovereign Yields |         |                     |        |        |  |
|----------------------|---------|---------------------|--------|--------|--|
| Market               | Current | Spread over 10Y UST |        |        |  |
|                      |         | Current             | 1M ago | 1Y ago |  |
| U.S.A                | 4.08    | =                   | -      | -      |  |
| UK                   | 3.53    | -55                 | 29     | -51    |  |
| Germany              | 2.15    | -193                | -170   | -168   |  |
| Japan                | 0.24    | -384                | -356   | -148   |  |
| Canada               | 3.25    | -83                 | -380   | 18     |  |
| France               | 2.69    | -139                | -108   | -130   |  |

| 5Y CDS Spreads |         |      |           |      |  |
|----------------|---------|------|-----------|------|--|
| 5Y CDS Spreads | Current | 2021 | 52 - Week |      |  |
|                | Current |      | High      | Low  |  |
| U.S.A          | 27.5    | 14.1 | 32.5      | 16.0 |  |
| UK             | 20.7    | 13.5 | 37.7      | 9.0  |  |
| Germany        | 26.3    | 10.5 | 27.5      | 10.9 |  |
| Japan          | 30.1    | 15.5 | 32.4      | 20.0 |  |
| Canada         | 38.6    | 39.8 | 38.6      | 38.3 |  |
| France         | 24.2    | 11.9 | 26.4      | 15.5 |  |

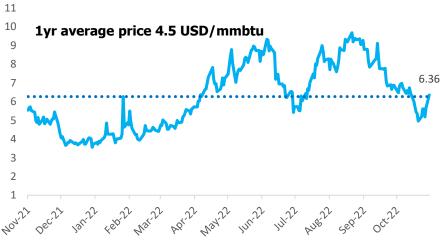
## il Market

|                     | Reti   | Returns |             | 52 Wk. High   | 52 Wk. Low |
|---------------------|--------|---------|-------------|---------------|------------|
|                     | Oct-22 | YTD     | Price Close | 32 WK. 111511 | 32 WK. LOW |
| Brent Crude         | 7.8%   | 21.9%   | 94.8        | 128.0         | 68.9       |
| Natural Gas (NYMEX) | -6.1%  | 70.4%   | 6.36        | 9.68          | 3.56       |

### Oil Price Chart (USD/bbl)



### **Natural Gas Price Chart (USD/mmbtu)**





# Cryptocurrencies

| Performance & Key Metrics |                        |                        |        |         |  |
|---------------------------|------------------------|------------------------|--------|---------|--|
| Cryptocurrency            | Current Price (in USD) | Market Cap (USD<br>Bn) |        | Returns |  |
|                           | USDJ                   | Dilj                   | Oct-22 | YTD     |  |
| Bitcoin                   | 20,417.0               | 395                    | 5.1%   | -55.9%  |  |
| Ethereum                  | 1,564.3                | 194                    | 17.5%  | -57.6%  |  |
| Tether                    | 1.0                    | 69                     | 0.0%   | 0.1%    |  |
| Ripple                    | 0.5                    | 23                     | -5.4%  | -44.9%  |  |
| Dogecoin                  | 0.1                    | 18                     | 106.0% | -25.4%  |  |
| Cardano                   | 0.4                    | 14                     | -6.2%  | -69.2%  |  |
| Bitcoin Cash              | 115.0                  | 2                      | -4.2%  | -73.3%  |  |

| Blockchain ETF Performance                        |          |         |        |  |  |
|---|----------|---------|--------|--|--|
| ETF Name  | AuM (USD | Returns |        |  |  |
| LTI Name  | Mn.)     | Oct-22  | YTD    |  |  |
| Amplify Transformational Data Sharing ETF         | 507      | 3.0%    | -53.0% |  |  |
| Invesco Elwood Global Blockchain UCITS ETF Acc    | 459      | -5.8%   | -40.3% |  |  |
| Siren Nasdaq NexGen Economy ETF                   | 106      | 0.9%    | -47.3% |  |  |
| First Trust Indxx Innovative Transactn & Proc ETF | 105      | 5.1%    | -26.7% |  |  |
| Bitwise Crypto Industry Innovators ETF            | 93       | -4.2%   | -70.8% |  |  |



### **Contact Us**

M.R. Raghu CFA, FRM

CEO

RMandagolathur@e-marmore.com

Karthik Ramesh

Director

KRamesh@e-marmore.com

Sankara Narayanan

AVP - Consulting and Advisory Services

SNarayanan@e-marmore.com

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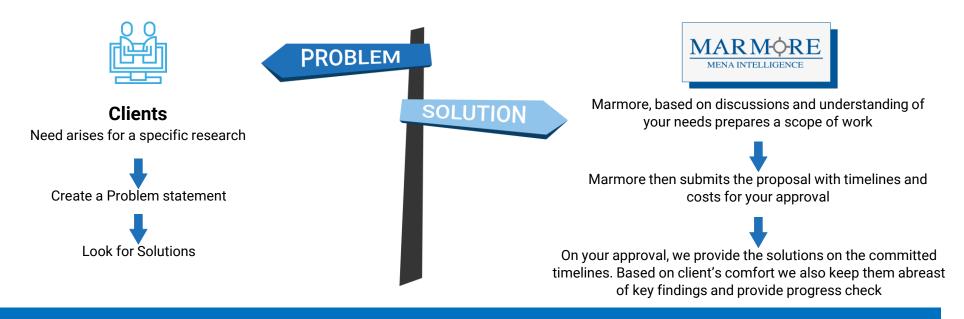
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#### Case 1:

**Problem:** A leading Venture Capital firm wanted to establish itself as a thought leader in the VC space in Saudi Arabia for which it needed a customized research on Venture Capital industry

Solution: Marmore prepared a very comprehensive report for the client and also supported in popularizing the report on Digital platforms

**Impact:** The client received very positive response for the report and would be engaging with Marmore for more reports subsequently

#### Case 2:

**Problem:** A leading Kuwaiti Bank, set up its economic research desk, for which it needed support for creating very insightful reports in the Economic domain.

**Solution**: Once the topic was finalized and approved by the client Marmore prepared a very insightful report in the committed timeline.

**Impact**: The report was very well received by stakeholders. Marmore's effort in the creation of the first report resulted in subsequent report awards by the client. Marmore got into a long term agreement with the client to provide research support on a continuous basis.



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