

Global Equity Observer

Information Technology: Winners and Losers

ACTIVE FUNDAMENTAL EQUITY | INTERNATIONAL EQUITY TEAM | INVESTMENT INSIGHT | MAY 2017

Over the last decade, the philosophy of our global equity strategies has remained unchanged, as has the pivotal role of Consumer Staples, which continues to be over half of the portfolio. Something that has evolved is the inclusion of Information Technology stocks in the pool of high-quality compounders that we invest in, with the portfolio weight going from zero ten years ago to close to 25% today. It may not be intuitively obvious that an industry so associated with radical change is a natural source of compounders, particularly when that industry is shifting so fast, not least with the Digital Revolution, also known as SMAC (Social, Mobile, Analytics and Cloud). However we would argue that these changes carry more threat for the profit pools in other industries, not least for the weaker parts of Media, Advertising Agencies and Retail, than for the highest-quality parts of the Information Technology industry itself.

In our view, the highest-quality part of Information Technology is within Software and IT Services rather than Hardware, which is more cyclical, has far higher capital intensity and is constantly threatened by commoditization. This has been aggravated further by the rise of public cloud providers, companies that are more efficient users of hardware, and which make their own machines, or at best exploit their massive buying power to procure those of others. In addition, companies historically in the switching and router business have to adjust as software erodes their relevance. In contrast to hardware, software is winning, even if you do not go as far as Marc Andreessen - founder of Netscape and co-author of Mosaic, the world's first internet browser - who claims it 'is eating the world.' The position of IT Services is more nuanced, split between the winners who are in the high-end business of helping corporates through their complex digital transitions, and losers who are finding their low-end outsourcing businesses commoditized or

AUTHORS



WILLIAM LOCK

*Head of International
Equity Team*



BRUNO PAULSON

Managing Director

“...the Digital Revolution...has the ability to create winners and losers depending on the speed and effectiveness of the adoption of new business models.”



even automated by Artificial Intelligence. A good example of this is a Dublin-based global management consulting and professional services company which is amongst the winners on the back of the strength of its Strategic Consulting business and its industry-leading program of investment in Digital.

As with any major change, the transition to the Cloud does carry risks for the incumbent software providers, given the arrival of new 'Cloud-native' competitors. Managements need to be prepared to invest in the change and potentially cannibalize elements of their existing businesses. Any shift forces their clients to rethink their provision, potentially hitting retention. The providers also face costs with the move, with a rise in capital intensity (server farms and data centres), the deferral of payment (as firms get a regular subscription rather than an up-front lump of cash on sale) and the need for the Cloud offerings to reach scale. As a result, margins have been under pressure at more traditional software companies over the last few years. The good news is that this process is now fairly well advanced, with consensus expecting both companies' margins to reach their trough over the next 12 months, with room to recover thereafter as their Cloud offerings continue to gain scale and bring with them the positive effects of increased operating leverage.

"Post the transition [to the Cloud], software businesses are more stable and predictable...making results less volatile and vulnerable to economic downturns."

Post the transition, software businesses are more stable and predictable, as one-off license revenues are replaced by subscription driven annuity streams, making results less volatile and less vulnerable to economic downturns. A German maker of enterprise software for managing business operations and customer relations aims to have 70-75% of its revenue recurring by 2020 as its Cloud businesses grow. In addition, there is the opportunity to grow faster, as it is far easier to 'upsell' clients in a Cloud environment than install the additional module machine by machine, as had to be done in the past. This is effectively demonstrated by a Washington State-based, market dominant technology company which is already seeing the benefits with its latest subscription offering, giving customers access to its well-known software plus other services, all via the Cloud. This is aside from the fact that the higher stickiness raises the NPV (net present value) of clients.

The other positive the Information Technology sector offers versus 2007 is valuation. It is one of the few sectors cheaper in absolute terms than a decade ago. The premium on forward earnings versus the MSCI World Index has fallen sharply from 34% to 14%, even with the pricey early stage companies included. Elements of the sector are performing extremely strongly, notably particular hardware and social media companies, along with a readily familiar Seattle-based e-commerce and Cloud computing company (in the Consumer Discretionary sector).

"...those companies that can deliver predictable growth and compound steadily, even if the environment deteriorates, are a valuable part of a portfolio."

We see the world as a very uncertain place at present, and do not see this reflected in valuations. The MSCI World Index is trading on 16.6 times the next 12 months' earnings, which includes an assumption of double-digit growth. Even tougher to justify is the VIX, a measure of S&P volatility, which at below 10 is near to all-time lows. In this world, where the potential for things to go wrong seems to be being ignored, or at least insufficiently weighted, those companies that can deliver predictable growth and compound steadily, even if the environment deteriorates, are a valuable part of a portfolio. Our belief is that the right kind of Information Technology companies, with the right management, are amongst the select group that tick these boxes.

IMPORTANT INFORMATION

This material is for Professional Client use only, except in the U.S. where the material is for public use.

The views and opinions are those of the author as of the date of publication and are subject to change at any time due to market or economic conditions and may not necessarily come to pass. Furthermore, the views will not be updated or otherwise revised to reflect information that subsequently becomes available or circumstances existing, or changes occurring, after the date of publication. The views expressed do not reflect the opinions of all portfolio managers at Morgan Stanley Investment Management (MSIM) or the views of the firm as a whole, and may not be reflected in all the strategies and products that the Firm offers.

Forecasts and/or estimates provided herein are subject to change and may not actually come to pass. Information regarding expected market returns and market outlooks is based on the research, analysis and opinions of the authors. These conclusions are speculative in nature, may not come to pass and are not intended to predict the future performance of any specific Morgan Stanley Investment Management product.

Certain information herein is based on data obtained from third-party sources believed to be reliable. However, we have not verified this information, and we make no representations whatsoever as to its accuracy or completeness.

All information, which is not impartial, is provided for informational and educational purposes only and should not be deemed as a recommendation. The information herein has not been based on a consideration of any individual investor circumstances and is not investment advice, nor should it be construed in any way as tax, accounting, legal or regulatory advice. To that end, investors should seek independent legal and financial advice, including advice as to tax consequences, before making any investment decision.

The **MSCI World Index** is a free float adjusted market capitalization weighted index that is designed to measure the global equity market performance of developed markets. The term "free float" represents the portion of shares outstanding that are deemed to be available for purchase in the public equity markets by investors. The performance of the Index is listed in U.S. dollars and assumes reinvestment of net dividends. The index is unmanaged and does not include any expenses, fees or sales charges. It is not possible to invest directly in an index.

RISK WARNINGS

There is no assurance that a portfolio will achieve its investment objective. Portfolios are subject to market risk, which is the possibility that the market value of securities owned by the portfolio will decline. Accordingly, you can lose money investing in this strategy. Please be aware that this strategy may be subject to certain additional risks. Changes in the worldwide economy, consumer spending, competition, demographics and consumer preferences, government regulation and economic conditions may adversely affect global franchise companies and may negatively impact the strategy to a greater extent than if the strategy's assets were invested in a wider variety of companies. In general, equity securities values also fluctuate in response to activities specific to a company. Investments in foreign markets entail special risks such as currency, political, economic, and market risks. Stocks of small-capitalization companies carry special risks, such as limited product lines, markets and financial resources, and greater market volatility than securities of larger, more established companies. The risks of investing in emerging market countries are greater than risks associated with investments in foreign developed markets. Non-diversified portfolios often invest in a more limited number of issuers. As such, changes in the financial condition or market value of a single issuer may cause greater volatility.

This communication is not a product of Morgan Stanley's Research Department and should not be regarded as a research recommendation. The information contained herein has not been prepared in accordance with legal requirements designed to promote the independence of investment research and is not subject to any prohibition on dealing ahead of the dissemination of investment research.

There is no guarantee that any investment strategy will work under all market conditions, and each investor should evaluate their ability to invest

for the long-term, especially during periods of downturn in the market. Prior to investing, investors should carefully review the strategy's/product's relevant offering document. There are important differences in how the strategy is carried out in each of the investment vehicles.

This communication is only intended for and will be only distributed to persons resident in jurisdictions where such distribution or availability would not be contrary to local laws or regulations.

U.S.

A separately managed account may not be suitable for all investors. Separate accounts managed according to the Strategy include a number of securities and will not necessarily track the performance of any index. Please consider the investment objectives, risks and fees of the Strategy carefully before investing. A minimum asset level is required. For important information about the investment manager, please refer to Form ADV Part 2.

Please consider the investment objectives, risks, charges and expenses of the funds carefully before investing. The prospectuses contain this and other information about the funds. To obtain a prospectus please download one at morganstanley.com/im or call 1-800-548-7786. Please read the prospectus carefully before investing.

Morgan Stanley Distribution, Inc. serves as the distributor for Morgan Stanley funds.

NOT FDIC INSURED | OFFER NO BANK GUARANTEE | MAY LOSE VALUE | NOT INSURED BY ANY FEDERAL GOVERNMENT AGENCY | NOT A DEPOSIT

EMEA

This communication was issued and approved in the United Kingdom by Morgan Stanley Investment Management Limited, 25 Cabot Square, Canary Wharf, London E14 4QA, authorised and regulated by the Financial Conduct Authority, for distribution to Professional Clients only and must not be relied upon or acted upon by Retail Clients (each as defined in the UK Financial Conduct Authority's rules).

Financial intermediaries are required to satisfy themselves that the information in this document is suitable for any person to whom they provide this document in view of that person's circumstances and purpose. MSIM shall not be liable for, and accepts no liability for, the use or misuse of this document by any such financial intermediary. If such a person considers an investment she/he should always ensure that she/he has satisfied herself/himself that she/he has been properly advised by that financial intermediary about the suitability of an investment.

Hong Kong

This document has been issued by Morgan Stanley Asia Limited for use in Hong Kong and shall only be made available to "professional investors" as defined under the Securities and Futures Ordinance of Hong Kong (Cap 571). The contents of this document have not been reviewed nor approved by any regulatory authority including the Securities and Futures Commission in Hong Kong. Accordingly, save where an exemption is available under the relevant law, this document shall not be issued, circulated, distributed, directed at, or made available to, the public in Hong Kong.

Singapore

This document should not be considered to be the subject of an invitation for subscription or purchase, whether directly or indirectly, to the public or any member of the public in Singapore other than (i) to an institutional investor under section 304 of the Securities and Futures Act, Chapter 289 of Singapore ("SFA"), (ii) to a "relevant person" (which includes an accredited investor) pursuant to section 305 of the SFA, and such distribution is in accordance with the conditions specified in section 305 of the SFA; or (iii) otherwise pursuant to, and in accordance with the conditions of, any other applicable provision of the SFA. In particular, for investment funds that are not authorized or recognized by the MAS, units in such funds are not allowed to be offered to the retail public; any written material issued to persons as aforementioned in connection with an offer is not a prospectus as defined in the SFA and, accordingly, statutory liability under the SFA in relation to the content of prospectuses does not apply, and investors should consider carefully whether the investment is suitable for them.

Australia

This publication is disseminated in Australia by Morgan Stanley Investment Management (Australia) Pty Limited ACN: 12204-0037, AFSL No. 314182, which accept responsibility for its contents. This publication, and any access to it, is intended only for "wholesale clients" within the meaning of the Australian Corporations Act.

Morgan Stanley Investment Management is the asset management division of Morgan Stanley.

All information contained herein is proprietary and is protected under copyright law.