

PAR SYNDICATE EIS FUND

Par Fund Management Limited

	Positives	Issues
Why Invest	<ul style="list-style-type: none"> ▶ Strategy: Exposure to a small portfolio of technology companies co-investing with Business Angels. 	<ul style="list-style-type: none"> ▶ Track record: Only a small number of exits to date, mostly predating the EIS fund, but the results so far look promising.
The Investment Manager	<ul style="list-style-type: none"> ▶ Team: Diverse range of experience in team, with clear strategy and good support from its Angel network. 	<ul style="list-style-type: none"> ▶ Company size: The team is small, and this may act as a slight constraint, although it has recently expanded and has plans to recruit further.
Nuts & Bolts	<ul style="list-style-type: none"> ▶ Duration: The Fund is evergreen, with closings around financial year-end or when sufficient investments are made. ▶ Diversification: The manager expects to provide at least seven equal investments for each closing. ▶ Valuation: Usually changes at next financing or on write-down. 	
Specific Issues	<ul style="list-style-type: none"> ▶ Fees: Combination of direct fees and company charges. Four years of annual fees are deducted upfront. ▶ Performance fee: Charged at 20% on aggregate returns over 120% of subscription, but threshold increased by 40% if exit within three years. 	
Risks	<ul style="list-style-type: none"> ▶ Target returns: The benchmark average IRR of 15% (roughly doubling the gross investment in five years) suggests a medium- to high-risk investment strategy. ▶ Companies: Supplying risk capital to early-stage technology companies at the start of commercialisation. There will be a spread of company returns as the successful ones will do very well, but those who fail may do so completely. 	

	Adviser information	Contact details
Analyst	<ul style="list-style-type: none"> ▶ Scheme assets: £4.4m ▶ Scheme target: £10m ▶ EIS assets: £5.2m ▶ Total FUM: £74m ▶ Launch date: 2012 	<p>Partners: Paul Atkinson, Andrew Castell, Robert Higginson, Paul Munn</p> <p>Contact: Pauline Cassie +44 (0)131 556 0044 info@parequity.com</p>
Brian Moretta		
0207 194 7622		
bm@hardmanandco.com		

Table of contents

Factsheet	3
Fund aims	4
Summary of risk areas	4
Risk analysis/commentary	5
Investment process	6
Governance and monitoring.....	8
Track record.....	9
Fees.....	9
Investment manager	11
Appendix 1 – due diligence summary	12
Appendix 2 – example fee calculations	13
Disclaimer	15

Factsheet

Par Syndicate EIS Fund		
Product name	Par Syndicate EIS Fund	
Product manager	Par Fund Management Limited (Par Equity)	
Tax eligibility	EIS	
Target return	IRR of 15% p.a.	
Target income	None	
Type of product	Discretionary portfolio service	
Term	Evergreen	
Sectors	Technology	
Diversification:		
Number of companies	7-8	
(Expected) Gini coefficient	0.13-0.14	
Fees	Amount	Paid by
Initial fees:		
Initial charge	1.0% (incl. VAT)	Investor
Arrangement fee	5.0%	Investee company
Annual fees:		
Management charges	0.75% (incl. VAT)	Investor – 4 years deducted upfront
Monitoring fee	Larger of 1.25% of investment or £6,000 (£12,000 if Par Director)	Investee company
Exit fees:		
Performance fee	20%	Investor – aggregate proceeds over 120% of subscription
Dealing fee	Balance of any outstanding management fee, plus dealing fee of 0.35%	Investor
Advisor fee facilitation	Yes	
Advisor fee amounts	As agreed with investor	
HMRC Approved?	No	
Advance Assurance	Yes, for each investment	
Reporting	6-monthly (as of 31 March and 30 September)	
Minimum investment	£20,000	
Current funds raised	£4.4m	
Fundraising target	£10m in current financial year	
Closing date(s)	At least quarterly	
Expected exit method	Mostly trade sale	

Source: Par Equity, Hardman & Co Research

Fund aims

The Par Syndicate EIS Fund is a discretionary portfolio service, which will provide a portfolio of investments in unquoted technology companies. The manager highlights that it is providing genuine risk capital. The benchmark is an average annualised IRR of 15%, equivalent to doubling capital over a five-year period. Returns will be focused on capital gains, and investors are unlikely to receive any dividends. The Fund is evergreen.

Summary of risk areas

Note: There are generic risks from investing in EIS or unquoted companies, in addition to the specific ones commented on below. Comments on relative risk refer to other EIS investments and not to wider investments.

Investments

Portfolio risk

Each investment will be providing risk capital to an unquoted early-stage technology company. Par Equity aims to have at least seven companies in each portfolio, with roughly equal size positions. Although sector diversification is limited, stock-specific risk should dominate market risk.

The benchmark IRR of 15% p.a. suggests medium to high risk and seems appropriate for the strategy.

Sourcing and external oversight

Historically, Par Equity has made investments into six to seven new companies a year. It appears to have a good network, with a strong connection to the Angel investor community generally, and within Scottish institutions in particular. The target of at least six investments p.a. looks achievable. The Angels in the Par Syndicate co-invest and provide some due diligence input, which Par takes into account, alongside its own due diligence.

Ongoing support and monitoring

Support for investee companies comes through a combination of a member of the Par Syndicate being appointed to the board and support from invested members of the Advisory Panel. Both consist primarily of experienced Angel investors. Par Equity's investment team also maintains close contact with investee companies.

Exits

A growing track record shows that the expectation that most exits will be via trade sales is happening in practice. The return profile of individual investments is likely to be skewed, with successful investments probably giving very good returns, while those that do not will give little or nothing back. The Fund had its first exit in June 2016.

Manager

Team

The investment part of the Par Equity team consists of the four Directors, plus two additional team members, with another being recruited at the time of writing. The team brings an interesting mix of experiences. The additions to the team should bring some spare capacity and room for growth.

Track record

Since 2009, Par Equity has invested in 51 companies, with 14 exits. With three exits in 2018, including a superb return from ICS, the exits have produced an aggregate IRR of 26% and a 3.2x return on capital. The continued improvement in a broad spread of the more mature current investments suggests that the promise that Hardman & Co has noted before is materialising. The right track record seems to be arriving.

Regulation

Product

Advance Assurance is sought for each investment.

Manager

The manager of the Fund is Par Fund Management Limited. It is FCA registered (number 485668) with fund management permissions. Submissions to Companies House appear to be up to date.

Risk analysis/commentary

Overall, Par Equity gives the impression of being a well-run company with a credible investment process. The team brings a broad range of backgrounds with experiences in different areas. Those team members that we have met give the impression of being sober assessors of businesses, rather than technology evangelists. The age of the company does mean that the track record perhaps lacks a little depth, but this has been steadily improving, and overall results to date are good.

Investors do need to be aware that they will be investing risk capital into early-stage technology companies. The involvement of Business Angels, with experience of the appropriate area, provides an added degree of comfort, although Par's own diligence depends somewhat on these views too. The ongoing support of both Angels and Par Equity partners is also significant. With active recruitment in 2018 and continuing into 2019, any capacity constraints should be removed for now.

Diversification is an important consideration for any investor – while the companies that succeed are likely to produce exceedingly good returns, those who do not may return little. Diversification within the Fund is limited, although typical for products in this area. This EIS fund should be considered in the context of an investor's entire portfolio.

Investment process

Deeper dig into process

Par Equity looks to provide an EIS investor with a portfolio of technology investments. Although it has managed venture funds since 2010, it is primarily a manager of Business Angel investments, sourcing and managing deals for successful entrepreneurs who are looking to reinvest in new business. It currently has around 190 participants in the Par Syndicate, and they form a key part of its investment process.

The focus is on companies that are at the early stage of commercialisation of their technology. Companies need to be able to not just demonstrate that the technology works, but also that they have managed to earn some revenue from selling it. Par Equity is very aware that it is easy to get distracted by exciting technology that may not lead to a real business. That said, Par Equity is also clear that it is providing genuine risk capital to these companies.

Although the Par Equity team has a wide range of experience, it understands that it will never have detailed knowledge of all the technologies with which it is presented. This is the first area where the team's Angels get involved – Par Equity gets someone in its network to validate the technology it is looking at. This must include some defensible or unique aspect. The requirement is that the technology must bring an advantage in the marketplace, and this advantage should be defensible in some way.

Par Equity consequently restricts the technology areas that it will look at. The focus is on information technology and communications, clean energy and medical technologies. These are still reasonably broad categories, and previous investments have included e-commerce, social media, technical textiles and more. Par Equity specifically excludes armaments and biotechnology from its categories. The latter distinguishes it from some technology EIS and suggests that Par Equity may provide diversification benefits to investors with other EIS investments.

The quality of the management team also matters to Par Equity. The process implicitly tests the team, as, if it can sell the company to the Angel network, then this bodes well for its ability to sell its product to customers.

Sourcing deals

Par Equity gets potential deals from two main sources. Direct approaches are the most frequent but, as for many EIS managers, they are less likely to lead to an investment. Referrals from within its network are more likely to be of interest. As well as the Angels, it has a range of contacts among professional firms such as lawyers and accountants.

Par Equity has been investing in a new IT platform. This has several elements (see also *Governance and monitoring* below), one of which is a facility for companies to apply online for funding. This should lighten administration, by automatically presenting data in a systemised way. It will also help with sharing data with the Syndicate.

In geographical terms, Par Equity looks at companies within the UK, which allows it to continue to provide effective support after investing. Within the UK, it professes to be agnostic, although we note that its connections in Scotland appear to be a little stronger than elsewhere in the UK. It also observes that valuations outside London are often more reasonable than in the capital, which is likely to lead to a corresponding effect on the portfolio.

The current aim is to give EIS investors a portfolio of at least seven investments, although Par Equity believes it can increase that number in the future, and it is currently investing to grow its capacity. The recent run rate has been around six to seven new companies p.a. plus follow-on investments, so the portfolio target should be achievable.

Decision-making

In broad terms, Par Equity's decision-making process is similar to that of most mainstream EIS managers, although there are a couple of positive distinctions. Par Equity follows a four-step process.

The triage stage is a very quick internal review to weed out companies in the wrong area or at the wrong stage. This is followed by a preliminary assessment where the company, management and technology are assessed. This is usually the first stage at which the Par Equity investor network is involved.

The secondary assessment extends this to the wider market, looking at competition and the business model in more detail. It is at this stage that the company is valued. Valuations are generally based on a simple DCF model, which, in turn, is based on an expected rate of progress and comparable companies. Par Equity indicates that this is as much qualitative as quantitative – most investments are at the stage where any detailed model could only be highly speculative.

Par Equity operates a co-investment model, and will only invest if Angels in its network, or in a comparable network, are also investing. As these are experienced entrepreneurs, and often very well placed to understand the technology, this effectively provides an extra layer of diligence. They may be augmented by what Par Equity brands as "First Thursday", where companies can pitch to a large number of the syndicate members. At these events, the members can also network and hear speakers. We understand that this may be changed in order to separate the pitching from the other elements.

The final stage is the detailed due diligence. Par Equity is aware that this process can be expensive, but it uses the same panel of lawyers, accountants, etc., in order to keep it as straightforward as possible.

Historically, most companies that received investment had an initial valuation of £1m-£4m. As assets grow and companies mature, Par Equity is making bigger investment rounds, and there are companies with higher valuations. There is no set or typical percentage for the stake that Par Equity investors end up holding.

Often, Par Equity co-invests with other groups or companies, although sometimes they come in at later funding rounds. We note that, for investments in Scottish companies, the Scottish Investment Bank is often a co-investor. This is an arm of Scottish Enterprise, and, in practice, it tends to be more a supplier of capital than a source of expertise or additional diligence. This still gives more flexibility to Par Equity in terms of the size of deals it can carry out. It also gives Par Equity scope to expand, as it can invest more into its existing deal flow with a lower contribution from other parties.

Investors should be aware that, as the majority of companies are early-stage, it is unlikely that the first investment will see the company through to maturity. Further funding rounds may be dilutive, although Par Equity does try to ensure that they are done fairly and to allow existing investors to participate. The terms of the Fund now allow follow-on investments within it. These will be capped at 10% per company, rather than the 25% limit for new investments. The total proportion of follow-ons is capped at 20% of an investor's investment. Investors should note that, where a follow-on takes place within the EIS fund, those investing in the follow-on will be looking for a minimum three-year holding period from the date of their investment.

Exits

Exits are generally reliant on trade sales. The nature of these businesses is that the date of this has to be uncertain, and exits will often take longer than the minimum three-year period that EIS requires.

Governance and monitoring

Advance Assurance is sought from HMRC on all investments prior to completion.

All client assets, including shares and cash, are held by the Share Centre (FCA registered – no 146768), which is the Administrator for the Fund.

The Fund may invest in SEIS companies, but mostly sticks to EIS investments – Par Equity is generally looking for larger deals than SEIS can offer. Investments may be split between the Fund and other investors, depending on available funds.

The values of investments are reported to investors every six months (31 March and 30 September), along with a brief update on each company. Investments are most likely to be unquoted, and hence valuations will generally move at specific events. Positive revisions are most likely to happen when follow-on investments take place, when the latest price is used. Downward revisions are more at Par Equity's discretion, although we note that it has been proactive in doing so historically. For a typical investment, success is usually validated by a further need for capital, while failure tends to happen relatively quickly, as a company runs out of funding.

As indicated above, Par Equity has recently developed a new online platform. For an EIS investor, this has two functions of interest:

- ▶ The first is an administrative function, and is already active. This gives investors basic information on their holdings, such as number of shares and copies of relevant paperwork.
- ▶ The second is more ambitious, and will give investors access to more detailed information on their investee companies. This will allow investors to track progress of investments on a more continual basis. It should be noted that the intention is to have two levels of access, with more sensitive information being restricted to Par Equity staff only. While the functionality is mostly ready, there is a need to ensure that all the data are appropriately structured before going live with the second part.

Par Equity also runs regular investor meetings in Edinburgh, which it calls First Thursday. These usually have some investee companies giving brief presentations, and they allow investors to meet and get updates from management. This is an unusual format among EIS managers, which many investors will appreciate. It has also started to hold occasional meetings in London.

The Advisory Panel

Generally, Par Equity looks to have someone appointed to the board of investee companies. Usually, this will be someone from the Par Syndicate who has invested in the company, although, exceptionally, it may be a member of staff. His/her main role is to protect investor interests and be a relationship manager with the company.

A large part of ongoing support, however, comes from the Advisory Panel. This is a subgroup of the Angel network, which is willing to take a more active role in helping investee companies. Usually, this is in support of their equity investment – Par Equity is understandably wary of consultants looking to suck out fees from companies. As the investee companies develop, they will have different needs at different times – so the aim is to provide a flexible pool of expertise, rather than having too many specific board appointees.

We understand that, to date, the Panel has been run in a reasonably informal way, but it is currently being looked at in conjunction with the pitching events. The new IT system is intended to help with this.

Track record

The Fund has been in existence for just over five years, and had its first exit in June 2016. Par Equity has had exits from investments pre-dating its EIS funds, of which four were EIS-eligible. The investment process is essentially the same for the non-EIS investments, so we briefly examine Par Equity's entire record, as it has more substance.

To the end of 2018, Par Equity had made investments of £66m into 51 companies, of which 14 have led to exits. Three of these were in 2018. Over the 14 investments, two were not meaningful in a portfolio context (one buyback, one write-off). Five have given exits greater than the target multiple, with the other seven being written off.

The 2018 exits include one stunning exit, with an IRR of 135% and a multiple of 82x, and two write-offs, one of which was a relatively long-standing investment. The previous successful exits, although less spectacular, still produced IRRs of 30%-45%. In aggregate, the return on capital is 3.2x and the IRR 26% – both very good figures and well ahead of Par Equity's targets.

The remaining portfolio of 37 companies is showing a gain of 13.7% – an improvement from the figure one year ago of 3.7%. Of these, 21 companies show an uplift and 8 companies a loss. The write-downs on most of the latter are reasonably aggressive, with some residual values based on loan notes, rather than equity. The majority of the unchanged investments have been made in the last year.

The EIS fund has unrealised investments in 29 companies to date, worth £5.2m. The average unrealised gain on these is 22%. While this is slightly better than the overall portfolio, the difference is not significant enough to suggest that the EIS portfolio will perform differently from the overall portfolio. We note that, as older investments mature, the differences between the investments of each are shrinking.

For the last couple of years, Hardman & Co has seen Par Equity's track record as very promising, although lacking some maturity. There are increasing signs that this promise is coming through. While the return on the latest exit cannot be the expectation for all investments, the overall success rate and good IRRs for the others suggest that Par Equity is capable of producing a good performance. The improvement in a broad spread of the more mature current investments suggests that existing investors will see some further good returns in due course.

Fees

The fees for the Fund are set out in the table on page 3. Administrator fees are paid from Par Equity's charges, other than as noted.

Annual fees

Four years' worth of annual fees are deducted from the subscription at outset. The balance of any Management Charge is paid at the time of exit.

The initial deduction is therefore 4% for management fees (initial fee, plus four years of annual fees). The fees deducted at the outset are not eligible for EIS tax relief. The annual fee is charged from the account using quarterly deductions.

Exit fees

The performance fee has a threshold of 120% of the aggregate subscription. If an exit is achieved within three years, then the threshold is raised by 40% of the subscription applied to that investment. This is an unusual, and welcome, adjustment to make allowance for the loss of tax relief that would occur. The performance fee is based on the aggregate capital return over the investor subscription, and is charged after the other fees.

There is also a dealing fee of 0.35% payable to the administrator, plus any outstanding annual fee, as indicated above.

Investee company fees

Companies usually pay an arrangement fee of up to 5%. In addition, there is a monitoring fee of the larger of 1.25% of the investment, or £6,000 p.a., raised by £12,000 where a staff director is appointed (although, as noted under *Governance and monitoring*, this is pretty rare). Par Equity observes that the monitoring fees tend to be negotiated away over time. For an EIS investor, there is a dilutive benefit from these being charged to the company, rather than the Fund.

Fundraising targets

Par Equity's fundraising targets are soft, with an aim of raising £10m in the current financial year, but this is significantly higher than in previous years. Par Equity says it could cope with this level of inflows by taking higher proportions of investments and reducing co-investors' shares.

The minimum subscription is £20,000, with higher amounts in multiples of £1,000.

Investment manager

Par Fund Management Limited has been a source and manager of investments for Angel investors. As well as the £55.3m of venture capital assets attributable to the Syndicate and the EIS fund, there is another £18.7m in other asset classes. These include property investments and a forestry fund.

People

Paul Atkinson – Partner

Was the founder of Direct Resources, an IT recruitment business, which he sold in 1999, and Recruitment Scotland, which was sold in 2000. He remains the majority shareholder in Head Resourcing, although he stepped down from an executive role to start Par Equity. He is a serial Angel investor.

Andrew Castell – Partner

Started his career at Touche Ross in audit and then management consultancy. After several corporate advisory roles, he became Group Finance Director at Goshawk Insurance Holdings plc. He was also one of the architects of Insurance Capital Partners LP, an innovative underwriting fund.

Robert Higginson – Partner

Started as a programmer in 1980, and joined Reuters as the manager of real-time systems in 1986. Subsequently, he joined Telekurs AG, before moving to strategic roles at ABN AMRO and Royal Bank of Scotland. From 2002, he worked with various universities on start-up technology spin-outs.

Paul Munn – Partner

Brings a corporate management background, having worked with blue-chip companies in consumer goods, manufacturing and healthcare. He was Group Finance Director and then CEO at Dawson International (textiles), where he led a successful restructuring. Before joining Par Equity, he worked for Hermes Fund Managers on corporate governance.

Graeme McKinstry – Investment Manager

Is also a chartered accountant, with experience in corporate finance from working with Deloitte. A relatively recent recruit to Par Equity, he will focus on existing investments, including follow-on funding.

Aidan MacMillan – Investment Manager

A chartered accountant with a background in corporate finance and due diligence on private equity and corporate transactions, gained from working with Deloitte. Prior to this, he spent a short period at KPMG.

Pauline Cassie – Investor Relations Manager

Formerly with the private bank Adam & Co. She is another recent recruit, and will be looking after private clients and intermediaries.

The Investment Committee consists of the Partners, with the other team members in attendance. The team brings an interesting mix of experiences that contrast well those of some other EIS managers. The management acknowledges that, at times in the past, the small size of the team has been a constraint on growth. It has continued to add to its administration team, with a new Financial Controller having arrived in 2018, and intends to recruit on the investment side ahead of need.

Appendix 1 – due diligence summary

Summary of core due diligence questions		
Manager	Par Fund Management Limited	Validated by
Founded	2008	Hardman & Co
Type	Limited Company	Hardman & Co
Ownership	Par Equity LLP, which is 89%-owned by founders	Hardman & Co
FCA Registration	Yes – 485668	Hardman & Co
Solvency	Confirmed	Hardman & Co
EISA member	Yes	Hardman & Co
Administrator		
Company	Share Centre	Information Memorandum
FCA Registration	Yes – 146768	Hardman & Co
Fund Custodian		
Company	Share Centre	
FCA Registration	Yes – 146768	Hardman & Co

Source: Hardman & Co Research

The manager of the Fund is Par Fund Management Limited. It is FCA registered with fund management permissions. The balance sheet is healthy for a small firm, particularly as it completed a fundraising in 2016. At the last accounts (31 March 2018), it had just under £390,000 of shareholders' funds. We note that the company has plans to grow, but clearly is not constrained by capital.

Par Fund Management Limited is wholly-owned by Par Equity Holdings Limited, which, in turn, is 89%-owned by Par Equity LLP. The four co-founders are partners in the latter, together with Malcolm MacPherson, Jim Kilcullen, Simon Best and Andy Ley. Malcolm MacPherson and Andy Ley are partners in HBJ Gateley, a law company that is one of the panel law firms used.

Appendix 2 – example fee calculations

This calculates the estimated total amount payable to the manager under certain assumptions.

Basic assumptions	
Term	5 years
Investor amount	£100,000
Company investment	£500,000
VAT on company fees is offset against revenue	

Source: Hardman & Co Research

Calculations		Hardman & Co standard			Target
Gross return Amount (pre-tax relief)		-50%	0%	50%	100%
		£100,000	£100,000	£100,000	£100,000
Initial fees	Rate				
Manager	1.00%	£1,000	£1,000	£1,000	£1,000
Company	5.00%	£4,800	£4,800	£4,800	£4,800
Total		£5,800	£5,800	£5,800	£5,800
Annual fees					
Manager	0.75%	£750	£750	£750	£750
Deduction upfront (4 years)		£3,000	£3,000	£3,000	£3,000
Net investment		£96,000	£96,000	£96,000	£96,000
Annual fees – from company					
Monitoring fee	1.25% pa	£6,000	£6,000	£6,000	£6,000
Gross fund after investment return		£48,000	£96,000	£144,000	£192,000
Exit fees					
Administrator	0.35%	£168	£336	£504	£672
Balance of annual fee (1 year)	0.75%	£750	£750	£750	£750
Performance	20%	£0	£0	£4,549	£14,116
Net amount to investor		£47,082	£94,914	£138,197	£176,462
Gain (pre-tax relief)		-£52,918	-£5,086	£38,197	£76,462
Gain (post-tax relief)		-£24,118	£23,714	£66,997	£105,262
Total fees to manager		£15,718	£15,886	£20,603	£30,338

Source: Hardman & Co Research

Notes: post-tax relief figures assume initial income tax relief only; other reliefs may be available to investors

Notes

Disclaimer

Hardman & Co provides professional independent research services and all information used in the publication of this report has been compiled from publicly available sources that are believed to be reliable. However, no guarantee, warranty or representation, express or implied, can be given by Hardman & Co as to the accuracy, adequacy or completeness of the information contained in this research and they are not responsible for any errors or omissions or results obtained from use of such information. Neither Hardman & Co, nor any affiliates, officers, directors or employees accept any liability or responsibility in respect of the information which is subject to change without notice and may only be correct at the stated date of their issue, except in the case of gross negligence, fraud or wilful misconduct. In no event will Hardman & Co, its affiliates or any such parties be liable to you for any direct, special, indirect, consequential, incidental damages or any other damages of any kind even if Hardman & Co has been advised of the possibility thereof.

This research has been prepared purely for information purposes, and nothing in this report should be construed as an offer, or the solicitation of an offer, to buy or sell any security, product, service or investment. The research reflects the objective views of the analyst(s) named on the front page and does not constitute investment advice. However, the companies or legal entities covered in this research may pay us a fixed fee in order for this research to be made available. A full list of companies or legal entities that have paid us for coverage within the past 12 months can be viewed at <http://www.hardmanandco.com/legals/research-disclosures>. Hardman may provide other investment banking services to the companies or legal entities mentioned in this report.

Hardman & Co has a personal dealing policy which restricts staff and consultants' dealing in shares, bonds or other related instruments of companies or legal entities which pay Hardman & Co for any services, including research. No Hardman & Co staff, consultants or officers are employed or engaged by the companies or legal entities covered by this document in any capacity other than through Hardman & Co.

Hardman & Co does not buy or sell shares, either for their own account or for other parties and neither do they undertake investment business. We may provide investment banking services to corporate clients. Hardman & Co does not make recommendations. Accordingly, they do not publish records of their past recommendations. Where a Fair Value price is given in a research note, such as a DCF or peer comparison, this is the theoretical result of a study of a range of possible outcomes, and not a forecast of a likely share price. Hardman & Co may publish further notes on these securities, companies and legal entities but has no scheduled commitment and may cease to follow these securities, companies and legal entities without notice.

The information provided in this document is not intended for distribution to, or use by, any person or entity in any jurisdiction or country where such distribution or use would be contrary to law or regulation or which would subject Hardman & Co or its affiliates to any registration requirement within such jurisdiction or country.

Some or all alternative investments may not be suitable for certain investors. Investments in small and mid-cap corporations and foreign entities are speculative and involve a high degree of risk. An investor could lose all or a substantial amount of his or her investment. Investments may be leveraged and performance may be volatile; they may have high fees and expenses that reduce returns. Securities or legal entities mentioned in this document may not be suitable or appropriate for all investors. Where this document refers to a particular tax treatment, the tax treatment will depend on each investor's particular circumstances and may be subject to future change. Each investor's particular needs, investment objectives and financial situation were not taken into account in the preparation of this document and the material contained herein. Each investor must make his or her own independent decisions and obtain their own independent advice regarding any information, projects, securities, tax treatment or financial instruments mentioned herein. The fact that Hardman & Co has made available through this document various information constitutes neither a recommendation to enter into a particular transaction nor a representation that any financial instrument is suitable or appropriate for you. Each investor should consider whether an investment strategy of the purchase or sale of any product or security is appropriate for them in the light of their investment needs, objectives and financial circumstances.

This document constitutes a 'financial promotion' for the purposes of section 21 Financial Services and Markets Act 2000 (United Kingdom) ('FSMA') and accordingly has been approved by Capital Markets Strategy Ltd which is authorised and regulated by the Financial Conduct Authority (FCA).

No part of this document may be reproduced, stored in a retrieval system or transmitted in any form or by any means, mechanical, photocopying, recording or otherwise, without prior permission from Hardman & Co. By accepting this document, the recipient agrees to be bound by the limitations set out in this notice. This notice shall be governed and construed in accordance with English law. Hardman Research Ltd, trading as Hardman & Co, is an appointed representative of Capital Markets Strategy Ltd and is authorised and regulated by the FCA under registration number 600843. Hardman Research Ltd is registered at Companies House with number 8256259.

(Disclaimer Version 8 – Effective from August 2018)

[Our Click here to read our status under MiFID II \(Disclaimer Version 8 – Effective from August 2018 under MiFID II\)](#)



www.hardmanandco.com

35 New Broad Street
London
EC2M 1NH

+44(0)20 7194 7622

taxenhancedservices@hardmanandco.com