



FRONTIER IP GROUP PLC

Final Results presentation
Year to 30th June 2020

November 2020

www.frontierip.co.uk

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Who we are:



Frontier IP provides commercialisation services in return for equity. Our approach to creating value is underpinned by uniting science, finance and industry



Neil Crabb
Chief Executive Officer

- Over 20 years' experience of investing in unquoted technology companies.
- Co-founder and previously Chief Investment Officer of Sigma Capital Group plc



COVID-19 – opportunities as well as challenges



Strong Financial Results

- ✓ Fair value of portfolio increased by 47% to £19,444,000
- ✓ Profit before tax increased by 78% to £4,184,000
- ✓ Total revenue and other operating income increased by 49% to £6,377,000
- ✓ Basic earnings per share increased to 8.76p (+ 54%)



Placing to exploit opportunity

- ✓ Raised £2.3m in July and increased retail base
- ✓ Investment activity increasing
- ✓ Selective additions to the team



Portfolio delivering good progress

- ✓ Strong news flow
- ✓ Significant growth in value
- ✓ Several inflection points ahead

Our business model: Creating value by uniting science, industry and finance to build businesses based on outstanding research



Identify

Identifying and evaluating strong commercialisable IP generated by academics, universities and other partners

Incorporate

Taking material equity stakes in return for commercialisation services and proactive, hands-on support and investment

Scale

Driving industry engagement to prove technology works, can be scaled up, and meets the demands or needs of real-world customers

Funding

Funding for further development once milestones achieved

Distributing

Generating value through potential deferred earnings that crystallise on realisation

Opportunity: Under exploited research



Significant investment in university research spending, creates a large and stable source of opportunity that is not currently well exploited ...

Total UK University research spending £8.7 bn FY 18

Largely from Government

211,980 academic staff (2018)

in 164 Higher Education Institutes

Most are highly rated

15% of top journal papers globally

But not always replicable

25% replicable by industry

Universities under pressure to monetise their research;

Must demonstrate impact of research activities & need to maintain core funding

However, universities struggle to fully utilise research pool, to define those capable of validation and have limited industry networks

The ecosystem of potential industry partners is large...

About 6,000 companies globally turnover >\$1bn, according to McKinsey

Makes up 65 percent of global corporate pre-tax earnings

Industry invests £25 billion in UK on research FY 2018

They want the best ideas

...But they don't know where to look or whether it is worth engaging

Increasing opportunity to add value



DNA
Origami

Identifying Markets

ALUSID[®]
Sustainable Surfaces

Driving Scalability

PulsiV

Engaging partners



Research Grants



Equity Bridge Funding

celerum

Equity for Services

TVG

Fundraising

Portfolio: Strong growth potential in a diversified portfolio



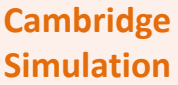
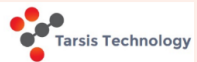
Increasing FIPP book value at 30 June 2020

Portfolio Company	Company Business	Industry Partners	FIPP Stake
 Exscientia	AI-based drug Company	 SANOFI Bristol Myers Squibb™	2.4%
	High efficiency power conversion and solar power generation	 BOSCH	18.9%
	Herpes Virus based vaccines for the control of viral and bacterial diseases	Governmental 	17.0%
	Proteins to replace additives, fat and gluten in food	Associated British Foods  KERRY FOODS	20.1%
	Recycling industrial waste into building materials	Waste Suppliers  	35.6%
	Robotic harvesting and data collection technology for agricultural applications	 	26.7%
	Rapid Detection of water borne bacteria	Palintest 	12.6%
	Advanced whole document analysis and searching	UCAS 	43.5%
	Medical imaging using ultrafast graphene enabled lasers	Relationships under development	25.8%

Portfolio: Strong growth potential in a diversified portfolio



Increasing FIPP book value at 30 June 2020

Portfolio Company	Company Business	Industry Partners	FIPP Stake
	Near real-time automated logistics and resource planning	 Industry body	33.8%
	Graphene based photonics	Relationships under development	30.0%
	New classes of antibiotics		10.0%
	Analysis and modelling of porous materials	 Oil & Gas Major	15.0%
	Non-toxic solvents	Relationships under development	25.0%
	Software to model discontinuous processes	Relationships under development	33.8%
	Parkinson's disease monitoring	Relationships under development	33.0%
	Printable electronics	Not disclosed	31.6%
	Software tools to improve wastewater treatment	Relationships under development	29.0%
	Controlled delivery of agrochemicals	Leading crop protection group	18.0%

Portfolio: some companies to watch



Exscientia

- Many industrial collaborations, including Bristol Myers Squibb, Bayer, Sanofi, and Evotec
- \$60m Series C funding
- First AI-created drug to enter human clinical trials



- Collaboration with Devro, leading supplier of sausage casings and supplier to Kerry Foods
- Gluten free project with AB Mauri and Agrii, part of Origin Enterprises



- Industry collaboration with Bosch and major consumer goods maker
- £500,000 Future Funding round
- Equity funding round progressing
- Strong patent protection



- COVID-19 animal vaccine trials underway
- First commercial partner – Eco Animal Health Group plc
- Projects backed by UK, US and Chinese governments



- Scale up to mass production on industry standard equipment successfully piloted
- Current partners include Parkside, commercial arm of Topps Tiles

Portfolio: some companies to watch



Exscientia

- A world leader in AI-driven drug discovery
- Technology significantly improves pharmaceutical research and development productivity
- First AI-created drug to enter human clinical trials in partnership with Sumitomo Dainippon Pharma
- Using AI to discover potential COVID-19 treatments in partnership with UK-government funded Diamond Light Source and Scripps Research
- Other industrial collaborations include Bristol Myers Squibb, Bayer, Sanofi, Evotec, GT Apeiron and Rallybio
- More than £500 million existing and potential milestone payments
- Completed \$60 million Series C funding round this year
- Investors include Bristol Myers Squibb, Evotec, GT Healthcare Capital Partners and Novo Holdings
- Technology scaled: future valuation driven by achieving commercial milestones



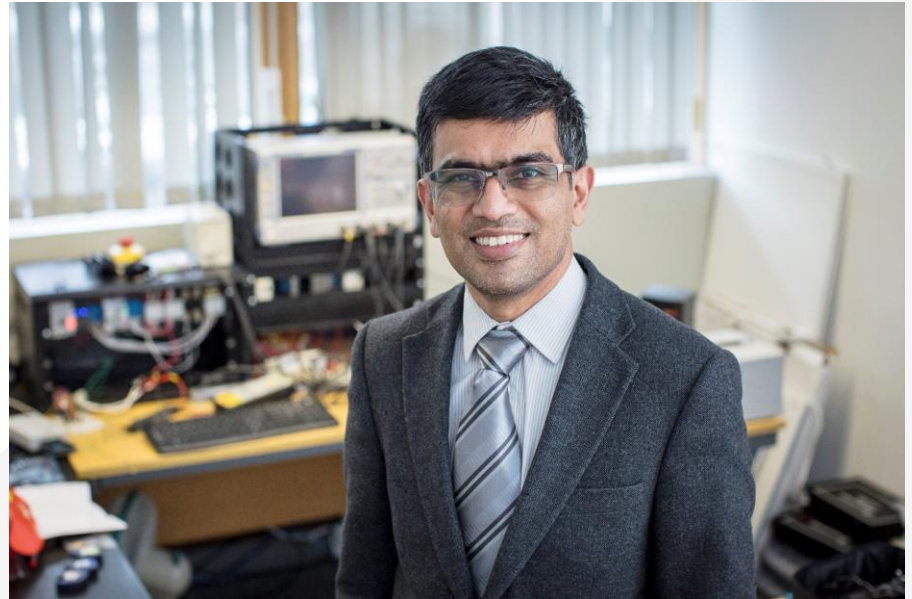
Exscientia chief executive Professor Andrew Hopkins

Portfolio: some companies to watch



Pulsiv

- Power conversion technology to improve the energy efficiency of solar micro inverters and host of everyday devices
- Industry collaboration with Bosch
- Started design work funded by major multinational to incorporate technology into new product line
- Engaged in discussions with other large companies about wide range of future industrial applications
- Raised £500,000 this year via UK government Future Fund scheme to step up development of technology
- Increased industrial engagement driven by successful demonstration products which show technology not only improves energy efficiency but has the potential to cut costs
- These include power tool battery charger, solar microinverter and LED driver
- Raised £500,000 earlier this year, including £250,000 from UK government Future Fund – equity fund raising in progress



Pulsiv Technical Director Zaki Ahmed

Portfolio: some companies to watch



- Process control technology to create new ingredients from natural plant and animal proteins to replace fat, chemical emulsifiers and gluten in food
- Industry collaboration with Devro, a leading supplier to the global sausage industry, including Kerry Foods
- Leading project with AB Mauri, food ingredients division of multinational AB Foods and Agrii, part of Origin Enterprises, to remove gluten from bread and baked foods
- Project backed by Coeliac UK and Innovate UK
- Raised £360,000 from UK government's Future Fund earlier this year as part of £720,000 convertible loan
- Technology on cusp of scale up – set to start industrial trials
- Potential opportunities in burgeoning markets for plant-based meats
- Interest high because of concerns about health and chemical additives



Nandi is working on ingredients to replace gluten in bread

Portfolio: some companies to watch



ALUSID
Sustainable Surfaces

- Premium quality tiles made from minimum 95% recycled industrial waste ceramics, glass and other materials
- Scale up: successful pilot completed earlier this year on industry-standard mass production tile making equipment
- Transforms production capacity from 4,000m² a year at current plant in Preston to 1,000m² a day
- Mass production to be subcontracted
- Opens up new market opportunities for the company amid growing interest in green products
- Existing relationship with Parkside Architectural Tiles, commercial arm of Topps Tiles plc, distribution agreement with Panaz
- Current customers include COS, part of H&M, Christian Dior, Harrods, Selfridges, Amazon UK, and Pret-a-Manger
- Raised £125,000 the UK government Future Fund as part of a £250,000 fund raising



Alsuid's first mass produced tiles following successful pilot project

Portfolio: some companies to watch



- Novel vaccine platform based on benign forms of herpesviruses. Vaccines initially for use in animals
- Targeting zoonoses and economically harmful diseases
- Vaccine candidates for SARS-Cov-2, the virus causing COVID-19 now in animal trials – others in development
- Other vaccines in development include those to tackle Ebola, Lassa fever, African Swine Fever, Streptococcus suis and bovine tuberculosis
- Company and its international partners have so far received more than £9 million in grant funding from the UK, US and Chinese governments
- First commercial partnership with Eco Animal Health to develop vaccine for porcine respiratory and reproductive syndrome virus
- Completed first equity funding round earlier this year, raising £680,000



Chief Scientific Officer Associate Professor Dr Michael Jarvis



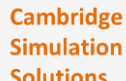
Technology validation and industry engagement is critical to add commercial value and business growth.

Vital part of our business model. One of the multinationals we are developing a close relationship with is Bosch. Here's Jenny Patten, Head of Business Development UK.



Our View: COVID-19 impact affects portfolio companies differently

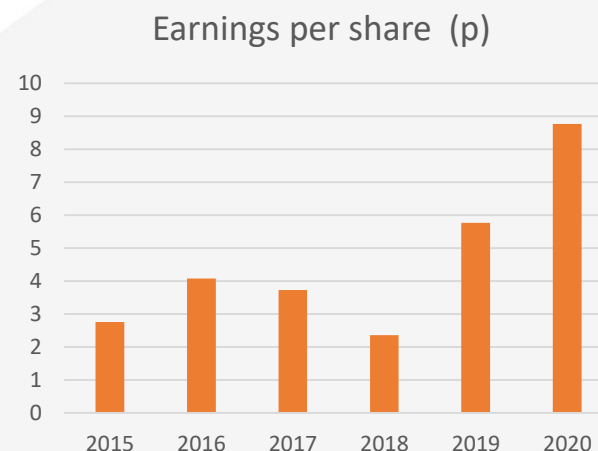


COVID-19 Impact	Direct opportunity	    	- Enhanced direct demand for product, services, capability - Increased grant availability and interest - Potential driver of immediate funding opportunity and equity value
	Infrastructure opportunity	  	- Enhanced indirect demand for product, services, capability - Grant funding & publicity opportunities - Potential driver of medium-term funding opportunity and equity value
	Neutral	      	- Minimal impact (positive or negative) on demand - Maintain focus on progress, ensure adequate funding in place - Exploit support mechanisms where possible
	Delay	   	- Short-term negative impact on demand - Minimise cash burn or utilise government support whilst demand recovers - Consolidate position for re-engagement - Cornerstone support with terms reflective of the current environment

Consolidated Statement of Comprehensive Income as at 30 June 2020



	2020 £'000	2019 £'000
Revenue		
Revenue from services	404	418
Other operating income		
Unrealised profit on the revaluation of investments	5,973	3,850
	6,377	4,268
Administrative expenses	(2,011)	(1,805)
Share based payments	(230)	(127)
Dividend income on financial assets at fair value through profit or loss	-	2
Other income	27	-
Profit from operations	4,163	2,338
Interest income on short term deposits	21	12
Profit from operations and before tax	4,184	2,350
Taxation	-	-
Profit and total comprehensive income attributable to the equity holders of the Company	4,184	2,350
Profit per share attributable to the equity holders of the Company:		
Basic earnings per share	8.76p	5.77p
Diluted earnings per share	8.41p	5.51p



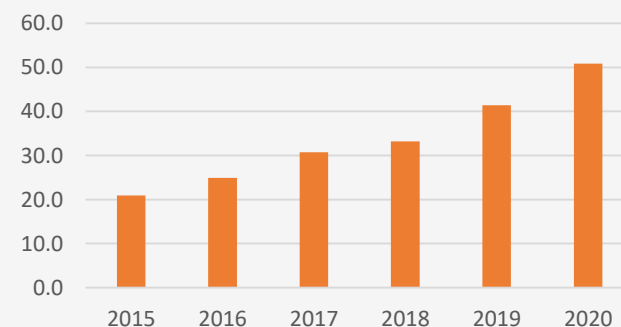
Consolidated Balance Sheet as at 30 June 2020



	2020 £'000	2019 £'000
Assets		
Non-current assets		
Tangible fixed assets	5	7
Goodwill	1,966	1,966
Equity investments	19,444	13,252
Debt investments	863	40
Trade receivables	-	114
	<u>22,278</u>	<u>15,379</u>
Current assets		
Debt investments	-	397
Trade receivables and other current assets	830	488
Cash and cash equivalents	2,968	1,466
	<u>3,798</u>	<u>2,351</u>
Total assets	<u>26,076</u>	<u>17,730</u>
Liabilities		
Current liabilities		
Trade and other payables	(210)	(139)
	<u>(210)</u>	<u>(139)</u>
Net assets	<u>25,866</u>	<u>17,591</u>
Equity		
Called up share capital	5,076	4,243
Share premium account	12,819	9,791
Reverse acquisition reserve	(1,667)	(1,667)
Share based payment reserve	477	293
Retained earnings	9,161	4,931
	<u>25,866</u>	<u>17,591</u>
Total equity	<u>25,866</u>	<u>17,591</u>

- Placing in December 2019 raised £3.8m (net of expenses)
- Further Placing in July 2020 raised £2.3m gross
- Founding portfolio company equity received at nominal value
- Potential for further equity through services or loan conversion
- Cash as at 30 June 2020 - £2.97m

Net Assets per share (p)



Our Approach





Cost of capital

- Target early stage technology
- Expertise in addressing scaling challenges
- Gauge market needs and demands
- **Specific approach for current market, focus on less affected partners**
- Guided by industry partners

1



Relationship with Innovators

- Partnership approach
- **Strong leadership, essential in current conditions**
- Interests aligned making for more conducive relationships with the academic community

2



Cluster approach

- Only engage in areas where we have domain expertise
- Interested in core technologies with wide reaching application across different sectors
- **Reviewed against COVID-19 framework as well as clusters**

3



Industry Engagement

- Capital light approach
- Material equity stakes acquired in return for non-financial hands-on support
- **Ability to provide bridge finance or lead investment underpinning value of current holding but priced to reflect current market**

4



Portfolio valuation

- External funding raised on milestones or validation
- Fair value represents a lagging indicator of work performed
- **Starting valuations are nominal**
- **Skew towards COVID-19 opportunities**

5



Use of realisations

- Exits anticipated to be earnings accretive
- **Deferral of realisations but current pricing opportunity**
- Return of capital envisaged by potentially utilising buybacks or declaring special dividends

6

Key Points.....



Strong financial results - Basic **earnings per share** increased to 8.76p (2019: 5.77p)

Continuing to generate strong newsflow and results reflective of **portfolio progress**. See the recent newsletter for details.

Several companies approaching **inflection** points: Pulsiv Solar, Fieldwork Robotics, Elute, Exscientia, The Vaccine Group. Second wave progressing: Nandi, Alusid, Camgraphic, CRIL. Progress on each of these has been made since the year end

Recent placings provided **balance sheet strength** delivering firepower through additional investment in the Group and enabling increased capacity for bridge financing and direct investment in portfolio companies

Well positioned despite the possible virus-related market and political headwinds and confident that the year to come will build on the success we have enjoyed over the previous years



QUESTIONS AND ANSWERS



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