BÉLL POTTER

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Cogstate (CGS)

Mind games

Recommendation

Hold (unchanged)
Price
\$1.41
Target (12 months)

\$1.60 (previously \$1.70)

GICS Sector

Healthcare Equipment and Services

Expected Return	
Capital growth	13.5%
Dividend yield	0.0%
Total expected return	13.5%
Company Data & Ratios	
Enterprise value	A\$203.9m
Market cap	A\$244.2m
Issued capital	173.2m
Free float	66.6%
Avg. daily val. (52wk)	\$472,712
12 month price range	\$1.14-\$2.46

Price Performance (1m) (3m) (12m) Price (A\$) 1.64 1.69 1.80 Absolute (%) -7.32 -10.06 -15.56 Rel market (%) -5.25 -8.63 -16.77



SOURCE: IRESS

FY23 Result

All figures in US\$m. Key financial results were largely ahead of guidance released in May 2023 and our previous forecasts. Revenue \$40.5m (10% decrease YoY, FY22 \$45.0m), EBITDA \$5.3m and NPAT \$3.6m. Significant decrease in contribution margin to 52.5% (FY22 59.3%) and profitability with EBITDA margin of 13.1% (FY22 28.9%) and EBIT margin of 6.7% (FY22 23.8%). FY23 performance has been impacted by clinical trial patient enrolment delays, higher staffing costs prior to the restructure in May 2023 and decrease in high margin licensing mix (historically ~ 17%-19%). Clinical Trials sales contracts of \$34.0m executed during FY23 were below recent years performance (FY20 \$46.0m, FY21 \$47.3m, FY22 \$82.5m). Future contracted backlog decreased from \$139.1m at the end of FY22 to \$132.6m at the end of FY23. Net cash balance of \$27.8m as at 30 June 2023.

Alzheimer's Disease momentum

The company has indicated that momentum is starting to build following the significant developments with the first FDA traditional approval announced in July 2023 (lecanemab) with donanemab expected to follow later this year. The Cogstate customer base is already expanding with 3 new large pharma customers in FY24 and additional clinical trial engagement expected from the current network. Clinical trial enrolment delays experienced during FY23 have been resolved and these revenues are now expected to be recognised over FY24/25. Launch of *Cognigram* within the US market is targeted by late CY23 or early CY24 to support the commercialisation of new therapies (lecanemab/donanemab).

Investment View: Hold, Price Target \$1.60

We maintain our Hold recommendation with price target of \$1.60. Whilst we recognise that Cogstate is well positioned to capitalise on momentum in the Alzheimer's Disease sector, we have downgraded revenue/earnings across FY24/25/26. This takes into account further potential patient enrolment delays and macroeconomic headwinds with respect to the availability of capital for R&D amongst biotech companies.

Earnings Forecast				
June Year End US\$m	FY23a	FY24e	FY25e	FY26e
Revenues	40.5	43.7	57.6	62.5
EBITDA \$m	4.8	10.5	14.6	17.3
EBIT \$m	2.4	8.0	12.2	14.9
NPAT \$m	3.6	5.8	8.9	10.8
EPS (cps)	2.1	3.4	5.1	6.3
EPS growth %	-53%	63%	53%	22%
PER (x)	47.2	29.0	19.0	15.6
Price/FCF (x)	NM	14.2	18.3	15.1
EV/EBITDA (x)	45.0	19.3	13.3	11.7
Dividend (cps)	0.0	0.0	0.0	0.0
Franking	0.0	0.0	0.0	0.0
Yield %	0.0	0.0	0.0	0.0
ROE %	9%	13%	17%	17%

SOURCE: BELL POTTER SECURITIES ESTIMATES

FY23 Result & Commentary

FY23 Performance

	Res	sult vs PCP		Result vs	Forecast	
Year end 31 December	FY22	FY23	Change	FY23e	Variance	Comment
US\$m			-			
Total revenue	45.0	40.5	-10%	39.4	3%	Marginal beat vs. BPe
Clinical Trials	40.3	35.7	-11%	34.4	4%	In line with BPe
Healthcare	4.5	4.4	-1%	4.5	-1%	In line with BPe
Research	0.2	0.3	64%	0.5	-40%	Below BPe
Total expenses	-7.0	-15.9	126%	-15.8	0%	In line with BPe
Expenses as % of revenue	16%	39%	151%	40%	-2%	In line with expectations
EBITDA	7.3	5.3	-27%	4.3	23%	Above BPe. Cost restructuring and slight beat at revenue
Depreciation & Amortisation	-1.1	-2.6	130%	-2.7	-3%	In line with BPe
EBIT	6.1	2.7	-56%	1.6	65%	Above BPe. Cost restructuring and slight beat at revenue
Net interest expense	0.0	0.7	-2316%	0.0	NM	Net interest expense above BPe
Profit before tax	6.1	3.0	-51%	1.6	85%	Above BPe. Cost restructuring and slight beat at revenue
Income tax expense	2.0	0.5	-73%	-0.5	-221%	Income tax benefit recognised in FY23
NPAT	4.1	3.6	-13%	1.2	201%	Above BPe. Cost restructuring and slight beat at revenue
EBITDA margin	16.1%	13.1%	-19%	11.0%	19%	Significant margin compression due to high staff costs with revenue impacted
EBIT margin	13.6%	6.7%	-51%	4.2%	60%	Significant margin compression due to high staff costs with revenue impacted

SOURCE: COMPANY DATA AND BELL POTTER SECURITIES ESTIMATES

The key points from the FY23 result are:

- Revenue decrease driven by Clinical Trials segment. Patient enrolment delays and decreased contracts due to limited capital availability for R&D for biotech companies. Associated with macroeconomic environment.
- Stable Healthcare segment. No change in healthcare segment revenues with the minimum revenue recognition of ~\$4.4m.
- Impacted profitability due to high staff costs. The EBIT and EBITDA margin compression observed in FY23 with higher-than-expected staff costs along with decreased revenue.
- Restructuring charge of \$0.5m in FY23. Non-recurring charge for staff restructuring.
 Profitability is expected to improve in FY24 following this process with technological efficiencies implemented.

Clinical Trial Contract Execution

Clinical Trial contract signings are critical for the pipeline growth and have been the key growth driver over the past five years. With the significant investment into Alzheimer's Disease, Cogstate has been ideally positioned to support multiple clinical trials with established relationships with the majority of large pharmaceutical companies involved in this sector. Key points from the FY23 result are:

- FY23 contract signings of \$34.0m was weaker than preceding years (FY20 \$46.0m, FY21 \$47.3m, FY22 \$82.5m);
- Future contracted backlog decreased from \$139.1m at the end of FY22 to \$132.6m at the end of FY23;
- Request for Proposal volumes are reportedly returning to FY22 levels. With two
 potential therapies coming to market for Alzheimer's Disease, there is the potential for
 combination studies along with greater focus on other potential treatments; and
- There are 33 Phase I, 99 Phase II and 55 Phase III trials in Alzheimer's Disease and these numbers have continued to increase since CY20.

Earnings & Valuation

Earnings

Table 2 - Change in earnings FY24 to FY26											
	20	24		2025				2026			
	New	Old	% change	New	Old	% change	New	Old	% change		
Revenues	43.7	53.1	-18%	57.6	63.5	-9%	62.5	77.7	-20%		
EBITDA	10.5	12.4	-15%	14.6	15.8	-7%	17.3	20.9	-17%		
EBIT	8.0	9.3	-13%	12.2	12.5	-2%	14.9	17.4	-14%		
NPAT	5.8	6.7	-13%	8.9	9.0	-2%	10.8	12.6	-14%		
EPS	3.4	3.9	-13%	5.1	5.2	-1%	6.3	7.3	-14%		

SOURCE: BELL POTTER SECURITIES ESTIMATES

Based on the current contracted revenue run-off, the revenue backlog is \$31.9m for FY24, \$34.5m for FY25 and \$22.4m for FY26. Taking into account historical in-period additions, the macroeconomic environment, availability of capital for biotech companies and clinical trial trends we have downgraded revenues across FY24/25/26. We recognise the staff restructuring strategies implemented by Cogstate and expect this to translate to improved operating efficiencies over the short to medium term. It will be critical to monitor patient enrolment rates in Alzheimer's Disease trials over FY24, commencement of new studies and the progress of lecanemab & donanemab towards commercialisation. Whilst we expect *Cognigram* to be launched into the US market during FY24, we expect the minimum revenues from Eisai until there is further clarity regarding the payor pathway for this digital tool.

Valuation

Our blended valuation for Cogstate is generated from our DCF and EV/EBITDA methodology. There are no changes in underlying assumptions in our DCF (WACC 11.5%, TGR 3.0%) and we apply a flat 12.5x multiple to our FY24 EBITDA forecasts. There is a higher weighting to the DCF methodology as we believe this more effectively captures the longer term earnings potential of the company.

	Valuation	% Weighting	Valuation
Methodology			
DCF	\$1.71	70%	\$1.19
EV/EBITDA	\$1.34	30%	\$0.40
Total			\$1.60

Our price target for Cogstate is \$1.60 (from \$1.70) and we maintain our Hold recommendation.

Company Overview

Cogstate is a neuroscience technology company that provides computerised cognitive testing & consulting services for trials (Clinical trials segment) and assessment tools for evaluation of cognitive impairment in patients (Healthcare segment).

Utilisation of Cogstate test batteries in clinical trials has been driven by the rapidly expanding focus on potential Alzheimer's disease therapies. These tests have also been used to examine therapies for other neurodegenerative conditions, delirium and in brain health monitoring for contact sports.

The Healthcare strategy has been strengthened with the EISAI partnership (October 2020) who are currently marketing the cognitive testing tools in Japan (*Nou Know*) and Taiwan/Hong Kong (*CogMate*). This important commercial agreement provides Cogstate with US\$45m in guaranteed revenue over 11 years.

Investment thesis

Our investment thesis for Cogstate is based on:

- Industry disruption with early positioning in adoption curve: Majority of clinical trials are still utilising analogue/paper-based methods of cognitive assessment. There is a definite shift towards computerised assessments and CGS is one of the key players in this growing market especially within Alzheimer's Disease.
- Optimised for decentralised clinical trials: During the peak of SARS-CoV-2, the
 importance of remote consultations and research services became apparent. Cogstate
 tests allow clinical trial participants to complete assessments remotely with instructional
 inputs from trained raters. Rater training, central monitoring and data analytics are also
 performed by Cogstate.
- Validated technology with broad potential market: Significant validation with Cogstate assessments used in over 2,000 clinical studies. These batteries are available in ~ 100 languages and suitable for patients with ages 6 – 99. Over 2 million tests have been completed to date.
- Alzheimer's Disease remains at the centre stage: Represented 84.2% of clinical trial revenue in FY22. The FDA granted lecanemab traditional approval in July 2023 and a decision regarding donanemab is expected by the end of CY23.
- Existing relationships with multinational pharmaceutical companies: Cogstate is currently working with Eli-Lilly (largest customer), Biogen, AbbVie and Eisai. As trials progress from Phase 1 to 4, Cogstate is ideally positioned to capture these contracts.
- Wider application across multiple indications: Cognitive assessment plays an important role in multiple conditions. 79% of total clinical trials customers have been outside Alzheimer's Disease. Neurodegenerative conditions (chronic traumatic encephalopathy) and post-operative delirium are growing areas of interest.
- Healthcare agreement with EISAI strengthens portfolio: Key partnership which will allow greater expansion potential and provides guaranteed revenue. Initiatives in place within key regions including Japan, Taiwan, Hong Kong (NouKnow, CogMate).
- Integration into health assessment in contact sports. NRL, NBA, WNBA players all complete testing with Cogstate tools on league registration. This extensive utilisation validates the technology and increases awareness amongst clinicians and KOLs.

Key Risks

Product and technology risks

The Cogstate cognitive assessments have been validated through internal and external studies and reported in multiple peer-reviewed medical journals. However, failure of these tests due to technology or product issues could impact the performance and clinical utilisation in clinical trials moving forward.

Regulatory risks

Cognigram received FDA notification for 510k clearance in July 2017 as a digital cognitive assessment. Our forecasts for revenue growth assume there are no regulatory changes in terms of FDA approval.

Commercial strategy risks - Clinical Trials segment

Ongoing revenue growth will be based upon the ability of Cogstate to secure new clinical trials contracts and effectively roll-out the Healthcare business through the partnership with Eisai.

A key component of the clinical trials segment is Alzheimer's disease which represented 84.2% of total revenue in FY22. There is significant interest within this space and multiple therapies are currently being investigated. Failure to demonstrate therapeutic benefit may reduce the extensive funding allocation towards clinical trials and impact our forecasts for sustained growth. There is also customer concentration risk as Eli Lilly and Eisai represent $\sim 10\%$ of revenue.

Commercial strategy risks - Healthcare segment

There is a reliance upon Eisai to drive the commercial roll-out of the Cogstate technology. Recent initiatives include the strategic partnership with Polaris to integrate the Cogstate tests in the Raku-Raku smartphone and the launch of the *NouKnow* and *CogMate*.

Eisai is a much larger and more mature company with market capitalisation of US\$11.6b and multiple operating segments. Accordingly, the commercialisation of Cogstate technology may be a lower priority for Eisai. In the Eisai Consolidated Financial Report for FY21 (published 13/5/22), there is only one reference to Cogmate/NouKnow.

SARS-CoV-2 and clinical trial risks

Cogstate tests were designed for remote access which has allowed strong growth during SARS-CoV-2. However, a portion of clinical trials have been delayed or postponed due to pandemic restrictions. Emergence of another highly virulent strain may impact future clinical trials and needs to be taken into account.

Competitor risks

A key competitor within the Clinical Trials segment is Cambridge Cognition (LON:COG) who have developed CANTAB with 30 years data and application in over 2500 peer-reviewed papers. Cambridge Brain Sciences (CBS) provide an online tool for cognitive assessment and have a similar strategy with clinical trial and healthcare solutions.

Increasing validation, effective marketing strategies and superior design & trial integration of competing computerised cognitive assessments may threaten the Cogstate market share across clinical trials and the healthcare segments.

WIRB-Copernicus Group (WCG) is another important competitor that provides complete clinical trial solutions specifically within the field of neurology. Strategic acquisitions of VeraSci, MedAvante-ProPhase and Analgesic Solutions have consolidated their portfolio and ability to target the clinical trials market.

The eCOA (electronic Clinical Outcome Assessment) market is driving the shift towards decentralised clinical trials. This involves remote collection/collation of trial data from patients, physicians and allied health personnel. Cogstate has partnered with companies such as Clario who provide an eCOA platform. However, WCG-VeraSci is also active within this space with their eCOA and ePRO (Patient Reported Outcomes) platform services. The unique combination of cognitive assessment tools with rater training services differentiates the Cogstate portfolio. Important competitors include MedAvante (acquired by WCG) and Signant Health.

MedAvante have developed the Virgil Platform to provide rater qualification & certification, clinical data analytics and independent review of assessments. Similar to CGS, independent raters are available from their network of expert clinicians. The combined eCOA and rater services may provide a more integrated service than CGS and impact market penetration. Signant also has a well-developed eCOA platform and central rating services (rater training and central monitoring). SmartSignals cognitive assessments available which can be administered in ~ 25 minutes.

The computerised cognitive assessment landscape within the healthcare setting is highly saturated with competing tools including MemTrax, Lumosity, BrainCheck and Philips IntelliSpace. More effective marketing strategies and user-friendly interfaces for these technologies would impact the utilisation of Cogstate tools (Cognigram/Cogmate/NouKnow).

Intellectual property protection

There is no current patent protection for Cogstate technology. Previous US patents covering methods of psychological and cognitive function testing have expired.

Whilst it is possible for another company to design similar cognitive testing tools, the strength of Cogstate technology is within its long-standing validation, familiarity amongst clinical researchers and the key relationships with established pharmaceutical companies which it continues to leverage through ongoing operations.

Cogstate as at 23 August 2023

RecommendationHoldPrice\$1.41Target (12 months)\$1.60

	I summary

oogstate (AOX.OCO)						Share price:	\$1.41		Target price:		\$1.60
						No. of issued shares:	173.2m		Market cap:		\$244.2m
Profit & Loss (US\$m)						Valuation data					
Year end 30 Jun	2022a	2023e	2024e	2025e	2026e	Year end 30 Jun	2022a	2023e	2024e	2025e	2026e
Total revenue (excl. int.)	45.0	40.5	43.7	57.6	62.5	NPAT (US\$m)	7.5	3.6	5.8	8.9	10.8
Change	38%	-10%	8%	8%	32%	Diluted EPS (US\$ cps)	4.3	2.1	3.4	5.1	6.3
Cost of Sales	-18.7	-19.8	-18.6	-24.3	-26.0	Change		-53%	63%	53%	22%
Gross Profit	26.3	20.6	25.1	33.3	36.5	P/E ratio (x)	22.4	47.2	29.0	19.0	15.6
Gross Margin	58%	51%	57%	58%	58%	CFPS (US\$ cps)	3.6	-0.9	6.9	5.3	6.5
Total expenses (excl. D&A, int.)	-13.6	-15.9	-14.6	-18.6	-19.2	Price/FCF *	27.3	NM	14.2	18.3	15.1
EBITDA	12.7	4.8	10.5	14.6	17.3	DPS (cps)	0.0	0.0	0.0	0.0	0.0
Total D&A	-1.9	-2.4	-2.5	-2.4	-2.3	Yield	0%	0.0%	0.0%	0.0%	0.0%
EBIT	10.7	2.4	8.0	12.2	14.9	Franking	0%	0%	0%	0%	0%
Net finance income/(expenses)	0.0	-0.1	0.0	0.0	0.0	EV/Revenue	4.5	5.0	4.6	3.5	3.2
Pre-tax profit	10.7	3.0	8.0	12.2	14.9	EV/EBITDA (x)	16.9	45.0	19.3	13.3	11.7
Income tax expense	-3.2	0.5	-2.2	-3.4	-4.1	NTA per share (US\$ cps)	12.8	15.3	18.8	24.0	30.3
NPAT _	7.5	3.6	5.8	8.9	10.8	Price/NTA (x)*	7.6	6.3	5.2	4.1	3.2
Change	44%	-53%	63%	53%	22%	Desfermence notice					
Cash Flow (US\$m)						Performance ratios	2022a	2023e	20240	2025e	20260
Year end 30 Jun	2022a	2023e	2024e	2025e	2026e	Year end 30 Jun EBITDA margin	2022a 28%	2023e 12%	2024e 24%	2025e 25%	2026e 28%
EBITDA	2022a 12.7	2023e 4.8	2024e 10.5	2025e 14.6	2026e 17.3	EBIT margin	28% 24%	12% 6%	2 4% 18%	25% 21%	28% 24%
Change in working capital	-4.1	-7.3	2.9	-0.5	0.2	Return on assets	13%	7%	9%	12%	12%
Gross cash flow	9.1	1.7	13.4	14.1	17.5	Return on equity	23%	9%	13%	17%	17%
Finance costs	0.0	0.0	0.0	0.0	0.0	Payout ratio	0.0%	0.0%	0.0%	0.0%	0.0%
Net pass through	0.0	0.0	0.0	0.0	0.0	Effective tax rate	29.7%	-17.9%	27.5%	27.5%	27.5%
Income tax refunded/(paid)	0.0	0.0	0.7	-2.7	-4.1	Effective tax rate	23.1 70	17.570	21.070	27.070	27.070
Operating cash flow	9.7	0.7	14.1	11.4	13.4	Leverage ratios					
Non government grants received	0.0	0.0	0.0	0.0	0.0	Year end 30 Jun	2022a	2023e	2024e	2025e	2026e
Purchase of PPE	-0.4	-0.1	-0.1	-0.2	-0.2	Net debt/(cash)	-30.4	-28.6	-40.5	-49.7	-60.8
Capitalised software development costs	-3.1	-2.1	-2.1	-2.1	-2.1	Net debt/equity	NM	NM	NM	NM	NM
Draw-down/(repayment) of short term loans	0.0	0.0	0.0	0.0	0.0	Gearing	NM	NM	NM	NM	NM
Investing cash flow	-3.5	-1.7	-2.2	-2.2	-2.3	Net debt/EBITDA (x)	NM	NM	NM	NM	NM
Proceeds from issue of shares	1.4	0.2	0.0	0.0	0.0	Net interest cover (x)	NM	NM	NM	NM	NM
Proceeds from borrowings (US PPP loan)	0.0	-0.6	0.0	0.0	0.0	(,					
Principal portion of lease payments	-0.6	-0.5	0.0	0.0	0.0	Segmentals (US\$m)					
Transaction costs of issue of shares	0.0	0.0	0.0	0.0	0.0	Year end 30 Jun	2022a	2023e	2024e	2025e	2026e
Financing cash flow	0.8	-0.9	0.0	0.0	0.0	Clinical Trials	40.3	35.7	39.0	52.3	54.7
Net change in cash	7.0	-1.9	11.9	9.2	11.2	Healthcare	4.5	4.4	4.4	4.8	7.3
Cash at start of period	23.6	30.6	28.7	40.6	49.8	Research Consulting Services	0.2	0.3	0.4	0.5	0.6
Effect of exchange rate changes	0.0	0.0	0.0	0.0	3.0	Total revenue	45.0	40.5	43.7	57.6	62.5
Cash at end of period	30.6	28.7	40.6	49.8	60.9						
Delever Chart (UCCar)						Interims (US\$m)	1H23a	2H23a	41104-		
Balance Sheet (US\$m) Year end 30 Jun	2022a	2023e	2024e	2025e	2026e	Year end 30 Jun Revenue		2H23a 20.9	1H24e		
Cash and cash equivalents Trade and other receivables	20.0						19.5				
Trade and other receivables	30.6	28.7	40.6	49.8	60.9	Change		0.1			
Other current assets	8.1	28.7 7.5	40.6 8.7	49.8 11.5	60.9 12.5	Change Expenses	-8.0	0.1 -7.8			
Other current assets	8.1 3.3	28.7 7.5 2.6	40.6 8.7 2.6	49.8 11.5 2.6	60.9 12.5 2.6	Change Expenses Change	-8.0	0.1 -7.8 0.0			
Property, Plant and equipment	8.1 3.3 0.9	28.7 7.5 2.6 0.4	40.6 8.7 2.6 0.2	49.8 11.5 2.6 0.2	60.9 12.5 2.6 0.2	Change Expenses Change EBITDA (statutory)		0.1 - 7.8 0.0 3.8			
Property, Plant and equipment Intangibles	8.1 3.3 0.9 10.8	28.7 7.5 2.6 0.4 11.1	40.6 8.7 2.6 0.2 11.0	49.8 11.5 2.6 0.2 10.9	60.9 12.5 2.6 0.2 10.8	Change Expenses Change EBITDA (statutory) Change	-8.0 1.0	0.1 -7.8 0.0 3.8 3.0			
Property, Plant and equipment Intangibles Lease assets	8.1 3.3 0.9 10.8 1.1	28.7 7.5 2.6 0.4 11.1 0.2	40.6 8.7 2.6 0.2 11.0 0.2	49.8 11.5 2.6 0.2 10.9 0.2	60.9 12.5 2.6 0.2 10.8 0.2	Change Expenses Change EBITDA (statutory)	-8.0	0.1 - 7.8 0.0 3.8			
Property, Plant and equipment Intangibles Lease assets Deferred tax assets	8.1 3.3 0.9 10.8 1.1 3.7	28.7 7.5 2.6 0.4 11.1 0.2 3.6	40.6 8.7 2.6 0.2 11.0 0.2 0.7	49.8 11.5 2.6 0.2 10.9 0.2 0.0	60.9 12.5 2.6 0.2 10.8 0.2 0.0	Change Expenses Change EBITDA (statutory) Change	-8.0 1.0	0.1 -7.8 0.0 3.8 3.0			
Property, Plant and equipment Intangibles Lease assets Deferred tax assets Total assets	8.1 3.3 0.9 10.8 1.1 3.7	28.7 7.5 2.6 0.4 11.1 0.2 3.6	40.6 8.7 2.6 0.2 11.0 0.2 0.7	49.8 11.5 2.6 0.2 10.9 0.2 0.0	60.9 12.5 2.6 0.2 10.8 0.2 0.0	Change Expenses Change EBITDA (statutory) Change	-8.0 1.0	0.1 -7.8 0.0 3.8 3.0			
Property, Plant and equipment Intangibles Lease assets Deferred tax assets Total assets Trade and other payables	8.1 3.3 0.9 10.8 1.1 3.7 58.4 10.2	28.7 7.5 2.6 0.4 11.1 0.2 3.6 54.1 4.6	40.6 8.7 2.6 0.2 11.0 0.2 0.7 64.0	49.8 11.5 2.6 0.2 10.9 0.2 0.0 75.1 14.4	60.9 12.5 2.6 0.2 10.8 0.2 0.0 87.2	Change Expenses Change EBITDA (statutory) Change	-8.0 1.0	0.1 -7.8 0.0 3.8 3.0			
Property, Plant and equipment Intangibles Lease assets Deferred tax assets Total assets Trade and other payables Deferred revenue	8.1 3.3 0.9 10.8 1.1 3.7 58.4 10.2 4.6	28.7 7.5 2.6 0.4 11.1 0.2 3.6 54.1 4.6 5.0	40.6 8.7 2.6 0.2 11.0 0.2 0.7 64.0 10.9 5.0	49.8 11.5 2.6 0.2 10.9 0.2 0.0	60.9 12.5 2.6 0.2 10.8 0.2 0.0 87.2 15.6 5.0	Change Expenses Change EBITDA (statutory) Change	-8.0 1.0	0.1 -7.8 0.0 3.8 3.0			
Property, Plant and equipment Intangibles Lease assets Deferred tax assets Total assets Trade and other payables Deferred revenue Short-term borrowings	8.1 3.3 0.9 10.8 1.1 3.7 58.4 10.2 4.6 0.2	28.7 7.5 2.6 0.4 11.1 0.2 3.6 54.1 4.6 5.0 0.1	40.6 8.7 2.6 0.2 11.0 0.2 0.7 64.0 10.9 5.0 0.1	49.8 11.5 2.6 0.2 10.9 0.2 0.0 75.1 14.4 5.0 0.1	60.9 12.5 2.6 0.2 10.8 0.2 0.0 87.2 15.6 5.0 0.1	Change Expenses Change EBITDA (statutory) Change	-8.0 1.0	0.1 -7.8 0.0 3.8 3.0			
Property, Plant and equipment Intangibles Lease assets Deferred tax assets Total assets Trade and other payables Deferred revenue Short-term borrowings Provisions	8.1 3.3 0.9 10.8 1.1 3.7 58.4 10.2 4.6	28.7 7.5 2.6 0.4 11.1 0.2 3.6 54.1 4.6 5.0	40.6 8.7 2.6 0.2 11.0 0.2 0.7 64.0 10.9 5.0	49.8 11.5 2.6 0.2 10.9 0.2 0.0 75.1 14.4 5.0	60.9 12.5 2.6 0.2 10.8 0.2 0.0 87.2 15.6 5.0	Change Expenses Change EBITDA (statutory) Change	-8.0 1.0	0.1 -7.8 0.0 3.8 3.0			
Property, Plant and equipment Intangibles Lease assets Deferred tax assets Total assets Trade and other payables Deferred revenue Short-term borrowings	8.1 3.3 0.9 10.8 1.1 3.7 58.4 10.2 4.6 0.2 2.6	28.7 7.5 2.6 0.4 11.1 0.2 3.6 54.1 4.6 5.0 0.1 2.3	40.6 8.7 2.6 0.2 11.0 0.2 0.7 64.0 10.9 5.0 0.1 2.3	49.8 11.5 2.6 0.2 10.9 0.2 0.0 75.1 14.4 5.0 0.1 2.3	60.9 12.5 2.6 0.2 10.8 0.2 0.0 87.2 15.6 5.0 0.1 2.3	Change Expenses Change EBITDA (statutory) Change	-8.0 1.0	0.1 -7.8 0.0 3.8 3.0			
Property, Plant and equipment Intangibles Lease assets Deferred tax assets Total assets Trade and other payables Deferred revenue Short-term borrowings Provisions Lease liabilities (current)	8.1 3.3 0.9 10.8 1.1 3.7 58.4 10.2 4.6 0.2 2.6 0.6	28.7 7.5 2.6 0.4 11.1 0.2 3.6 54.1 4.6 5.0 0.1 2.3 0.2	40.6 8.7 2.6 0.2 11.0 0.2 0.7 64.0 10.9 5.0 0.1 2.3 0.2	49.8 11.5 2.6 0.2 10.9 0.2 0.0 75.1 14.4 5.0 0.1 2.3 0.2	60.9 12.5 2.6 0.2 10.8 0.2 0.0 87.2 15.6 5.0 0.1 2.3	Change Expenses Change EBITDA (statutory) Change	-8.0 1.0	0.1 -7.8 0.0 3.8 3.0			
Property, Plant and equipment Intangibles Lease assets Deferred tax assets Total assets Trade and other payables Deferred revenue Short-term borrowings Provisions Lease liabilities (current) Deferred revenue	8.1 3.3 0.9 10.8 1.1 3.7 58.4 10.2 4.6 0.2 2.6 0.6 6.1	28.7 7.5 2.6 0.4 11.1 0.2 3.6 54.1 4.6 5.0 0.1 2.3 0.2 3.5	40.6 8.7 2.6 0.2 11.0 0.2 0.7 64.0 10.9 5.0 0.1 2.3 0.2 1.2	49.8 11.5 2.6 0.2 10.9 0.2 0.0 75.1 14.4 5.0 0.1 2.3 0.2	60.9 12.5 2.6 0.2 10.8 0.2 0.0 87.2 15.6 5.0 0.1 2.3 0.2 0.0	Change Expenses Change EBITDA (statutory) Change	-8.0 1.0	0.1 -7.8 0.0 3.8 3.0			
Property, Plant and equipment Intangibles Lease assets Deferred tax assets Total assets Trade and other payables Deferred revenue Short-term borrowings Provisions Lease liabilities (current) Deferred revenue Lease liabilities (non-current)	8.1 3.3 0.9 10.8 1.1 3.7 58.4 10.2 4.6 0.2 2.6 0.6 6.1	28.7 7.5 2.6 0.4 11.1 0.2 3.6 54.1 4.6 5.0 0.1 2.3 0.2 3.5 0.0	40.6 8.7 2.6 0.2 11.0 0.2 0.7 64.0 10.9 5.0 0.1 2.3 0.2 1.2	49.8 11.5 2.6 0.2 10.9 0.2 0.0 75.1 14.4 5.0 0.1 2.3 0.2 0.0	60.9 12.5 2.6 0.2 10.8 0.2 0.0 87.2 15.6 5.0 0.1 2.3 0.2 0.0	Change Expenses Change EBITDA (statutory) Change	-8.0 1.0	0.1 -7.8 0.0 3.8 3.0			
Property, Plant and equipment Intangibles Lease assets Deferred tax assets Total assets Trade and other payables Deferred revenue Short-term borrowings Provisions Lease liabilities (current) Deferred revenue Lease liabilities (non-current) Deferred tax liabilities	8.1 3.3 0.9 10.8 1.1 3.7 58.4 10.2 4.6 0.2 2.6 0.6 6.1 0.6 0.6	28.7 7.5 2.6 0.4 11.1 0.2 3.6 54.1 4.6 5.0 0.1 2.3 0.2 3.5 0.0	40.6 8.7 2.6 0.2 11.0 0.2 0.7 64.0 10.9 5.0 0.1 2.3 0.2 1.2 0.0	49.8 11.5 2.6 0.2 10.9 0.2 0.0 75.1 14.4 5.0 0.1 2.3 0.2 0.0	60.9 12.5 2.6 0.2 10.8 0.2 0.0 87.2 15.6 5.0 0.1 2.3 0.2 0.0 0.0 0.7	Change Expenses Change EBITDA (statutory) Change	-8.0 1.0	0.1 -7.8 0.0 3.8 3.0			
Property, Plant and equipment Intangibles Lease assets Deferred tax assets Total assets Trade and other payables Deferred revenue Short-term borrowings Provisions Lease liabilities (current) Deferred revenue Lease liabilities (non-current) Deferred tax liabilities Total liabilities Net Assets	8.1 3.3 0.9 10.8 1.1 3.7 58.4 10.2 4.6 0.2 2.6 0.6 6.1 0.6 0.6 25.5	28.7 7.5 2.6 0.4 11.1 0.2 2.6 54.1 4.6 5.0 0.1 2.3 0.2 3.5 0.0 0.7 16.4 37.7	40.6 8.7 2.6 0.2 11.0 0.2 0.7 64.0 10.9 5.0 0.1 2.3 0.2 1.2 0.7 20.5	49.8 11.5 2.6 0.2 10.9 0.2 0.0 75.1 14.4 5.0 0.1 2.3 0.2 0.0 0.7 22.7	60.9 12.5 2.6 0.2 10.8 0.2 0.0 87.2 15.6 5.0 0.1 2.3 0.2 0.0 0.7 24.0 63.2	Change Expenses Change EBITDA (statutory) Change	-8.0 1.0	0.1 -7.8 0.0 3.8 3.0			
Property, Plant and equipment Intangibles Lease assets Deferred tax assets Total assets Trade and other payables Deferred revenue Short-term borrowings Provisions Lease liabilities (current) Deferred revenue Lease liabilities (non-current) Deferred revenue Lease liabilities (non-current) Deferred tax itabilities Total liabilities Total liabilities Net Assets Share capital	8.1 3.3 0.9 10.8 1.1 3.7 58.4 10.2 4.6 0.2 2.6 6.1 0.6 6.1 0.6 5.5 32.9	28.7 7.5 2.6 0.4 11.1 0.2 3.6 54.1 4.6 5.0 0.1 2.3 0.2 3.5 0.0 0.7 16.4 37.7	40.6 8.7 2.6 0.2 11.0 0.2 0.7 64.0 10.9 5.0 0.1 2.3 0.2 1.2 0.0 7 20.5 43.5	49.8 11.5 2.6 0.2 10.9 0.2 2.0 75.1 14.4 5.0 0.1 2.3 0.2 0.0 0.7 75.2 36.3	60.9 12.5 2.6 0.2 10.8 0.2 0.0 87.2 15.6 5.0 0.1 2.3 0.2 0.0 0.7 24.0 63.2	Change Expenses Change EBITDA (statutory) Change	-8.0 1.0	0.1 -7.8 0.0 3.8 3.0			
Property, Plant and equipment Intangibles Lease assets Deferred tax assets Total assets Trade and other payables Deferred revenue Short-term borrowings Provisions Lease liabilities (current) Deferred revenue Lease liabilities (non-current) Deferred tax liabilities Total liabilities Net Assets Share capital Other reserves	8.1 3.3 0.9 10.8 1.1 3.7 58.4 10.2 4.6 0.2 2.6 0.6 0.6 0.6 0.6 25.5 32.9	28.7 7.5 2.6 0.4 11.1 0.2 3.6 54.1 4.6 5.0 0.1 2.3 0.2 3.5 0.0 0.7 16.4 37.7	40.6 8.7 2.6 0.2 11.0 0.2 0.7 64.0 10.9 5.0 0.1 2.3 0.2 1.2 0.0 0.7 7	49.8 11.5 2.6 0.2 10.9 0.2 0.0 75.1 14.4 5.0 0.1 2.3 0.2 0.0 0.0 0.7 52.7 52.4	60.9 12.5 2.6 0.2 10.8 0.2 10.0 87.2 15.6 5.0 0.1 2.3 0.2 0.0 0.7 24.0 63.2 36.3 1.5	Change Expenses Change EBITDA (statutory) Change	-8.0 1.0	0.1 -7.8 0.0 3.8 3.0			
Property, Plant and equipment Intangibles Lease assets Deferred tax assets Total assets Trade and other payables Deferred revenue Short-term borrowings Provisions Lease liabilities (current) Deferred revenue Lease liabilities (non-current) Deferred revenue Lease liabilities (non-current) Deferred tax itabilities Total liabilities Total liabilities Net Assets Share capital	8.1 3.3 0.9 10.8 1.1 3.7 58.4 10.2 4.6 0.2 2.6 6.1 0.6 6.1 0.6 5.5 32.9	28.7 7.5 2.6 0.4 11.1 0.2 3.6 54.1 4.6 5.0 0.1 2.3 0.2 3.5 0.0 0.7 16.4 37.7	40.6 8.7 2.6 0.2 11.0 0.2 0.7 64.0 10.9 5.0 0.1 2.3 0.2 1.2 0.0 7 20.5 43.5	49.8 11.5 2.6 0.2 10.9 0.2 2.0 75.1 14.4 5.0 0.1 2.3 0.2 0.0 0.7 75.2 36.3	60.9 12.5 2.6 0.2 10.8 0.2 0.0 87.2 15.6 5.0 0.1 2.3 0.2 0.0 0.7 24.0 63.2	Change Expenses Change EBITDA (statutory) Change	-8.0 1.0	0.1 -7.8 0.0 3.8 3.0			

Recommendation structure

Buy: Expect >15% total return on a 12 month view. For stocks regarded as 'Speculative' a return of >30% is expected.

Hold: Expect total return between -5% and 15% on a 12 month view

Sell: Expect <-5% total return on a 12 month view

Speculative Investments are either start-up enterprises with nil or only prospective operations or recently commenced operations with only forecast cash flows, or companies that have commenced operations or have been in operation for some time but have only forecast cash flows and/or a stressed balance sheet.

Such investments may carry an exceptionally high level of capital risk and volatility of returns.

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