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Altium



2022 Half Year Highlights

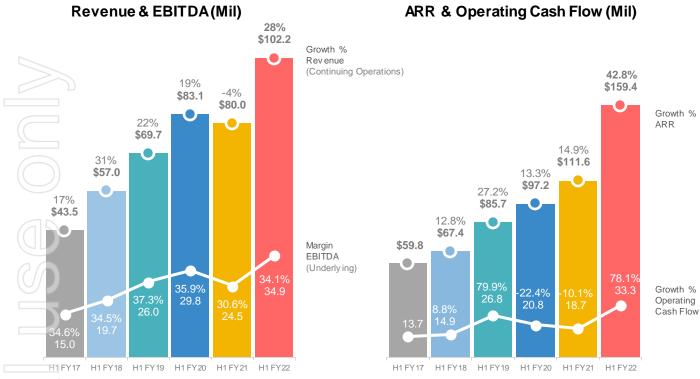
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- 2022 Half Year Financial Performance
- 3

Market Forces Driving Altium's Dominance & Transformative Agenda

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Appendix: Company Overview





Strong revenue growth of 28% in the first half

Underlying EBITDA margin of 34.1% up strongly from 30.6% first half last year

43% growth in Annual Recurring Revenue (ARR) for the first half

Strong growth of 78% in Operating Cash Flow

Pursuing Dominance and Transformation from a Position of Strength



Financial Performance

Altium is the fastest growing EDA company with 8 consecutive years of double-digit growth (prior to COVID) and expanding margins.

Market Dominance

Altium Designer is the most widespread professional PCB design tool used by over 100,000 engineers worldwide.

Cloud Adoption *

The world's first digital platform for design and realization of electronics hardw are gaining strong early adoption.

\$195.0m

\$22.9m PAT (Up 38%)

\$102.2m Revenue

4,375 Altium Designer New Seats Sold (Up 8%)

20 Major

9.918 Seats On-Cloud Subscription (Up 40%)

97% Renewal Rate on Cloud

34.1% Underlying EBITDA Margin (Up 11%)

Expense Capitalization

No R&D

A\$4.5B Market Cap

Total Dominance in China

55,978 Seats on Subscription (Up 7%)

API Calls

3,229 Accounts Fully Adopted Cloud (Up 38%)

\$33.3m Operating Cash Flow

19% 5 Year Revenue CAGR Over **30** Years of R&D

Direct

Presence

in Most

Markets

Altium Designer is Used by over 30,000 Companies

7.734 Active Accounts (Up 29%)

Early Launch of Altium 365 in China

Debt Free

74% **Recurring Revenue**

Growing **Ecosystem** Industry **Partners**

19,743 Active Users (Up 54%)



Strong Adoption of Altium 365

Commercial Accounts

Altium Commercial Accounts represent businesses and entities that have at least one commercial license of Altium software (Altium Designer 10 or later)

Licensed Seats

Altium Licensed Seats represent predominantly Altium Designer and Altium Designer SE licenses, but also include NEXUS clients

Registered Users

Altium Registered Users represent commercial designers, engineers and other professionals who have registered for access to Altium software and Altium 365 platform

Commercial / Professional Active	38.2K	94.8K	183.0K
	(Up 5.1%)	(Up 5.1%)	(Up 5.0%)
On Altium Designer	20.7K	56.2K	140.6K
Subscription	(Up 2.1%)	(Up 2.7%)	(Up 4.3%)
Altium 365	7.9K	26.9K	40.9K *
Exploratory Phase	(Up 22.8%)	(Up 10.0%)	(up 55.5%)
Altium 365 Adoption Phase	3.2K	9.9K	25.1K **
	(Up 40.4%)	(Up 37.8%)	(up 45.9%)

7,734 (Up 29%) Monthly Active Altium 365 Accounts 19,743 (Up 54%) Monthly Active Altium 365 Users

^{*} The total number of Registered Users from Accounts that are in Exploratory stage is 85.0K.

^{**} The total number of Registered Users from Accounts that are in Adoption stage is 33.3K.

Business Momentum Growing

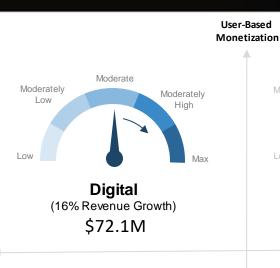
- Market demand returning
- Go-To-Market workforce being rebuilt
- Product development strong but steady

(Altium Designer software and maintenance)

> Software **Products**

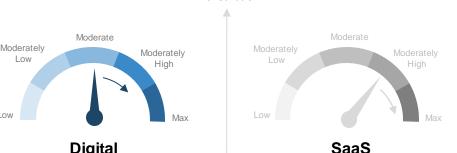
- Market demand moderately high
- Go-To-Market workforce scaling
- Product development continues to ramp

(Nexus and Concord Prosoftware and maintenance)



(16% Revenue Growth)

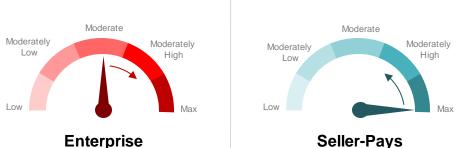
\$7.0M



(Adoption strong but no direct monetization yet)

(108% Revenue Growth)

\$22.2M



Enterprise Monetization

- Market under development
- Go-To-Market workforce under development

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Product development full strength with strong forward momentum

(Altium 365 cloud subscription)

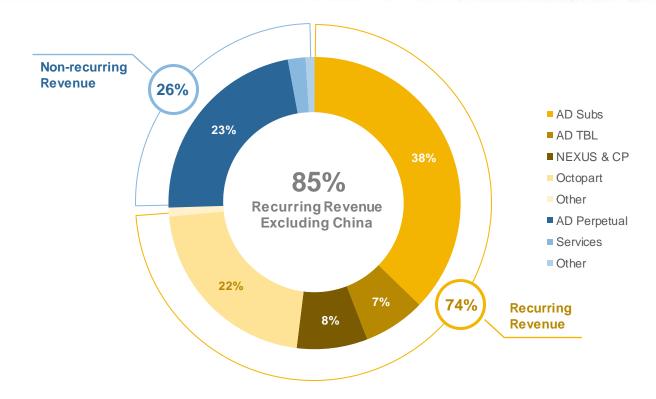
Cloud-Based Services

- Market demand all time high
- Go-To-Market workforce strong and growing
- Product development overhauled and powering up

(Octopart search and Nexar API)

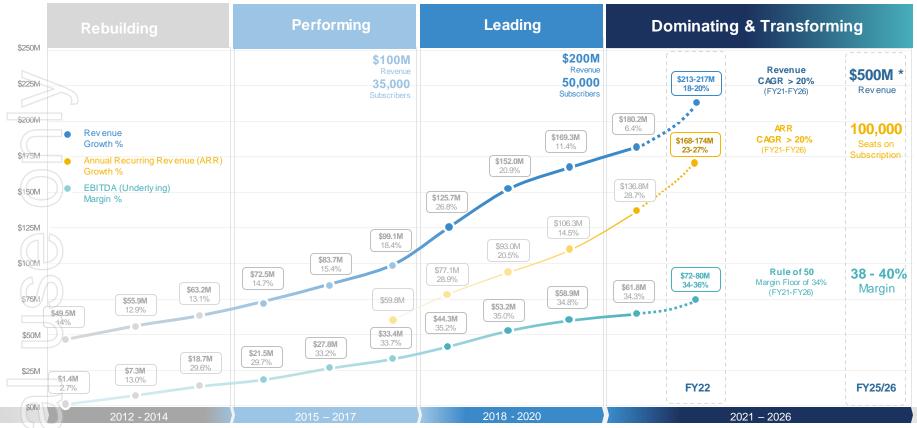
Smoother Than Expected Business Model Transition





Progressed from 60% to 74% recurring revenue in two years with a minimal and stable headwind of approx. \$2.6M per half. On target to reach 2025 goal of 80% (95% excluding China) well ahead of time

On-Track with Flight Path to \$500M



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Winning the War for Talent to Sustain High Growth

- Altıum.
- Altium's strategic pivot to the cloud during COVID through business model, organizational changes and non-core asset divestment has placed it in an exceptional position to take advantage of post-pandemic conditions and to attract top-level talent.
- To sustain high growth and take advantage of opportunities Altium must bring in new talent as it transitions beyond a software and product company to a cloud and platform company.
- Altium will aggressively scale enterprise sales and bring forward direct monetization of Altium
 365.
- Altium will use stock compensation as a greater proportion than cash compensation to be more competitive in the US market.
 - Altium will also search for key talent outside of the US in places where Altium's brand is strong, or favorable conditions exist (ie UK, Australia).
 - The margin impact of this is already included in Altium's flight path at 34-36% margin with expectations that it will climb to close to 40% by FY25/26.

Guidance and Long-Term Outlook

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- Altium has regained momentum and is benefiting from a smoother than expected business model transition
 - Altium is well-positioned to capitalize on post-pandemic market opportunities
- Confident of achieving the flight path for dominance of US\$500 million, 100,000 subscribers and 95% recurring revenue, ex-China
 - Altium upgrades its full year revenue guidance to be at the high end of the range, while margin is likely to be at the low end (or thereabouts) as the Company pursues new cloud and enterprise sales roles in an increasingly competitive talent market, particularly in the US:
 - Revenue between US\$213 million to US\$217 million (18-20% growth)
 - Underlying EBITDA margin of 34-36%
 - ARR growth of 23-27%



2022 Half Year Highlights



2022 Half Year Financial Performance



Market Forces Driving Altium's Dominance & Transformative Agenda

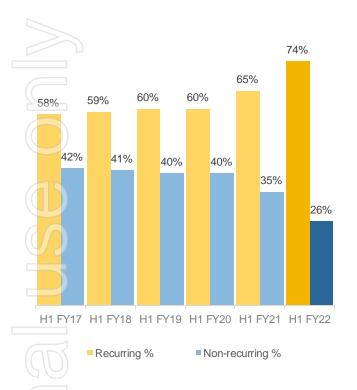


Appendix: Company Overview

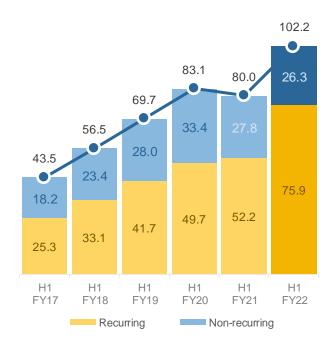
Consistent Recurring Revenue Growth



Recurring vs Non-recurring



Group Revenue (Mil)



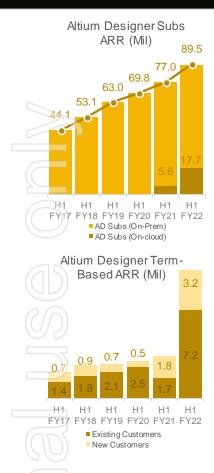
Recurring revenue of 74% up from 65% one year earlier, with strong growth in term-based license sales

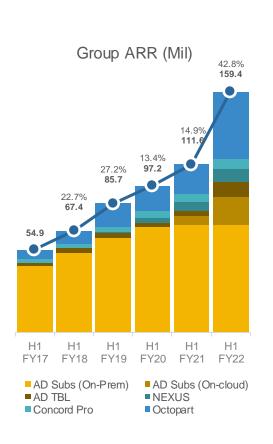
Strong growth in annual recurring revenue (ARR) of 43% for the first half

Altium subscription business has underpinned strong and reliable recurring revenue growth since the 2010s

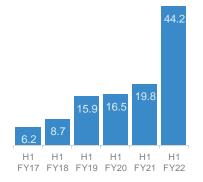
Altium is expected to reach 95% recurring revenue by 2025 (excluding China)

Annual Recurring Revenue (ARR)

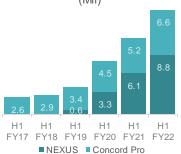




Octopart ARR (Mil)







Total ARR grew by a record 43% for the half driving overall recurring revenue to 74%

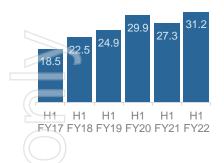
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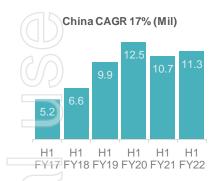
Octopart's ARR growth has been buoyed by chip shortages in the semiconductor industry driving up electronic components and parts search activity

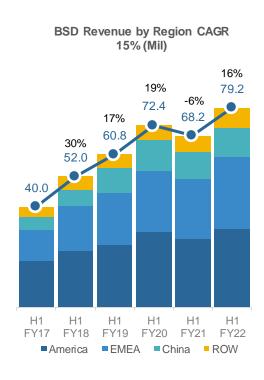
Board and Systems (BSD) Revenue by Region



America CAGR 11% (Mil)







EMEA CAGR 18% (Mil)





Strong growth in PCB revenue up by 16% for the half

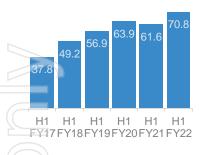
The US and EMEA both performed strongly in the first half (up 14% and 25% respectively) with record pricing levels and discounting under 10%

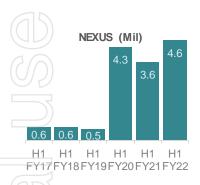
China under-performed for the half with 6% revenue growth as the temporary effects of COVID lockdowns were felt

Board and Systems (BSD) Revenue by Product

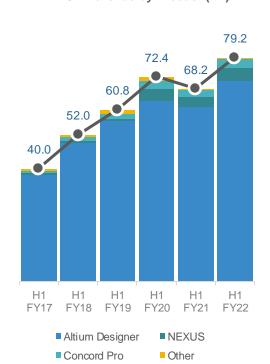


Altium Designer (Mil)

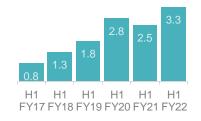




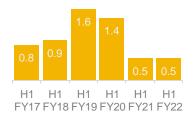
BSD Revenue by Product (Mil)



Concord Pro (Mil)



Other (CircuitStudio, SolidWorks PCB, PDN Analyzer) (Mil)

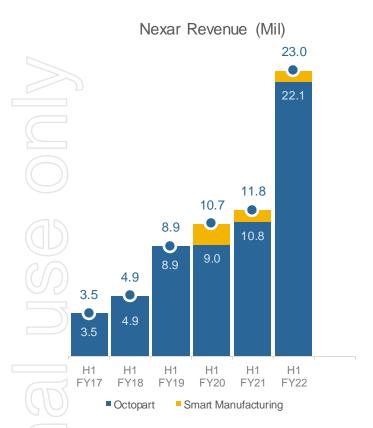


Revenue from Altium Designer continues to outperform growing by 15% for the half

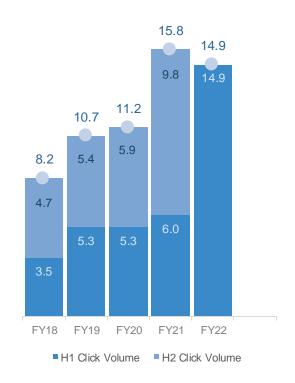
Revenue from NEXUS and Concord Pro continue to grow strongly

Altium design tools are becoming dominant in the PCB industry with PCB design revenue growing by 16% for the half

NEXAR Revenue by Product



Octopart Clicks (Mil)



Octopart's record revenue growth of 105% to \$22 million was buoyed by chip shortages in the semiconductor industry driving up electronic components and parts search activity

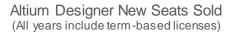
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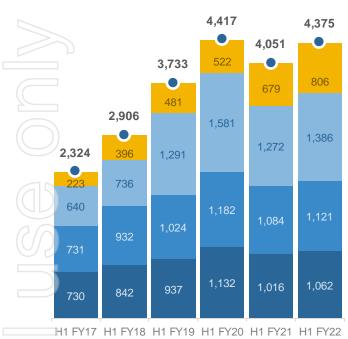
Offer Clicks were up by 148% for the half to close to 15 million (compared with the first half of fiscal 2021)

During the half, Octopart experienced 70% growth in weekly active users to almost 195,000 compared with the first half of fiscal 2021

Board and Systems (BSD) – Underlying Metrics

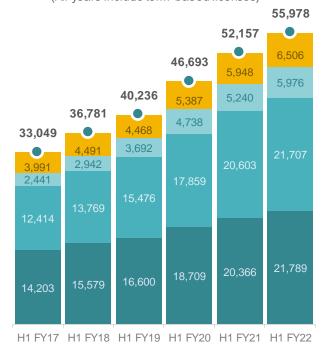






■ EMEA ■ China ■ Rest of World

Subscription Pool (All years include term-based licenses)



America

EMEA

China

Rest of World

Altium's subscriber pool grew by a solid 7% year on year to reach 55,978 representing 3% growth over the half

Term-based licenses grew by 132%. 30% of all new licenses sold in the half were term-based

Altium Designer new seats sold for the half were up by 8%

Growth in Subscription Pools

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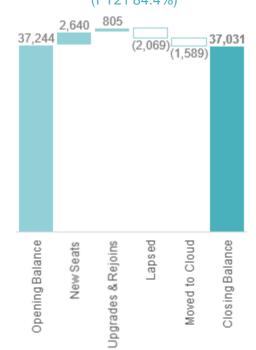
On-Cloud Subscription

(Fully Adopted Altium 365) 96.7% account renewal rate (FY21 98.8%)

1,827 8,890 (178)7,241 Lapsed Opening Balance Closing Balance

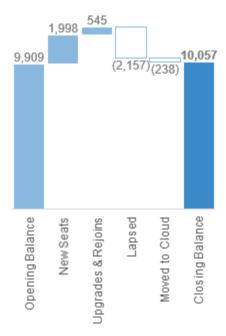
On-Prem Subscription

(Developed Countries) 87.0% renewal rate (FY21 84.4%)



On-Prem Subscription

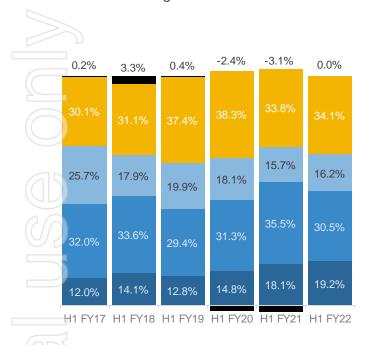
(Developing Countries) 46.8% renewal rate (FY21 40.8%)



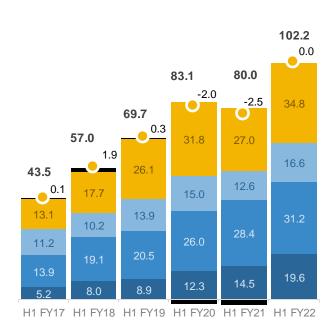
Operating Expenses

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Operating Expenses as Percentage of Revenue



Operating Expenses as a Breakdown of Revenue (Mil)



R&D

- R&D: increased headcount to support Cloud development + \$1M increase in AWS hosting fees for A365 infrastructure
- Sales: Additional \$0.8 million expense for Web advertising as Altium 365 adoption grows
- G&A: up on LTI expense; increased Audit and Tax compliance fees.
 Comparative H1-FY21 benefit of \$2.5 earnout foregone

Balance Sheet



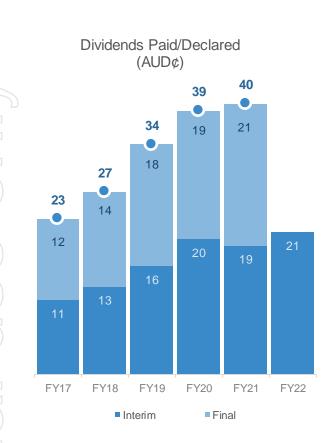
	Dec-21	Jun-21	Dec-20	Jun-20	
	US\$ '000	US\$ '000	US\$ '000	US\$ '000	
Current assets					
Cash and cash equivalents	195,019	191,541	88,495	93,083	
Trade and other receivables	51,031	66,117	58,022	59,655	
Other current assets	8,735	8,127	11,154	7,455	
Total current assets	254,785	265,785	157,671	160,193	
Non-current assets					
Trade and other receivables	1,460	1,512	3,919	3,343	
Investment	3,155	3,034	-	-	
Property, plant and equipment	12,986	16,185	20,026	21,113	
Intangible assets	45,631	47,179	48,664	49,690	
Other non-current assets	47,092	49,457	58,868	61,723	
Total non-current assets	110,324	117,367	131,477	135,869	
Total assets	365,109	383,152	289,148	296,062	
Current liabilities					
Trade and other payables	17,452	20,804	14,950	16,629	
Tax liabilities	13,526	27,493	758	6,587	
Provisions	2,806	3,061	2,970	2,792	
Lease liabilities	4,973	5,559	5,747	5,480	
Customer contract liabilities	51,062	52,431	51,957	50,193	
Total current liabilities	89,819	109,348	76,382	81,681	
Non-current liabilities					
Deferred Tax	4,183	4,547	8,236	8,820	
Provisions	379	373	298	2,755	
Customer contract liabilities	6,474	7,487	9,355	10,013	
Lease liabilities	3,706	5,493	7,670	8,453	
Other liabilities	-	4	6	7	
Total non-current liabilities	14,742	17,904	25,565	30,048	
Total liabilities	104,561	127,252	101,947	111,729	
Net assets	260,548	255,900	187,201	184,333	
Equity					
Contributed equity and reserves	151,903	149,841	149,211	147,702	
Accumulated profits	108,645	106,059	37,990	36,631	

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21

Cash Flow

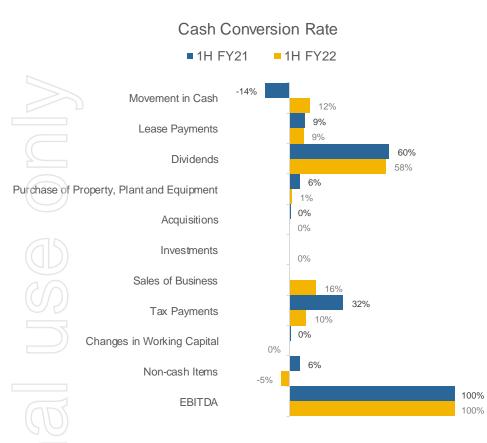




	H1 FY22 US\$ '000	H1 FY21 US\$ '000	H1 FY20 US\$ '000	H1 FY19 US\$ '000
Cash flows from Operating Activities				
Receipts from customers	108,526	91,132	95,325	81,601
Payments to suppliers and employees	(71,682)	(62,253)	(71,440)	(54,234)
Payments for expenses relating to acquisitions	-	-	-	-
Net interest received	127	107	592	279
Interest and other finance costs paid	(270)	(360)	-	-
Net income taxes paid	(3,416)	(9,921)	(3,686)	(831)
Operating cash flow	33,285	18,705	20,791	26,815
Capital Expenditure				
Property, plant and equipment	(236)	(1,327)	(1,733)	(2,481)
Intangibles	(231)	(588)	(262)	(13)
Free cash flow	32,818	16,790	18,796	24,321
Cash flows from Investing Activities				
Payments on contingent consideration	-	(50)	(3)	(5,471)
Sale of Business Net of Tax	(5,507)	-	-	-
Cash flows from Financing Activities				
Dividends Paid	(20,143)	(18,351)	(16,050)	(13,327)
Repayment of principal component of lease liabilities	(2,961)	(2,828)	(2,720)	(3)
(Decrease)/Increase in cash and equivalents	4,207	(4,439)	23	5,520
Effects of Exchange Rates	(729)	(149)	112	46
Total (Decrease)/Increase in cash and equivalents	3,478	(4,588)	135	5,566

Cash Conversion





	H1 FY22	H1 FY21
	US\$ '000	US\$ '000
Operating EBITDA	34,801	30,649
Non-cash items in EBITDA		
Share-based payments	2,490	1,105
Unrealised foreign exchange differences	(495)	(297)
Interest	(144)	(252)
Earnout	-	(2,500)
Changes in working capital		
Receivables	5,136	1,098
Inventories	(220)	(118)
Deferred revenue	(2,383)	1,106
Other operating assets	418	(434)
Payables and provisions	(2,902)	(1,731)
Other items		
Tax paid	(3,416)	(9,921)
Operating cash flow	33,285	18,705

Half Year 2022 Results Key Metrics

USD millions	1H FY22	1H FY21	+/- %	1H FY20	1H FY19
Revenue (incl. TASKING)	102.2	89.6	14.1%	92.6	78.1
Continuing Operations:					
Revenue	102.2	80.0	27.8%	83.1	69.7
Reported expenses	67.4	53.0	27.2%	51.3	43.6
EBITDA	34.8	27.0	28.9%	31.8	26.1
Depreciation and amortization	5.8	6.0	-3.3%	5.3	2.8
EBIT	29.0	21.0	38.1%	26.5	23.3
Net interest	-0.04	0.3	-115.7%	-0.3	-0.3
Profit before income tax	29.0	20.7	40.1%	26.8	23.6
Income tax expense	6.1	4.1	50.5%	7.9	2.0
Profit after income tax	22.9	16.7	37.7%	18.9	21.6
Profit after tax from discontinued operations	-0.1	3.1	-103.2%	4.2	3.8

	1H FY22	1H FY21	1H FY20	1H FY19
EPS Total	17.30	15.03	17.65	19.48
EPS Continuing	17.41	12.67	14.46	16.58
Dividends (AU cents)	21	19	20	16
Key Margin Analysis (continuing) EBITDA margin EBITDA margin (Underlying) Net profit before tax margin Net profit after tax margin Effective tax rate	34.1% 34.1% 28.4% 22.5% 21.2%	33.8% 30.6% 25.9% 20.8% 19.7%	38.3% 35.9% 32.3% 22.7% 29.5%	37.4% 37.3% 33.9% 31.0% 8.5%
Balance Sheet (USD millions) Cash and equivalents Net assets	195.0 260.5	88.5 187.2	80.7 192.7	58.0 166.1
Operating cash flows	33.3	18.7	20.8	26.8

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2022 Half Year Highlights

- 2 2022 Half Year Financial Performance
 - Market Forces Driving Altium's Dominance & Transformative Agenda

Appendix: Company Overview

Electronics at the Heart of All Intelligent Systems





Printed Circuit Boards are central to the design & realization of electronics and smart connected products

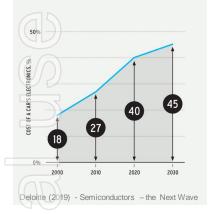
Electronics are Responsible for 40% of a New Car's Total Cost

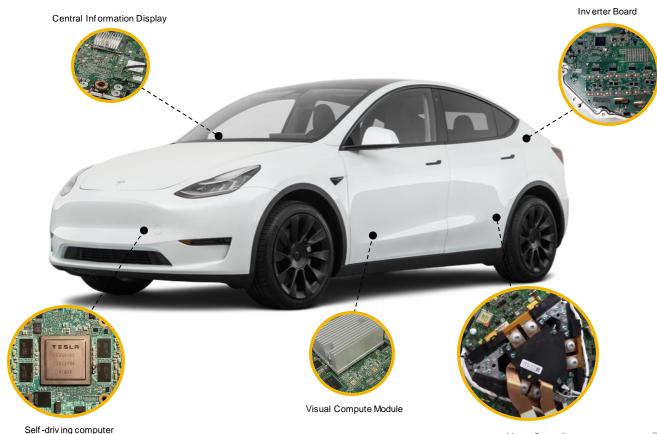
and its Al brain



Where the PCBs go in Automobiles

- Engine Control System
- · Battery Control System
- ECL/ECU control modules
- Antilock brake systems
- Digital displays
- Dashboard
- Transmission sensors
- Radar
- Audio systems
- DC/AC power converters
 Engine timing systems
- Electronic mirror controls
- Power relays
- Airbag
- LED lighting systems
- Steering
- · Air Conditioner System





The Economic Forces Shaping the Future of Smart Products.



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iRobot Smart Vacuum Cleaner

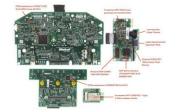


- Safety
- Performance
- Compliance
- Engineering Expertise



System Modelling & Engineering Analytics

- Need for Intelligence
- Need for Connectivity
- Electronic Components
- PCB Fab & Assembly



Electronic Design & Manufacturing

- · Form, Fit & Function
- Experience
- Time to Market
- Material
- Manufacturing



Product Design & Manufacturing

- AI/ML
- Security
- Scalability
- Cloud Computing
 - 5G



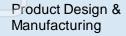
Software, Silicon & Computing

The Emergence of Cloud-Based Digital **Ecosystems for Smart Products**

Altıum.

Electronic Design & Manufacturing

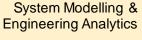
- Altium has the only digital platform connecting electronic design to realization in the mainstream engineering market
- The emerging platforms in Product Design and Manufacturing w hile competitive, target different market segments











- Ansys' pervasive simulation platform aims to make simulation relevant at all stages of a product lifecycle - fromideation to utilization
- AWS and Azure are most likely to be the two dominant infrastructure layers for managing the data and processes for smart products
- Emergence of ecosystems for Silicon design

Software, Silicon & Computing

























Altium 365 and Nexar Connect Electronic Design to Manufacturing and the Wider Engineering Software Ecosystem



Product Design & Manufacturing

- Nexar is a cloud-based integration platform to connect the grow ing community of Altium 365 PCB design users with the software, suppliers, and manufacturers needed to transformideas into smart & connected products
- Platform Adoption Over 7,000 companies have already adopted the Altium 365/Nexar cloud platform for electronics design.

Ansys DASSAULT FUSION 360° **SIEMENS** Minerva Xcelerator NEXAR Altıum **Electronic Design Octopart Electronic Electronic Parts** Fab & Assembly **Supply Chain ALTIUM** 365

System Modelling & Engineering Analytics

- Altium 365 connects the Electronics Industry fragmented value chain to drive productivity and manage production risk
- Octopart allow s electronic designers to research parts availability and pricing w hile providing opportunity for component manufacturers to influence early design decisions
- Altim ade provides cloud based smart manufacturing that will improve productivity and manufacturability of electronics hardware and manage the supply chain of components as well as production risk

\$2 Trillion

Estimated Size of the Electronic Industry

Focus Areas for Strategic Alliance

The rise of smart connected devices has brought electronics into many organizations where previously they would outsource the design and manufacturing of electronics hardware

The last mile of digital transformation is difficult for most companies with low organizational capability to manage an enterprise-wide design and realization platform

A cloud-based approach is ideal to facilitate and help the implementation of digital transformation for this class of organizations

SIEMENS SYNOPSYS* Xcelerator DASSAULT **Customer Ability to Transform** Centralized fully 3DEXPERIENCE® integrated solution to deliver a singular platform **/\nsys** for Digital Transformation Minerva Bringing Digital Transformation to the mainstream through Cloud and SaaS offerings AUTODESK*
FUSION 360* Bringing Digital Transformation to the masses through "long-haul" collaboration between design, manufacturing and supply chain Customer Motivation to Transform

 The implementation of an enterprisewide platform for the design and realization for electronics hardware is not economically viable for most companies where electronics is required but not central to their core activities

 A SaaS based business model makes digital transformation a viable proposition for large companies where electronics is required but secondary to their core competency



Altium will build strategic partnerships for the benefit of customers who are highly motivated to pursue digital transformation but who have low organizational capability to implement enterprise software for electronics



Altium is Well Positioned to Disrupt the Way Electronic Products are Designed and Manufactured







NETFLIX

World's largest movie house

Owns No Cinema

facebook.

Most popular Media owner

Owns No **Content**



Owns No **Inventory**



Own No
Telco
Infrastructure



World's largest Software vendors

> Own No **Apps**

Altıum

World's would-belargest manufacturer of Electronics *

Owns No **Factory**

What they all have in common is their ability to simultaneously bring data, processes and commercial transactions together on a singular cloud-based digital platform at a large scale



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2022 Half Year Highlights



2022 Half Year Financial Performance

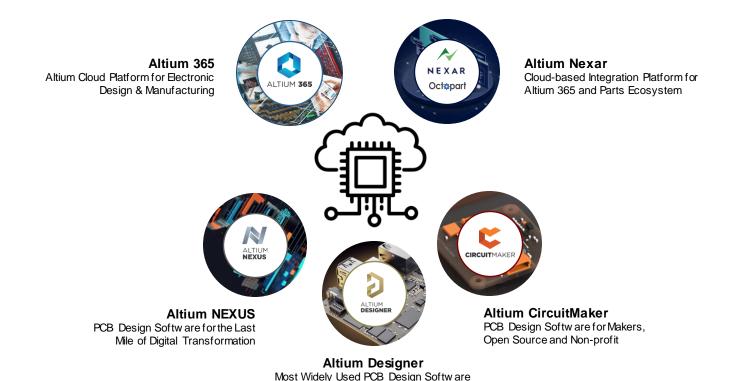


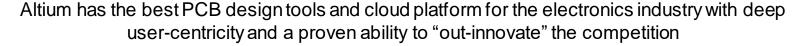
Market Forces Driving Altium's Dominance & Transformative Agenda



Appendix: Company Overview

Altium's Market-Leading Products and Cloud Platform





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Mainstream Dominance with Diversity of Applications and High-Profile Customers





Altium is the differentiated category leader for PCB design and it empowers innovation for a diverse array of leading customers

Global Reach



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Altium Core Values



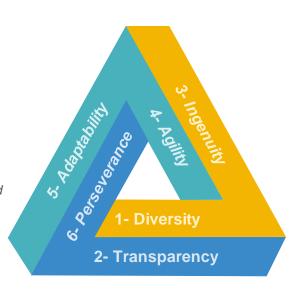
The Genius of AND

Product

"Regular Product Releases" and "Delivering Next Generation Products"

Finance

"Growing Revenue Strongly" and "Expanding Profit Margin"



Sales

"High Volume Selling" and "Sophisticated Value Proposition"

People

"Diversity in Thinking" and "Aligned in Action and Purpose"

The only way to make the "Genius of AND" work is through Ingenuity supported by Transparency, Agility, Adaptability and Perseverance

Guidance and Long-Term Outlook

Altıum.

- Altium has regained momentum and is benefiting from a smoother than expected business model transition
- Altium is well-positioned to capitalize on post-pandemic market opportunities
- Confident of achieving the flight path for dominance of US\$500 million, 100,000 subscribers and 95% recurring revenue, ex-China
- Altium upgrades its full year revenue guidance to be at the high end of the range, while margin is likely to be at the low end (or thereabouts) as the Company pursues new cloud and enterprise sales roles in an increasingly competitive talent market, particularly in the US:
 - Revenue between US\$213 million to US\$217 million (18-20% growth)
 - Underlying EBITDA margin of 34-36%
 - ARR growth of 23-27%