

BLACK BWY AGC Networks Ltd.

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Value chain is the whole series of activities that create and build value at every step. The total value is derived by the company is the total of the value built gradually throughout the company. Over the past couple of decades, many mid and small-cap companies have **moved up in their value chain by becoming specialized manufacturers in their respective business segments.** These companies started at the bottom and have been involved with commoditized operations. A company can either move up the value chain by either expanding its existing product line or by introducing newer products.

As Warren Buffett said, "If the Business Does Well, the Stock Eventually Follows".

Businesses that generate recurring revenues by targeting a large market with perpetual demand have tremendous potential, apparently any particular stock is bought considering the industry in which the business operates, the extent of competitive advantage and the future potential for its goods.

Investors who had invested in NIFTY IT made staggering returns of over 222.4% in the last 5 years.

Covid-19 has proven to be a blessing in disguise for some of the industries and sectors, and with the growing emphasis on digitalization and 5G services, which can become a way of life for everyone even after the pandemic is over, the Technology solutions integration industry has the potential to be a multi-billion industry in the future.

Our latest recommendation is one such company from the IT sector. It is an information and communication (ICT) solutions provider and integrator with a differentiated vertical approach in business communication systems, applications and services.

Enterprises or mid-market organizations are increasingly on the lookout for a Solution Integrator who can deliver their Digital landscape as a complete solution – be it the Communications platform - internal / external, telephony, social media or enabling of information at the click of a mouse and delivered through high performing networks covering all aspects of security – from end point to applications. Added to this are Services that deliver, maintain and support the customer's technology landscape either on-site or remotely.

This is where Black Box Ltd comes in.

While there is still room for growth in the local markets, the company's efforts in changing its perception to a Global TSI and TCP company will lead to premium valuations in the stock market.

Company Snapshot

- Single Phase Buying Strategy = Buy between ₹130-135 (CMP = ₹132)
- Price Target = Around ₹200+ in next 12 months, ₹400-500 in next 3-5 years. Expect 30-35% CAGR Return.
- "Information and Communication Technologies (ICT)" Megatrend Lead by #1) The digital convergence of the media, ICT and telecommunications industry; and #2) The exponential increase in information, computing power and data transfer rates.
- > AGC Networks leveraged buyout of NASDAQ listed Black Box Corporation in 2019 A Game Changer!!!
- Revenue Target of 7000-7500 Cr by FY24 & PAT growth of ~300-500% by FY24
- International Collaboration & Increasing Global Demand. High Entry Barrier and Improving Operations.

Business: Black Box Limited delivers technology solutions by digitally transforming and accelerating their customers' business in the areas of connected buildings & IoT, digital workplace & customer experience, data center & edge networks, wireless & mobility (including 5G) and cyber security. They also sell and distribute technology infrastructure products through online web, distributors, integration partners and value-added resellers

Management : From manufacturing telecommunication equipment, the company has grown into a Global Solutions Integration and Technology Product Solutions business in the world through acquisitions. The management has been instrumental in building and scaling the business in India and abroad. Their strategy is to be 'GLOCAL' by delivering solutions to a client locally wherever they are. They aim to create a sustainable, profitable and growing solutions business.

Risks: Intense Competition, high geographical concentration in revenue, geopolitical risks and exchange rates fluctuations, staff attrition in IT industry.

History

Appointed AT&T's SI In India

- 1. AT&T's Lucent spins off Enterprise business as Avaya.
- 2. Tata-Avaya JV takes shape
- 3. Avaya buys TTL stake, forms **Avaya Global Connect**



Expansions in-to North America, MEA & ANZ



Expanding Global Presence

AGC completes acquisitions of Black Box in US getting scale

Strategy to Transform, Sustain & Grow

AGC renamed as 'Black Box Ltd.' Growing the Global Organization: One Name, One Brand, One Language

1986 1994-2004 2010 2011 2014-18 2019 2019 2020 2021

Incepted as Tata Telecom Ltd.

Rechristened and Reimagined

Acquired & Renamed as AGC Networks Ltd



AGC amplifies Customer centricity

through M3 approach

- Multi Solutions
- Multi Alliances
- Multi Geos

Tuck-inacquisitions

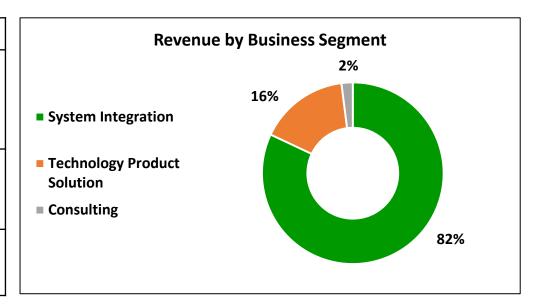
AGC completes acquisitions of Fujisoft, Pyrios & Mobiquest in MEA, ANZ

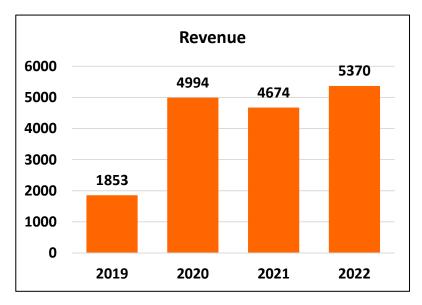


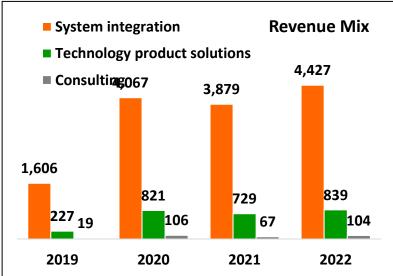


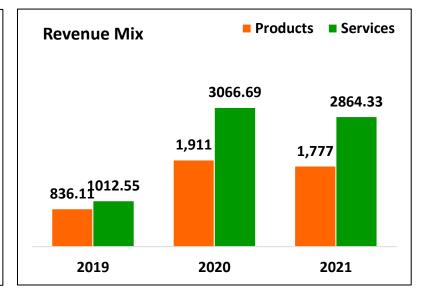
Business Overview

Business Segments	Products offered					
System integration	Unified Communication, Data Center & Edge IT, Cyber Security, Digital Solutions & Applications and Seamless Customer Support and managed services.					
Technology product solutions	IT infrastructure, specialty networking, multimedia and keyboard/video/mouse ("KVM") switching.					
Consulting	providing consulting services for performance improvement and customer experience.					









Demand for streamlining business processes and the adoption of 5G technology

Low price/Revenue relative to competitors.

Government initiatives & policies towards digitization in developing nations.

Increasing adoption of smartphones and rising internet penetration



Growing adoption of
AI & robotics,
Internet of Things
(IoT) in different
industry verticals

Promoter infusing equity

Large Partnership Network

Reduction in pledged shares & Debt

Expanding Global Presence (1/2)

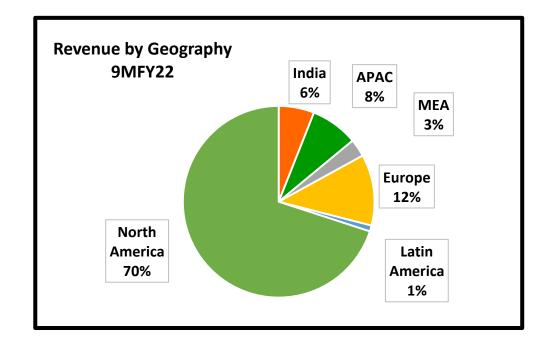
Globalization is creating a shift in the way businesses work thereby elevating the role of emerging technologies in addressing industry challenges and this in turn is opening up newer avenues for companies to operate within.

The company is aggressively pursuing inorganic growth strategy to improve its global standing:

- It Identifies Businesses that provides expansion through scale and revenues currently operating with sub-optimal margin profile.
- It chooses companies that can complement its current business to scale up existing businesses, acquire new customers, diversify to newer geographic locations and acquire capabilities in newer delivery verticals and solution.
- ➤ It transforms the acquired entities to execute synergies

In collaboration with global technology leaders like Avaya, McAfee, Palo Alto, Cisco, Commscope, HPE, Trend Micro, Unify, NEC, Corning, Juniper, Nutanix, NICE, Verint, Poly, Genesys and Mitel among others, the company delivers domain-focused, flexible and customized technology solutions and seamless services that accelerate customers' business and ensures Return on Technology Investments

The combination of increased country coverage across the globe and lower support costs has enabled the Black Box Ltd. to become a global solutions provider of choice for customers.





The company is expected to continue to benefit from its established market position, driven by a diversified range of service offerings and end user industries, alliances with leading software vendors, and longstanding customer relationships.

Expanding Global Presence (2/2)



The acquisition of Black Box Corporation (erstwhile NASDAQ: BBOX), a leading digital solutions provider in the US will substantially add to company's revenue; global headcount to more than 4,000 people serving clients worldwide and a footprint in over 30 countries across six continents. The combined entity now furthers AGC's customer presence and reach to span the mature economies of the world – namely North America, LATAM and Europe to the existing regions of APAC, MEA and India & SAARC thereby weaving together a truly global perspective on technology enabling business.

AGC acquired BBX in a leveraged buyout of ~Rs 850 crore. BBX was a loss-making company at the time of acquisition. The management of focused on turning around of BBX post acquisition through various sustainable cost optimization initiatives such as employee right sizing, reduction in discretionary and redundant costs and common pool of resources. Resultantly, the operating profitability improved to around 7% in fiscal 2021 from 2% in fiscal 2019. The operating profitability is expected to improve further to 8-9% over medium term with further business optimization exercises being implemented by end of the current calendar year. This is expected to result in savings in operating costs and will further improve efficiencies.



Pyrios Pty Ltd (Australia) and **Pyrios Pty Ltd (New Zealand)** were acquired to increase and strengthen Company's presence and offerings in the Australia and New Zealand market and to enhance the current solution portfolio the Company in the Unified Communications and Contact center space and Cloud services



Black Box Technologies Australia Pty Limited, Indirect Wholly-Owned Subsidiary of Black Box has acquired 100% of shares of **Dragonfly Technologies Pty Ltd**. in February 2022 for a total consideration of ~AUD 5.91 M. It will help the Company to strengthen its presence in Australia and also add cybersecurity capabilities to offer wider range of services to our customers. This will also give rise to an opportunity to cross sell to the current customers.

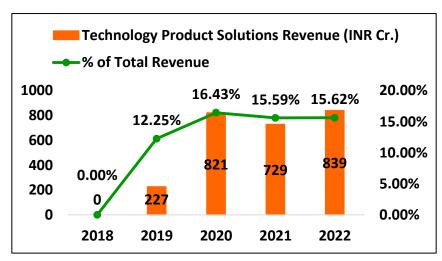


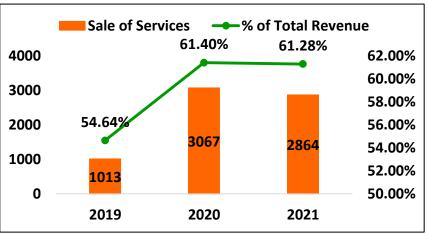
The company had also acquired **Fujisoft Technologies UAE** to establish and scale presence in Middle East region, enhance the current solution portfolio across Cloud Computing & Virtualization, Cyber Security, Managed SoC & NoC, Managed Services, Data Center and Collaboration solutions and to gain Opportunity to cross sell between the current customers of Black Box and the acquired Companies

Fast Growing Value-added Businesses

- Over the years, Black box has evolved into an information and communication (ICT) solutions provider and integrator with a differentiated vertical approach in business communication systems, applications and services.
- ☐ The company is planning to launch new cloud-based offerings, Invest in data center practice and refreshing the sales team, hiring partner managers and solution architects for new offerings.
- ☐ The Company aims to Increase focus on cross-selling opportunities between Solution Integration and Technology Product divisions and invest to tap global deployment opportunities with US based clients and relevant partnerships with OEMs.
- The business has a high entry barrier as it requires economies of scale, networks, strong technical personnel and high regulatory requirements.
- ☐ There has been high adoption rate of cloud computing across North America & Europe
- ☐ There has been an increase in organizational and consumer data in Europe & Asia Pacific and Increased IT spend in MEA.
- ☐ Growing demand for software defined computing & networking in the U.S. and UK are expected.
- ☐ There have been Large shift towards automation technologies in the manufacturing industry in Asia Pacific. The trend is expected to sustain.
- ☐ There has been Rapid growth of SMEs and industrialization in South-East Asia that calls for greater need in communication and collaboration.
- ☐ Ongoing technological advancements in Latin American region is driving the demand for professional services.

5Yr Revenue CAGR – 40% 5Yr Profit CAGR – 42%





Solutions across Industries

3 of the 6 Largest

US Retailers

Today, companies across various industries are embracing various tools of their digital journey such as Analytics, Mobility, IoT and Social Media to improve the use of traditional technologies such as ERP and CRM to enhance customer relationships, internal processes and thereby their value proposition — and these are areas where this Company has built and delivered solutions.

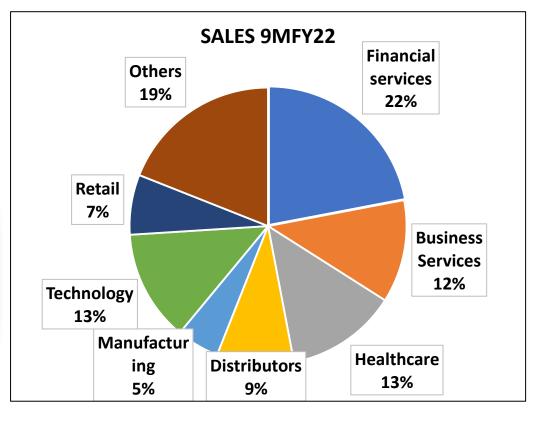
Black Box can help you adopt new technologies, maintain a hybrid environment and move to unified communications



The 3 HNN

Largest Hotels in

the World



Large enterprises have witnessed **rapid adoption of Unified Communication-as-a-Service (UCaaS) platform**, a cloud delivery model that combines multiple channels of communication such as voice, text, chat, and e-mail, thereby offering a bundled solution. UCaaS bundles have proven to be cost-effective as compared to deploying a single UC solution. The increasing need to reduce enterprise overhead costs and need to eliminate purchase of standalone systems have propelled the market over the past few years

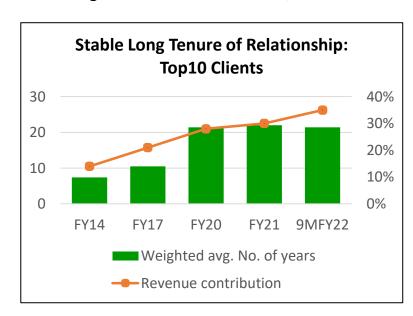
6 of the Forbes

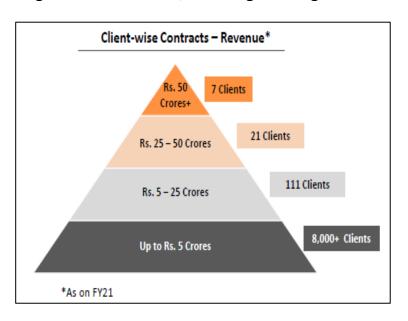
10 Largest US

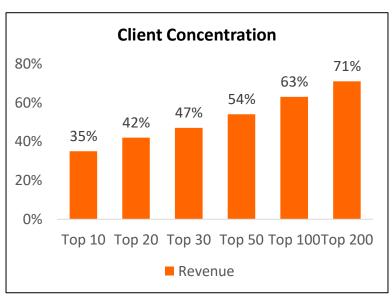
Banks

Customer relations and talent acquisition

- Black Box's business comprises of 3 main segments –Global solutions integration, technology product solutions and consulting & training.
- The company has marquee client base including Bank of America, Synnex Corporation, Intel Corporation, TJX Group of companies, Wells Fargo, Facebook etc. The client profile is fairly diversified with top 10 clients contributing 30% to the revenues in fiscal 2021. The relationships with clients are also fairly longstanding with weighted average relationship with top 10 clients being over 20 years. The company also has collaborations with various global technology leaders. The company is expected to continue to benefit from its established market position, driven by a diversified range of service offerings and end user industries, alliances with leading software vendors, and longstanding customer relationships.







The IT Industry faces a high attrition rate. The Company being no stranger to the risk, has over the years taken appropriate measures to facilitate cultivation of long-standing relation and loyalty amongst talented and highly competitive employees contributing majorly to the performance of the Company over the years. The Company has undertaken meticulous planning to attract, recruit & select exceptional talents and has taken strategic and holistic approach to build its talent pool. In the current year, the Company has hired employees in upcoming technology quadrants

	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
Revenue from operations (INR Cr.)	1050	775	891	881	780	733	1853	4994	4674	5370
Operating Profit (INR Cr.)	-1	-191	24	6	32	33	47	328	352	258
Operating Margin (%)	-0%	-25%	3%	1%	4%	5%	3%	7%	8%	5%
Net Profit (INR Cr.)	-22	-282	15	-35	10	15	-79	-80	78	73
Net Profit Margin (%)	-2.09%	-36.38%	1.68%	-3.97%	1.40%	2.04%	-4.26%	-1.60%	1.66%	1.35%
Cash flow from Operating (INR Cr.)	-61	106	28	29	4	52	-72	1137	412	170.58
Net Cash Flow (INR Cr.)	2	-12	5	-2	-10	-7	197	110	41	-55.94
Operating Leverage	-18.27	-725.45	-7.52	66.83	-37.80	-0.52	0.28	3.53	-1.14	-179.33

- Revenues have been growing at a CAGR of 42.57% from FY19–22. Operating profits have grown at a CAGR of 76.40%
- Top-line grew by 14.89% in fiscal 2022, and the company registered its best year in business. The company has faced losses in FY19 and FY20 due to exceptional items relating to Black Box Acquisition.
- The company has been maintaining a low operating margin of 3% 8% over the recent years. Material costs as a % of revenues have been falling and Employee expenses as a % of revenue have been rising despite certain layoffs to optimize operations after Black Box merger.
- Q3FY22 and Q4FY22 operating margins were low at 5% each on the back of escalations in labour costs and increase in costs of chipsets. Nevertheless, operating profitability is expected to revert to 8-9% in the forthcoming quarters, supported by continued cost optimization initiatives and price hikes on select variable price contracts.
- □ The management aims to reach 7000Cr − 7500 Cr revenue in FY23 with an EBITDA margin of 9%- 10% and PAT of 6% − 6.5% on the back of increasing market penetration, addition of new clients and optimization of operational efficiencies.
- □ Cash flow has been negative owing to working capital changes and few other line items relating to defined benefit plans, warrant liabilities, etc.

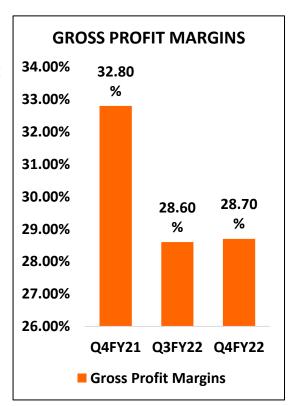
	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
ROCE (%)	5	-45	4	1	12	13	7	39	56	29
ROE (%)	-7.16%	-381.35%	17.04%	-64.49%	14.78%	16.56%	-421.90%	-85.98%	37.77%	27.96%
Fixed Asset Turnover Ratio %	8	7	10	8	7	6	5	9	8	7
Earning Per Share	-7.69	-99.13	5.19	-12.15	3.63	5.24	-26.49	-26.88	24.01	22.46
Debt to Equity	1	1.6	1.5	2.4	2.7	1.4	1.1	1.1	0.1	1.85
Inventory Turnover	5.57	3.24	6.00	15.03	13.33	9.80	6.88	10.55	10.86	9.37
Debtor Days	199	138	101	90	97	104	170	26	19	25
Days Payables	224	262	187	184	187	209	324	133	122	187

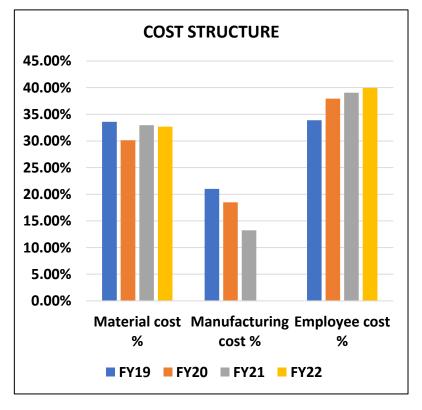
- ☐ Black Box has been posting profits from Q4FY20. We expect the result of the acquisitions will bear fruit going forward resulting in further improvement in return ratios and turnover ratios.
- In FY21, Essar Telecom Limited ("ETL"), Promoter of the Company, was issued 22,64,281 Equity Shares and Onir Metallics Limited ("OML"), a Promoter Group entity, was issued 3,34,370 Equity Shares of the Company pursuant to conversion of Warrants. In May 2022, 8 Lakh+ equity shares and 3.4 Lakh+ equity shares were issued to ETL and Essar Steel metal trading ltd. respectively.
- Increase in fixed assets is largely attributable to purchase of infrastructure related to acquisitions. Capital expenditure is expected to be low Due to asset light nature of increasing service business.
- The company has significantly reduced borrowings over the years on account of repayment by equity infusion from promotors amounting through issue of warrants and healthy cash accruals. However, borrowings have increased in FY22 by 46.6%. Most of the company's debt is in the form of long-term borrowings. Net profit margins of the company have been impacted by company's high-interest costs.
- Black Box has current liabilities amounting to Rs. 1905.23 Cr as of 31st March 2022, However, it does have Rs. 301.10 Cr. in cash and cash equivalents and Rs. 374.21 Cr in receivables to offset the liabilities. Current ratio stands at 0.94 and Quick ratio stands at 0.82.

Q4 FY22 Update

	Q4 FY21	Q3 FY22	Q4 FY22	Q-o-Q (%)	Y-o-Y (%)
Revenue (INR Cr.)	1,221	1,387	1,442	3.97%	18.10%
Operating Profit (INR Cr.)	70	68	78	14.71%	11.43%
Operating Profit Margins (%)	5.73%	4.90%	5.41%	-	-
Net Profits (INR Cr.)	1	15	16	6.67%	1500.00%
Net Profit Margins (%)	0.08%	1.08%	1.11%	-	-

- ☐ Operational margin were better Q-o-Q, however, still remain low owing to:
 - a) Inflationary pressure on overall labour cost including contingent workforce.
 - b) Increase in procurement cost due to supply chain challenges and component shortages.
- Additional measures to optimize the costs have been taken & as a result, operating margins have increased by ~51 bps on a Q-o-Q basis.
- ☐ For Q4FY22 the company has delivered ~18.10% revenue growth on the back of healthy order book and strong execution capabilities of the company.
- Over the last year, the company has won orders in excess of US\$ 600 mn.
- ☐ The company's stock witnessed a stock split of 5:1 with exsplit date as 17th May 2022.
- ☐ Deal wins of 65 Mn + in Q4 including Data Center build-out and In-Building 5G/OnGo solutions



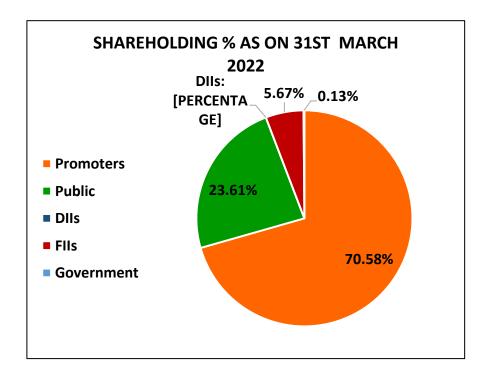


Management Analysis & Shareholding %

Sanjeev Verma, **CEO** is a technology veteran with over 2 decades of extensive global experience in the ICT domain. He has a highly successful track record in diverse set of management and leadership roles in the areas of business operations, sales & marketing, consulting, M&A and startup operations, globally. **Deepak Kumar Bansal**, **Global CFO** also has over 24 years of professional experience and brings with himself a diverse corporate finance experience inclined towards fund raising and IPOs.

The company's bid to become a global go-to solutions provider has led to a critical and visible change, wherein they pursue their 'GLOCAL' strategy through acquisitions in different parts of the world. They plan to follow the same strategy to further scale its new business segments.

Management aims to continue focusing their energy on building, maintaining, nurturing and growing our key relationships with employees, customers and technology vendors to deliver value to their stakeholders. Their focus will continue to be on growth driven by productivity and based on an open culture for employees and various stakeholders.



Promoter Shareholding: Current shareholding of promoters in the company is 71.21% owing to conversion of warrants.

Management compensation: Management compensation has been in line with the ceiling limits of 10% of net profits.

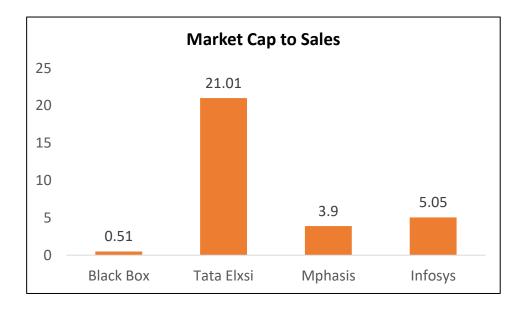
Capital allocation record: The management has clearly done an exceptional job in inorganically growing to become a dominant position in GSI and TPS markets. To be able to build a global brand in a highly competitive market is nothing short of excellent capital allocation. They have also been quick to upgrade to newer product lines to further diversify their revenue streams by leveraging the company's extensive partnership network.

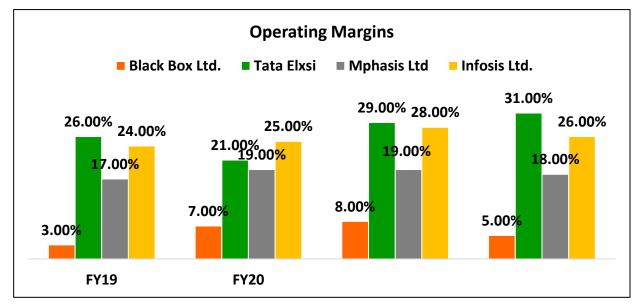
Shareholder communication: Adequate

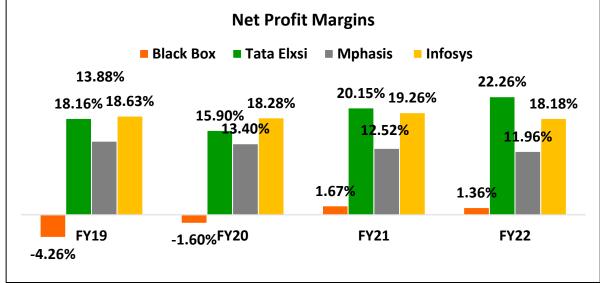
Pledged Shares: As in December 2021, pledge share percentage stands at 9.21% which has been reduced from 31.29% in December 2019.

Competition

- Since the company delivers value to its customers through different segments, it is difficult to ascertain perfect competitors.
- Some of the prominent players operating in the system integration market include Accenture PLC, Capgemini, CGI Inc., Cisco Systems Inc., Dell Technologies Inc., Fujitsu Ltd, HCL Technologies Limited.
- Black box has recently undertaken several acquisitions. We expect the impact of this transition to flow into its returns and cash flow in the short term.
- Black Box's impact of high debt is visible in its margins. With the management working on restructuring the acquired companies and reducing the debt, we expect the margins to improve significantly.







Sources of Risks 3C Capitals

Geographical concentration

Though the Company has spread its portfolio worldwide, there is large focus in the United States of America (70 % of revenue in 2021), it still must penetrate its existing clients globally and source for more and newer pools of clients to shield itself from the impact of a downturn in connected regions.

Geopolitical & Exchange Rate Risks

Black Box has clients in 30+ countries and derives 94% of its revenue from outside the Indian market making it susceptible to geopolitical tensions and exchange rate fluctuations.

Any geopolitical tensions between major economies can cause supply & demand glut in turn affecting the prices of raw material and final products.

The company has several subsidiaries and step-down subsidiaries (many have very low revenues). They are susceptible to legal risks

Intense Competition

Black Box faces intense competition from organized players. it is key to stay updated on latest technology advancements and offerings to ensure the business model of the Company stays relevant with customer needs.

Working capital intensive operations

There is a requirement for steady cash flow in sufficient quantum in order to support the Company's operations and operate its business model with efficiency.

Talent Retention

The Company is heavily dependent on its employees as its key capital and asset. Over the past few years, the IT Industry has particularly faced a high attrition rate mainly attributable to the highly volatile nature of this industry and the resultant demand for constant skill updation & development from the employees by companies belonging to this industry.

Future Outlook (1/2)

Black Box's overall business is viewed as an IT business and has commanded high valuations like other IT solution companies.

While Black Box may still seem behind its peers in some respects such as indebtedness, profit margins, net worth, brand awareness etc, anticipation of strong free cash flow generation, steady revenue growth across segments, improving margins on the back of higher revenues and balance sheet deleveraging, makes us expect that the company will come out stronger than ever before.

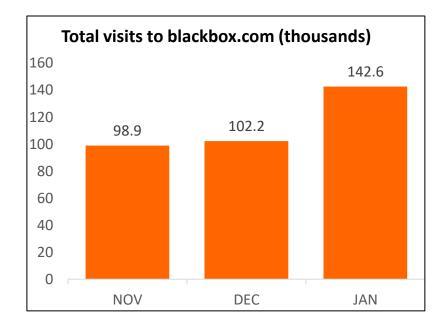
Global and Indian economic outlooks are positive. Gartner, Inc. forecasts worldwide IT spending to total \$4.4 trillion in 2022, an increase of 5.3 percent from 2021.

With this as an outline and consistent efforts on cost consciousness, the Company's base has been set to capture a greater share of the market opportunity in India and overseas.

The coronavirus (COVID-19) pandemic has slightly declined the solution integration market demand owing to closure of infrastructure construction. However, the resumption of system integration process and advent of cloud computing, 5G services, etc will result in gradual increase in the market demand.

Given Black Box's increased focus on talent acquisition and long-term customer relations, we believe the company can command higher margins in near future.





Future Outlook (2/2)

Global IT services industry Outlook

The IT services market is expected to register a CAGR of about 10.36 % during 2022-2027.

Global Managed Edge Services Market

Over the 2021-2025 forecast period, the compound annual growth rate (CAGR) for managed edge services is expected to be **55.1%**.

Global Internet Data Centers Market

The global market for Internet Data Centers estimated at US\$59.3 Billion in the year 2020, is projected to reach a revised size of US\$143.4 Billion by 2027, growing at a CAGR of **13.4%** over the period 2020-2027. noteworthy geographic markets are USA, China, Japan and Canada.

Global AI Services Market

The global artificial intelligence (AI) services market is expected to reach US\$50 billion by 2025, which will make it the fastest growing AI subsegment over a five-year period. For the five years through to 2025, the market segment is expected to grow at a CAGR of **21%**.

India ICT Spending

India's ICT Spending is expected to reach \$111 billion by 2024, according to IDC. The revival of economic activities across India together with growing consumer demand will play a key role in expediting this growth.

Global Cyber Security Market

Amid the COVID-19 crisis, the global market for Cyber Security estimated at US\$162.9 Billion in the year 2020, is projected to reach a revised size of US\$296.5 Billion by 2027, growing at a CAGR of **8.9%** over the analysis period 2020-2027.

APAC ICT Spending

ICT spending in Asia Pacific is expected to grow by over **7.1%** to reach \$950 billion in 2021 and is expected to reach \$1.1 Trillion by 2025, according to IDC.

Unified Communications as a Service (UCaaS) Market

The unified communication as a service market is expected to reach USD 87.20 Billion by 2026, growing at a CAGR of **19.25%**.

SEBI Research Analyst Registration No.: INH200006451

- 1. At the time of writing this article, the analyst have no position in the stock covered by this report.
- 2. The analyst has not traded in the recommended stock in the last 30 days.
- 3. The research analyst does not have any material conflict of interest at the time of publication of the research report.
- 4. The research analyst has not received any compensation from the subject company in the past twelve months.
- 5. The research analyst or its associates has not managed or co-managed public offering of securities, has not received any compensation for investment banking or merchant banking or brokerage services nor received any third party compensation. The subject company was not a client during twelve months preceding the date of distribution of the research report.
- 6. The research analyst has not served as an officer, director or employee of the subject company.
- 7. The research analyst or research entity has not been engaged in market making activity for the subject company.
- 8. The research analyst or research entity or its associates or relatives does not have actual/beneficial ownership of one per cent or more in the securities of the subject company, at the end of the month immediately preceding the date of publication of the research report or date of the public appearance.
- 9. The analyst does not own more than 1% equity in the said company.