

# **CARNELIAN SHIFT STRATEGY**

JULY, 2021

#### Every crisis brings some "SHIFT", this should be no different!



**2001 -** IT bubble burst followed by drop in interest rates leading to infra & industrial boom



**2008 -** GFC followed by populist measures & inflation resulting in consumption growth





—Bse Sensex —S&P Bse Consumer Durables —S&P Bse FMCG

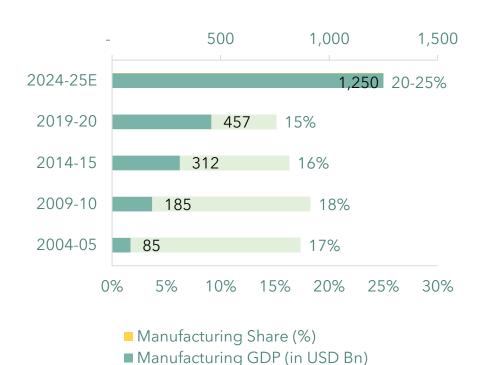
2020 - Covid-19 pandemic may lead to...???.



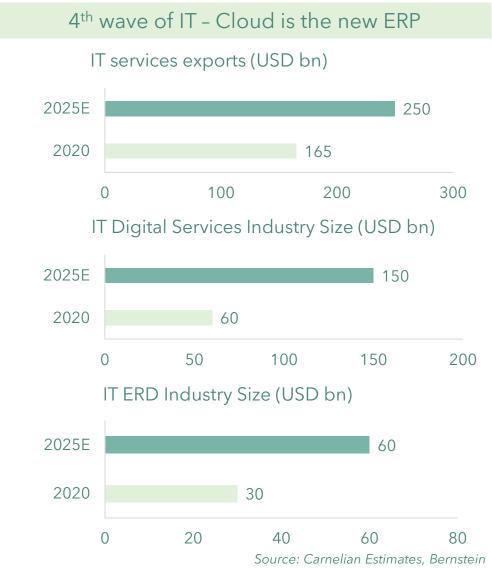
These "SHIFTS" create significant opportunities for growth & value creation

# This crisis brings 2 SHIFTS - manufacturing and technology

# Manufacturing GDP set to double over the next 5 years



Source: Carnelian Research, IBEF







# **MANUFACTURING**

# India on the cusp of a manufacturing boom on account of



#### **Govt. Reforms**

- Focus on Atmanirbhar Bharat
- Manufacturing boost by production linked incentive schemes
- Tariff & non-tariff barriers
- State labour reforms



#### China + 1 Shift

- Led by anti China sentiments
- Over dependence on China to create huge opportunity for China +1











- Labour: 1/2-1/3x China
- Logistics & power costs =
   China
- Lowest tax rates globally @ 17%

China's cost advantages have significantly narrowed down



 Domestic markets + exports/imports = economies of scale



#### Government initiatives and reforms

#### **BHARATMALA**

#### PLI SCHEMES

DIRECT BENEFIT TRANSFER (DBT)

SINGLE WINDOW CLEARANCE

OPENING OF MINING SECTOR

DFCC

**PMAY** 

RERA

**IBC** 

JAN DHAN YOJNA

Manufacturing clusters

POWER & LABOUR REFORMS

CROP INSURANCE

FDI

# GST

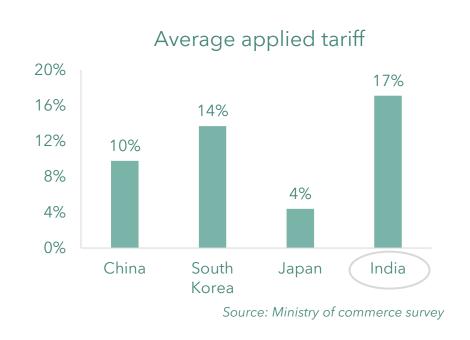
#### Enablers creating a business friendly & competitive environment supported by infrastructure development

- Globally lowest tax rate at 17% GST - One Nation One Tax; Reduction in warehouses, efficient transportation and reduced costs
- Creation of 35,000 kms of road with capital outlay of USD 5 bn
- DFCC will result in logistic saving by 37%.

- Production linked incentives across sectors
- Opening mining sector to private & foreign players allowing capital & technology investment
- Increase in limits across sectors like contract manufacturing, defense, retail etc. with conditions of local manufacturing
  - Creation of mega bulk drug parks, manufacturing clusters with common facilities and eco system development
- Direct hire of contractual workers for fixed tenure
- Threshold increased for lowering compliance
  - Power reforms will lead to reduction in T&D losses thereby reducing power cost further



# Further impetus through tariff & non-tariff barriers





India hardly used non-trade tariff barriers like China/other countries which is set to change;

- No global tenders less than INR 200 cr
- No automatic FDI approval to 200 countries sharing borders
- Special registration required for participating in contracts with neighboring countries



#### Aided by cost competitiveness

#### Labor Cost Comparison

Metric	China	India	Vietnam
USD / Mo wages	800	200	475
Productivity	1	2.5	1
Equalized Mo	800	500	712
Cost comparison	0	-37%	-11%

#### Logistics cost at a glance

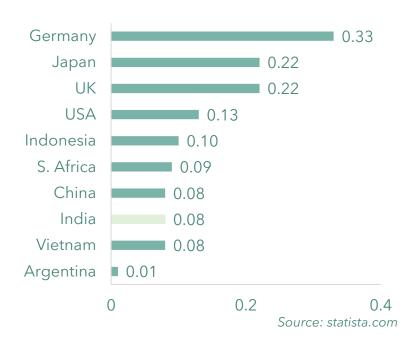
Cost	China	India	USA
Logistics performance index	3.61	3.18	3.89
Logistics spent as a % of GDP	18	14	8.5

Source: Worldbank, Industry

#### Components of logistic cost (as a % of GDP)

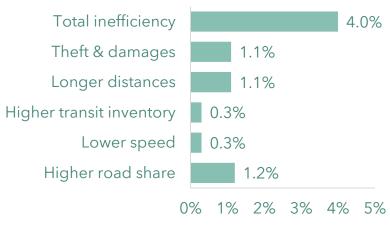
Cost	India	Developed countries
Transportation	7%	5-6%
Inventory cost	6.30%	2-3%
Administration	0.70%	0.5-1%

#### Power cost is same as China & Vietnam



Every small reform like fastag, etc. has a big impact on the logistics cost by reducing the time travel by ~15-20%. Opportunity to bring efficiency of 3-4% (GST, More efficient supply chain, Infrastructure)

#### Inefficiency set to go -DFC & infrastructure reforms



Source: Edelweiss reports



# China+1 shift will create big opportunities

Worlds over dependence on China currently



16% Global GDP



28% Global manufacturing (ranked no. 1)



58% global footwear production (Ranked no. 1)



70-85% World solar power components



36% World's chemical production (ranked no. 1)



17% Capital goods exports as % of total export



35% Textile & clothing exports as a % of total exports



10% Auto component exports as a % of total auto component exports



60-65% Global electric vehicles



#### Initial trends of import substitution & supply chain diversification

Indian companies gearing up too - capex announcements of ~USD 2bn by several pharma, APIs, chemicals & intermediate companies

#### **PRIORITY SECTORS**

**FURNITURE** \$10-11bn (Investment)

Market size: \$10-12bn with imports of \$1.5-2bn; over 50% imports from China

> Set up 3-4 hubs near ports, which are also close to wood producing areas

**ACs** \$5-6bn

> Over \$2 bn domestic market with 85-100% imported components

> Raise import duty, rework trade deal with Thailand

**LEATHER FOOTWEAR** 

#### Over \$1bn

> Set up 4-5 large clusters to produce 750-800m pairs a year

➤ Improve cost structure, give sops to global investors, correct duty structure

#### INDIGENOUS FOCUS Design and development proposals worth over ₹20,400 crore okayed

**BIG PUSH FOR** INDIAN MADE SYSTEMS

DefMin Approves Procurement of Indigenous Astra

DEFINED RADIO | All-weather, Indirect fire, free flight artillery rocket system

#### **Mass Cancellation of Chinese Orders** by Electronics, Electrical Parts Cos

New Delhi: Indian electrical equip-



**After Ban on 59 Chinese** Apps, 275 More on Radar



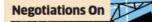
No Power Gear from China, Pakistan



Global backlash builds against China for Corona, paving way for diversification - China+1 strategy

#### India, US Talk Possible FTA

TIMING CRUCIAL US keen on a deal ahead of its presidential elections in November







**US-China tussle proves a** boon for Rajkot's engg firms

The i in iPhone 11 **Now Stands** for India-made











iPhone-maker Pegatron Registers India Subsidiary

Move signals Apple's



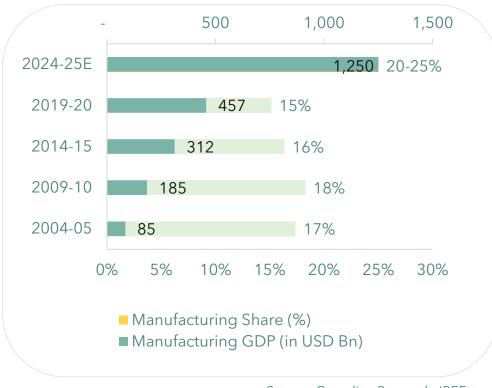
#### Which sectors will benefit

Metric	Import Substitution	<b>Export Opportunity</b>	Market Consolidation
Chemical, API & Pharma			
Capital goods			
Consumer Electronics & Durables			
Auto & Auto Ancillaries			
Defense			
Industrial Capex Ancillaries			
Building Materials			



### 2nd order effects of manufacturing to flow

Manufacturing GDP set to double over the next 5 years



Source: Carnelian Research, IBEF

- Manufacturing sector employs ~56mn people; set to double over next five years
- Moreover, there is a multiplier effect at play
   one job in manufacturing creates
   additional 3 jobs in ancillary services.
  - Furthermore, leads to a push in the investment cycle, both in manufacturing plants & the required infrastructure to support such growth
  - For a USD 500 bn increase in manufacturing GDP, (assuming a 2x asset turnover) one can expect incremental growth capex of USD 250-300 bn over the next 3-4 years



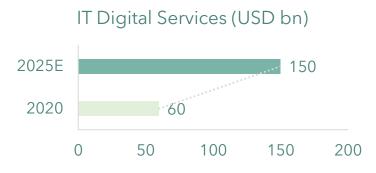


# **TECHNOLOGY**

#### Indian IT sector - set for next growth wave

Indian IT Sector phases	Nature of work by Indian IT companies	TCV sizes
Up to 2000 (Wave 1)	Fixing the Y2K bug and other minor software improvements	NA
2000 - 2008 (Wave 2)	Pioneered offshore with security, data centre management, etc.	30-100 USD mn
2008 - Covid (Wave 3)	Deeper capability in few digital areas, consulting and ERP	500 USD mn
Post Covid (Wave 4)	Transformation of the entire IT enterprise involving Digital, Cloud & ER&D	1,000-2,000 USD mn









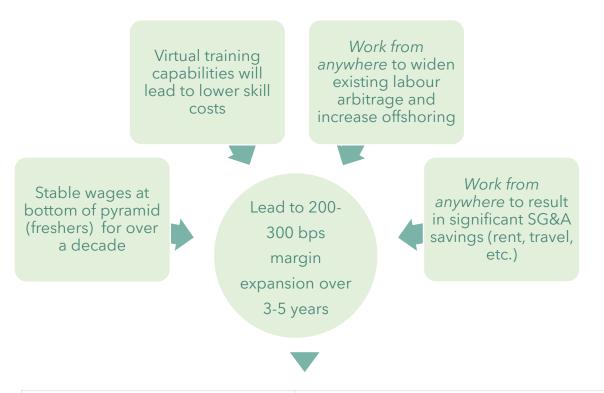
#### 4th wave for IT services commences

Covid has prompted companies worldwide to rethink & *shift*; Indian IT Companies an important clog in the wheel

- Digital spends shifting from discretionary to non-discretionary
- IT spends shifting from legacy capex to cloud based opex
- Demand for digital spending is "global" & supply is only "local"
- IT services exports to grow from USD 165bn in 2020 to USD 250bn by 2025 (Entire growth will be contributed by digital services)
  - Indian IT Companies winning larger then ever before deals (Infosys Vanguard,
     Daimler and TCS Prudential, Postbank and Phoenix, etc..)
  - · Cognizant & Capegemini loosing market share in favour of Indian IT companies.



#### Changing landscape to boost margins



IT outsourcing penetration to increase - Gartner
70% 71% 72% 70% 64% 64% 63% 64% 65% 65% 66% 67% 67% 68% 61% 62% 61% 62% 61% 62% 61% 62% 61% 62% 61% 62% 61% 62% 61% 62% 61% 62% 61% 62% 61% 62% 61% 62% 61% 62% 61% 62% 61% 62% 61% 61% 62% 61% 61% 62% 61% 61% 61% 61% 61% 61% 61% 61% 61% 61

Cost Component	Approx. Current Cost (as % of sales)		
Rentals and Depreciation	100-150 bps		
Travel Expenses	300-400 bps		
Other Overheads	100-300 bps		

As Work From Anywhere gathers pace, IT companies can save a portion of all the above mentioned costs and subcontractor costs

TCS SBWS (secure borderless work-spaces) - "Believe that by 2025, only 25% of associates will need to work out of facilities at any point of time; and will be able to realize their potential without spending more than 25% of their time in a TCS office"



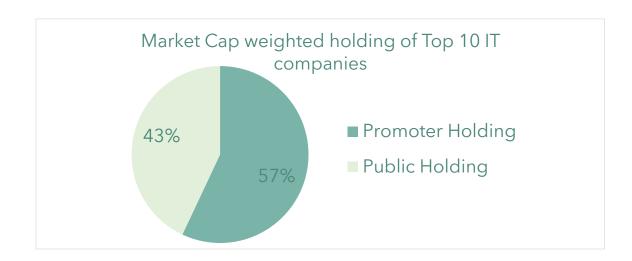
#### "Magic" story in the making

Top 10 Indian IT Companies by Market Cap		
Free Cash flow/PAT	90%	
Capex as % of Cash Flows	13%	
Cash as % of Net worth (excluding JVs)	46%	
Post tax ROIC (Return on Invested Capital)	55%	
Dividend + Buyback Yield (Market cap weighted)	3.2%	

Source: Carnelian Research

Indian IT companies already have strong Balance Sheets and can take advantage of any structural growth drivers without meaningful incremental capex

Low free float and high ESG quotient makes the opportunity more exciting







# Race for digitalization across the world

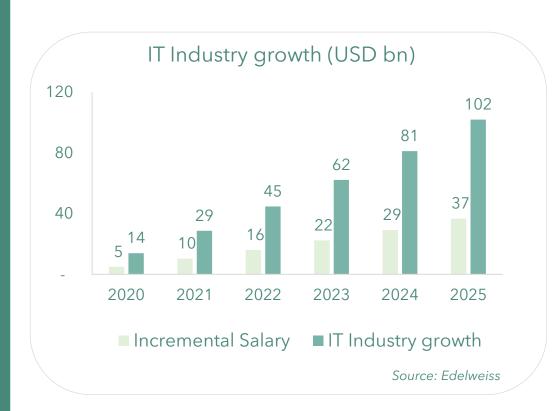
World over, companies across sectors are talking about increasing digital spends

Company	Sector	Recent Comments by Managements
INDITEX	Retail	We are talking about one billion euros over the three-year period in the (digital) platform
NIKE	FMCG	We will invest in digital capabilities in end-to-end technology foundation to accelerate transformation
J.P.Morgan	Banking	Firmwide investment of \$12 billion in technology
Prudential	Insurance	We will continue to invest in transforming our capabilities by accelerating the use of technology
<b>Marriott.</b>	Travel	We are increasingly leveraging technologies and amplifying operational efficiencies
U NOVARTIS	Pharma	We've accelerated our journey to digital
Shell	Energy	Through the current virtual working environment, we have also progressed toward a digitalization

Source: Edelweiss Securities, Kotak Securities



#### 2nd order effects of IT wave to flow



Cumulative incremental salaries of USD 120 bn

Incremental spending of ~USD 40-45 bn, fueling growth across sectors

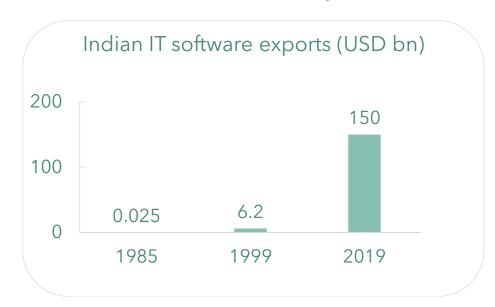
Incremental IT revenues will be sufficient to wipe out our Current Account Deficit



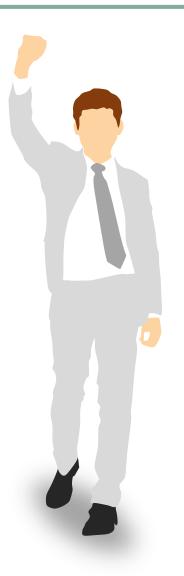


### Trends develop slowly over a period

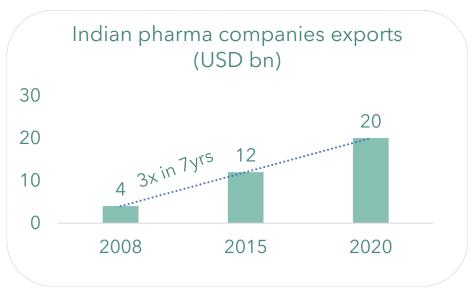
#### Indian IT success story



Year	Co.'s with sales - INR 50Cr+	Co.'s with sales - INR 200Cr+
1995	8	0
1999	75	30



#### Indian Pharma Sector success story

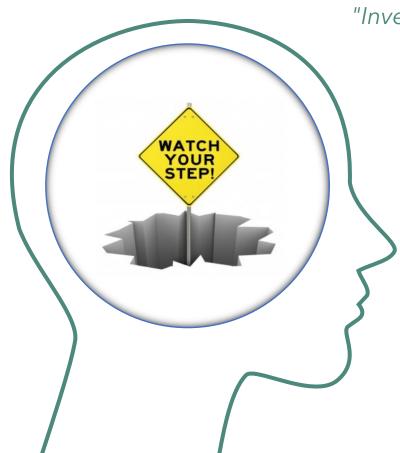


Source: Carnelian Research, Ace equity

- Share in global supply (volume) ~ 20%
- Supplies 62% of global demand for vaccines
- 3,000+ pharma co.'s, 10,500+ manufacturing facilities



### Risk to hypothesis



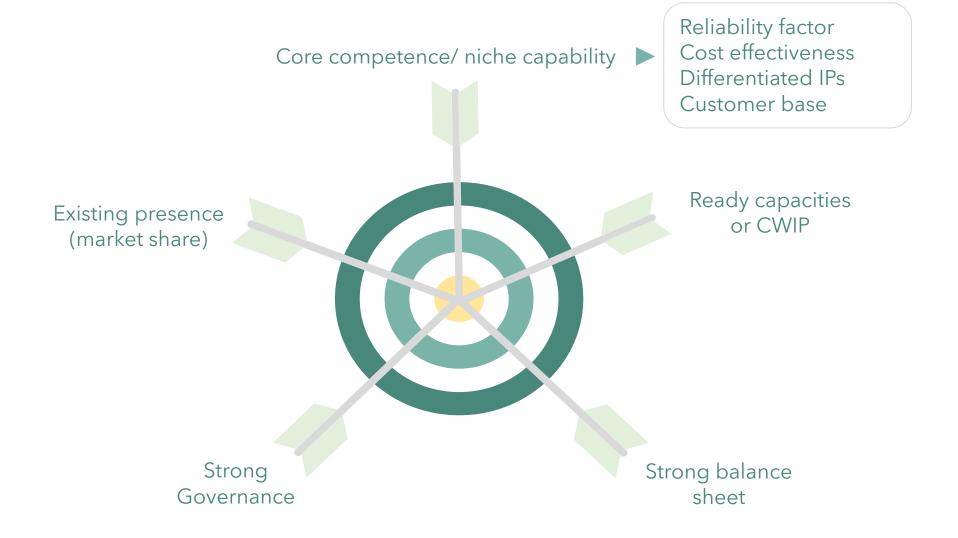
"Invert, always invert. Tell me where I will die, I wont go there."

- Charlie Munger

- Global meltdown of economy affecting overall demand
- World's softening stance against China
- Geo Political risks
- Banking system risks
- Slowing down of reforms and change in government policies
- Significant currency appreciation



# Who will benefit - characteristics of companies







# CARNELIAN INVESTMENT PHILOSOPHY & PROCESS

### Carnelian investment philosophy



We believe in investing in good growth businesses, managed by great managements at fair valuations



We obsess about risk reward and believe in risk adjusted returns



We believe there are certain catalytic moments in the life of a company which can catapult it into a different growth trajectory, if captured well, can generate superior risk adjusted returns



We are happy to be contrarian when risk reward is compelling: mimicking herd = regression to mean



We stringently follow "Carnelian filters" and "forensic checks" to generate sustainable returns & alpha



We believe investing success is an outcome of making good decisions consistently over a long period.

Good decisions = "objective, free of any bias" + consider "probability of outcome" + factor "risk reward".



#### Carnelian investment framework (PIU)

#### WE INVEST IN

# Good Business PROFITS

Profitable
Robust cost leadership
Opportunity & market size
Free cash flow generation
Incremental return on capital
Time tested & easy to
understand
Sustainable moat

# Great Management IMPRESS

Integrity
Modesty & capability
Passionate & driven
Realistic but aggressive
Efficient capital allocator
Skin in the game
Strong governance & risk
management culture

# Favorable Risk Reward US

Upside potential
Safety margin encompassing

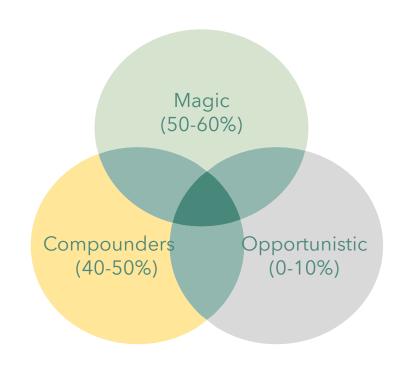
- Business risk
- Balance sheet risk
- Valuation risk







# We see opportunities in 3 baskets..



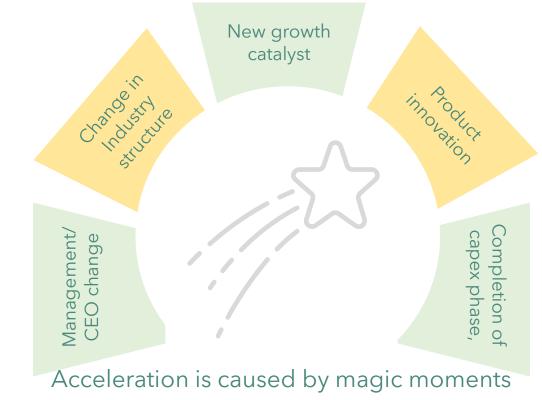
#### We love the Magic basket!

**Carnelian Magic Basket**: Aims at capturing magic moments in the lifecycle of a company resulting in *Growth & Valuation re-rating* (50-60% of the Portfolio)

Invest in businesses with significant acceleration in growth profile vis-à-vis historic growth trajectory with an objective to capture re-rating driven by the following magic moments which is yet to be recognized by the markets

#### Historically,

- Good business + average management/CEO
- Good management + industry facing structural headwinds
- Good management + good business lacking growth
- Good management + low returns due to long gestation investment





#### We like the Compounder Basket

Carnelian Compounders: Superior stable return led by - MRFG (40-50% of the Portfolio)

Invest in stable & sustainable growth, capital efficient businesses with an objective to capture smooth compounding over an investment horizon of 5 years with the following traits:-

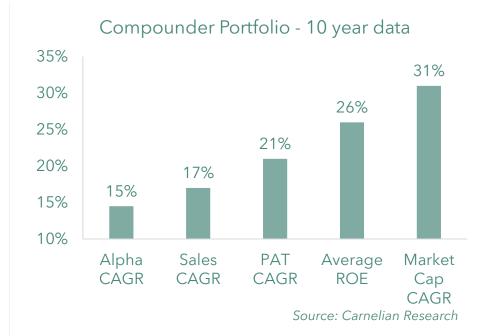
**Moat:** stable business, large opportunity size & sustainable moat

**High ROE** - efficient capital allocation

**Growth & Governance** 

Robust Free Cash flows generation: well established business model tested across cycles

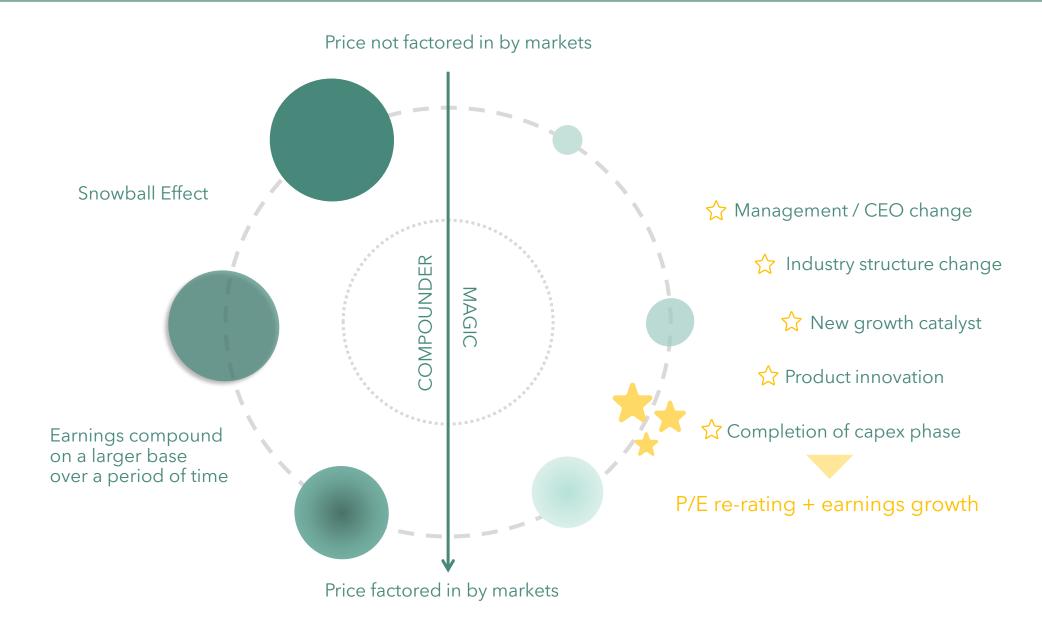




Compounder portfolio has outperformed BSE 200 every year since the last 10 years



# The journey from Magic to Compounder...





#### We look for opportunistic situations



#### Special Situations like

- IPOs, Mergers, Demergers, Open Offer, Buyback, Delisting,
- Potential takeover target,
- Valuation Dislocations Deep value with cash flows





While maintaining risk reward





# **Investment Process**

#### Carnelian investment process



Automated alerts, screeners, filters for each of our baskets
Interaction with ideation partners / industry expert.

Screeners and hygiene check

(Primary & secondary research)

- Annual Reports
- Industry & Business Research
- Financial modeling + Valuation
- Management meeting
- Peer companies and supply chain partner's feedback

"CLEAR" Framework Note in prescribed format

- Industry brief
- Business brief
- Investment rationale
- Risk Parameters
- MRFG
- CLEAR
- Financials and valuation

Accept/reject idea



#### Investment process - ideation

#### Carnelian Magic Basket

- Regular tracking of corporate announcements, open offers to capture change in management, Promoters
- Periodic meeting with corporates, channel checks & calls with Industry experts
- Sudden spurt of revenues, operating profits, margins, improvement in working capital - running of screeners with identified parameters post quarterly and sixmonthly results
- End of capex cycle running screeners for additions in gross block

# -

#### Carnelian Compounder Basket

- Structural screeners covering Carnelian parameters based on 10 years historic data such as revenue/EPS CAGR, ROE, cash flow conversion and debt equity levels above our threshold
- Business should be non-cyclical, non-commoditized with no material regulatory headwinds and not complex either



#### Carnelian investment filters

#### Growth filters

- Minimum expected revenue growth (> nominal GDP growth) > 12%
- Minimum expected EPS growth >15%

# Capital allocation filters

- Minimum threshold ROCE/ROE > 15%
- No significant deterioration in incremental ROCE/ROE

#### Cash flow filters

- OCF to EBITDA conversion >60%
- Source of OCF should be cash profits vis-à-vis increase in payables

# Balance Sheet filter

- Debt/Equity <1.5x, Debt/EBITDA < 2x</li>
- Total liabilities/equity <3x
- Asset quality ratios non core assets as % of net worth <25%
- Asset/Lability mismatch funding long term assets with short term liabilities

### Governance filter

- Avoid companies with material related party transactions (off & on BS)
- Avoid companies with complex holding structure many subsidiaries/JVs
- Low Direct and indirect tax incidence
- Auditors, Independent directors reputation



#### Carnelian forensic filters

Our forensic analysis involves a 2-step approach:

- 1. Carnelian forensic check

  An automated template screening last 10 years of historical data, highlighting potential minesweepers, which get rejected at this stage.
- 2. Forensic deep dive **CLEAR Framework**Subsequently, our dedicated forensic team will deep dive/analyse the annual reports & financials which will be presented in a prescribed format to the Investment Committee (IC).
  - C Cash flow Analysis, sustainable cash flows vs reported cash flows
  - **L Liability Analysis,** True debt vs reported debt, contingent liability & likely impact on future earnings
  - **E Earning Quality Analysis,** True economic profit vs reported profit, discretionary vs non-discretionary profit
  - A Asset Quality Analysis, core vs non-core assets
  - **R Related party transaction & Governance issues**

Any stock not qualifying the above test, will be rejected by the IC







#### Carnelian risk management parameters & process

- Single stock exposure 10%
- Sector exposure limit 40%
- Single promoter group exposure 20%
- Exposure to illiquid stocks (subject to fund mandate)
  - o Usually, 70% of the portfolio that can be liquidated in 5 trading sessions
- Check against human biases
  - Any portfolio stock falling >20% vis-à-vis benchmark requires the PM to revisit & re-evaluate the investment hypothesis & present to the IC within 7 days
  - Any fresh buying in the stock will be halted till IC approval
  - o Stock will be sold if the IC is not convinced with the re-evaluation finding



#### Carnelian valuation & stock exit process

#### VALUATION FRAMEWORK

- Proprietary financial models capturing 5 years earning growth, ROE & cash flow trajectory.
- Relative valuation assigned considering growth, ROE, cash flow and BS health.
- Valuation is compared with industry peers following relative multiple framework P/E & P/B.
- We avoid valuing companies as a multiple to EBITDA, revenue, order book etc

#### WHEN DO WE SELL?

- Material change in initial investment hypothesis
- Error in initial investment hypothesis
- · Valuation stretching significantly outside fundamental valuation zone
- Other lucrative investment opportunities offering better risk reward metrics
- Stock falling > 20% vis-à-vis benchmark & not qualifying the IC post re-evaluation findings



# In a nutshell..

Business Score	Management Score	Valuation Score	Overall Score	Action
				Opportunity
				Wait for "MAGIC "(Change in management)
				Wait for "MAGIC" (Change in business /industry structure)
		W.	M	Wait for valuation correction
	P	P		Avoid





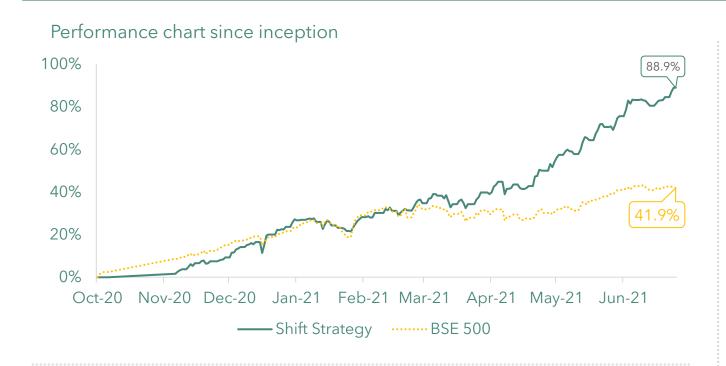
# STRATEGY DETAILS AND PERFORMANCE

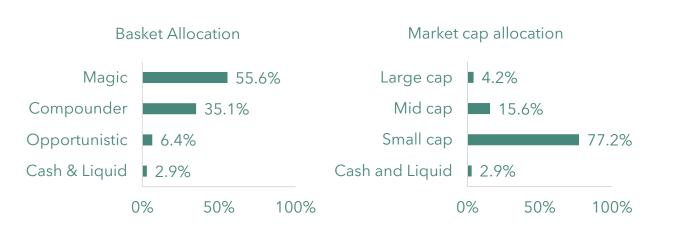
#### Carnelian SHIFT Strategy

- Long only, multi-cap, thematic strategy designed to capture two major structural shifts in Indian economy namely, manufacturing and technology
  - Mainly targeting mid cap & small cap companies with existing core competence/niche capability along with strong BS, governance and return ratios
  - 2/3<sup>rd</sup> of the strategy will focus on manufacturing & 1/3<sup>rd</sup> on technology
- Fundamental growth driven investing; bottom-up stock picking
- Absolute return-oriented approach
- Unique & unconventional blend of companies Magic (accelerated growth), Compounder (stable growth) & Opportunistic
- Apply stringent Carnelian filters & forensic checks (CLEAR framework)
- Stock universe: 20-25; Benchmark against BSE 500
- Available in PMS format only



# Shift strategy portfolio attributes





<b>Cumulative Performance (%)</b>			
Return	1M	3M	Inception*
SHIFT	10.6%	37.3%	88.9%
BSE 500	1.9%	9.5%	41.9%

Absolute, non-annualised

Above mentioned returns are post management fees and pre tax.

Portfolio Fundamentals	
Portfolio ROE FY23E	20%
Portfolio Earning CAGR (FY21-23)	40%
Portfolio PE FY23E	24X
Portfolio Beta	0.8
PEG Ratio	0.6
Positive alpha / total month	78%
Max. Drawdown	-0.6%

Size	% Deployed	Average Market Cap*
Large cap	4.2%	28,253
Mid cap	15.6%	4,139
Small cap	77.2%	974
Cash and Liquid	2.9%	_
Total	100%	2,588

<sup>\*</sup> Market cap is in USD mn.



#### Qualitative attributes of SHIFT portfolio

- 1. Portfolio companies have a proven track record of over 10 years
  - with strong balance sheet & return ratios (portfolio ROE at 20% for FY2023) and negligible leverage
- 2. Run by proven and capable management with promoter's interest aligned with minority shareholders
- 3. Portfolio comprises a mix of domestic run companies and MNCs. Many of the small/mid cap names are run by large established business groups providing additional comfort
- 4. Most of the portfolio companies are sector leaders (top 2 players) with a large opportunity size
- 5. Most portfolio companies have attributes to become multibaggers over time.



#### Disclaimer

This document has been prepared by Carnelian Asset Advisors Private Limited ("Carnelian") and is provided to you for information only. This document does not constitute a prospectus, offer, invitation or solicitation and is not intended to provide the sole basis for any evaluation of the investment product or any other matters discussed in this document. This document is made available to you because Carnelian believes that you have sufficient knowledge, experience and/or professional advice to understand and make your own independent evaluation of the risks and rewards of the investments and/or other matters discussed in this document and to make your own independent decision whether to implement the same. Any view expressed in the document is generic and not a personal recommendation and/or advice. It does not consider your risk tolerance, financial situation, knowledge and experience. Please discuss with your investment advisor if you seek advice on whether the proposed investment product are appropriate for you. The investments discussed in this document may not be suitable for all investors. Investments are subject to market risk. There can be no assurance or guarantee that any investment will achieve any specific return. Unless expressly stated, product performances are not quaranteed by Carnelian or their affiliates or any government entity. Past performance is not necessarily an indicator of future performance. Actual results may vary significantly from the forward-looking statements contained in this presentation due to various risks and uncertainties, including the effect of economic and political conditions in India and outside India, volatility in interest rates and the securities market, new regulations and government policies that may impact the business of Carnelian as well as its ability to implement the strategy. The information contained in this document has been obtained from sources that Carnelian believes are reliable, but Carnelian does not represent or warrant that it is accurate or complete, and such information may be incomplete or condensed. Neither Carnelian, nor any affiliate, nor any of their respective officers, directors, partners, or employees accepts any liability whatsoever for any direct or consequential loss arising from any upon this document or its contents, or for any omission. The views in this document are generally those of Carnelian and are subject to change without notice, and Carnelian has no obligation to update its views or the information in this document. Carnelian or its affiliates may have acted upon or have made use of material in this document prior to its publication. Carnelian does not provide legal or tax advice and should you deem it necessary to obtain such advice, you should approach independent professional tax or legal advisors to obtain the same. This document is confidential and may not be reproduced or disclosed (in whole or part) to any other person without our prior written permission. The manner of distribution of this document and the availability of the products may be restricted by law or regulation in certain countries and persons who come into possession of this document are required to inform themselves of and observe such restrictions. This document is not directed to, nor intended for distribution or use by, any person or entity in any jurisdiction or country where the publication or availability of this document or such distribution or use would be contrary to local law or regulation, including for the avoidance of doubt the US. The contents of this document have not been reviewed by any regulatory authority in India or in any other jurisdiction. If you have any doubt about any of the contents of this document, you should obtain independent professional advice. The name of the strategy does not in any manner indicate the quality of the strategy, its future prospects or returns. The product strategies mentioned in the document may change depending upon the market conditions and the same may not be relevant in future. The sector(s)/stock(s)/issuer(s) mentioned in this document do not constitute any recommendation of the same and the strategy may or may not have any future position in these sector(s)/stock(s)/issuer(s). This strategy and this presentation have been prepared for potential investors in India and may not be published or distributed in the United States. This strategy does not constitute an offer of units for sale or the solicitation of any offer to buy Units in any jurisdiction, including the United States.



#### Contact us



Carnelian Asset Advisors Private Limited,

B -1405, One BKC, G Block, Plot C-66 Bandra Kurla Complex, Bandra (East), Mumbai-400051.







swati@carneliancapital.co.in

