

SEC/SE/016/2023-24 Date: May 14, 2023

To

National Stock Exchange of India Limited

Exchange Plaza, Bandra Kurla Complex,

Bandra(E),

Mumbai -400051

NSE Symbol- DATAPATTNS

To

BSE Limited

25th Floor, P.J. Towers,

Dalal Street,

Mumbai- 400 001

Company Code: 543428

Sub: Submission of Investor Presentation

Dear Sir/Madam,

This is further to our letter no. SEC/SE/013/2023-24 dated May 12, 2023 intimating the schedule of earnings conference call with Analysts/Investors to be held on Monday, May 15, 2023. In this regard, Please find attached the Investor presentation towards the same.

You are requested to take the above on record and oblige.

Thanking you

For Data Patterns (India) Limited

Prakash R Company Secretary and Compliance Officer Membership No. A34652

Encl as above

DATA PATTERNS (INDIA) LIMITED (Formerly known as Indus Teqsite Pvt. Ltd.)
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Investor Presentation Q4 and FY23

May 2023



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Agenda



1 CMD's Message

FY23 Order Book Build Up

2 FY23 Achievements

5 Financial Performance

3 Outlook for Next 2 Years

6 Corporate Overview

CMD's Comment on FY23 Performance





Mr. Srinivasagopalan Rangarajan Promoter, Chairman & Managing Director

'This year we achieved excellent results with a 32% YoY growth in PAT. Our order book is up 94% at Rs 924 crores. We have also significant investments on human capital infrastructure during the last year. As communicated at the time of IPO, we have smoothened the business. Accordingly, the impact of Q4 on revenues have reduced from 70% in FY20 to 41% currently. As a result, we can see that full year growth is now more representative of our performance. Aligning with the sectoral opportunities, we are actively pursuing new product development. With the successful completion of the QIP of Rs.500 Cr., we have positioned ourselves for substantial revenue growth through new products in the domestic and international markets in the coming years.'

FY23 Highlights: Revenues up 1.5x; Highest ever order inflow



Strong order book as on 31st March 2023 at Rs 9,241 mn

Order inflow in FY23 of Rs 9,014 mn, grew 3x YoY

Revenue grew 46% YoY to Rs 4,534 mn EBITDA showed 22% growth at Rs 1,718 mn

PAT at Rs 1,240 mn, 32% increase YoY

Gross Margins at 62% and EBITDA Margins at 38%

Revenue CAGR: 36%; EBITDA CAGR: 61% over FY19-FY23

Strong Balance Sheet; Net Debt Free Company

Cash and cash equivalents - Rs 6,825 mn

Return Ratios - RoE and RoCE at 17% and 22% respectively without QIP funds

Rs 181 mn Dividend Paid; DPS was Rs 3.5

New Manufacturing facility is commissioned in Q4FY23

FY23 Recommended Dividend - Rs 4.50

Successfully completed QIP of INR 5,000 million – funds to be utilized for new product developments (Radar, EW, Communication and satellite)

Growth Drivers:

- Created additional world class infrastructure to deliver complete systems
- Government policies for Make in India
- Investment in complete products through QIP Proceeds

What We Look to Achieve in Next Two Years



- Targeting larger opportunities in Radar, EW,
 Communication Systems and Satellite
 business
- Expects to be a major participant for Rs20-30
 bn worth of contracts in the next 3-4 years
- Efficient execution to promote operating leverage; Should drive strong EBITDA and PAT margins
- Exploring further opportunities in export market; Working in collaboration with domestic players

Strong Topline
Growth: 25%+ CAGR

Sustainable High
EBITDA Margins:
~40%

Maintain Net Debt
Free Status

Maintain Strong Order Pipeline

High Returns to Shareholders: ROE and RoCE - 20%+

Strategy for next phase of growth



Model to Proprietary Product Development

MOD Business



Proprietary Products



Leverage existing competencies to mitigate product development risk



Compete in areas with Foreign OEM presence



Complete systems







MOD tenders open to industry GOI committed to buy from Indian companies Increasing Indigenization



- Revenue Scalability and Sustainability
- Potential to bid for larger full systems contracts *Re-use developed products for global expansion/ multiple programmes*
- **Better Margins** Cost advantage given products developed in India

Key Differentiators for Data Patterns

Leveraging existing competencies

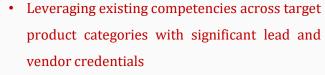


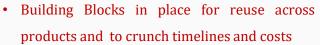












• Focus on Key product categories with significant presence i.e Nano/Micro Satellites Radars, ESM and Communication systems



Make in India **Advantage**



Alternative to foreign OEM products

- · Cost advantage compared to players who may have to collaborate with foreign **OEMs**
- Better pricing can lead to better win rates
- Products developed in India better PWIN

Focus on Key Product verticals



1

Product

Satellite

Demonstrated Capabilities

Potential Opportunity

- Designed and launched compete satellite in India
- Capabilities to design payloads like ESM, Imaging (RF and ESM), other remote sensing, others
- Comprehensive exposure to Ground stations including Radars and Command control, high speed communication links, etc
- Implemented capabilities for large satellites

- Large market for Defence and LEO satellites (Domestic as well as International)
- Focus on Micro Satellites
- Being Made in India its cost effective

Existing Successful development



Nano Satellite



Antenna Tower



Satellite Integrated Testing



Satellite Internal View



Thapsat Satellite

2

Radars

- Designed building blocks to complete radars systems in India
- Re-use already developed building blocks to meet timelines
 - Building Blocks in Signal Processing, Antenna, Transmit/Receive modules, etc.
 - VHF, S, C and X Band, Gimbal, algorithms, Radar display, consoles, etc

- Focus on Fire Control Radars, X-Band Radars and smaller Radars for UAVs
- Cost competitive with in-house IP
- Export Potential





Single Board Computer-Next Gen



Wide Band Digital Receiver



DTRM



Antenna PCB



Antenna Assembly fixture

Focus on Key Product verticals



Product

Demonstrated Capabilities

Potential Opportunity



Electronic Surveillance & Monitoring

- Developed state of the art ESM Receivers from 1MHz to 40GHz
- Both COMINT and ELINT including DF can be used in
 - Truck Mounted Systems / UAV Based ESM Systems
 - POD based jammers / Comm Jammers / Stand Off Jammers
- Potential large market with future tenders
- Requirement across Army, Air Force and Navy

Existing Successful development



Radar Warning Receiver



ELINT DF System



V/U/SHF Monitoring Receiver



VHF/UHF/SHF Receiver Processor Exciter



5 Channel Search Receiver



Communication Systems

- Developed SDR Platform for
 - Fighter Aircrafts
 - Radio Relay for Airborne Platforms/UAVs
 - Radio Relays

- Military Radars, Radio Relays, etc. are being procured under emergency Fast Track procurement
- Large volume requirements
- Requirement across Army, Navy and Air Force

Existing Successful development



Communication / Data Link



Programmable Radio Hardware Platform Type I & II



Radio Relay

Order Book Buildup in FY23



Order Book as on date is Rs 9,241 mn



Current order book Rs. 10,080 mn including the orders finalised in Apr and May 2023

We are participating in large value tenders with MoD under Make 1 and 2 categories.

Q4 and FY23: Financial Performance

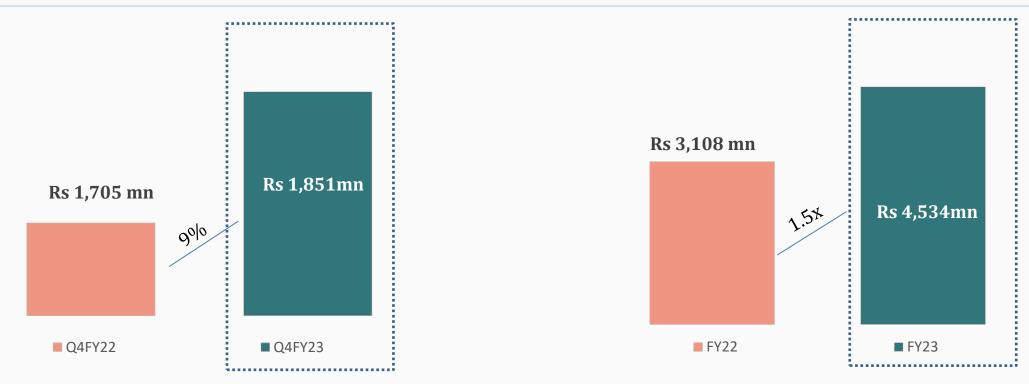


Particulars (Rs. Mn)	Q4FY23	Q4FY22	Q3FY23	FY23	FY22
Revenue from Operations	1,851	1,705	1,118	4,534	3,108
Gross Profit	1,070	1,108	742	2,825	2,247
Gross Profit Margin (%)	58%	65%	66%	62%	72%
EBITDA	733	875	470	1,718	1,409
EBITDA Margin (%)	40%	51%	42%	38%	45%
Depreciation / Amortization	22	19	21	84	66
EBIT	711	856	449	1,634	1,343
EBIT Margin (%)	38%	50%	40%	36%	43%
Other Income	38	25	19	92	40
Finance Cost	28	35	21	77	110
PBT	721	846	446	1,648	1,273
Tax expense	168	230	113	408	334
Profit(Loss)for the period	554	616	333	1,240	939
PAT Margin (%)	30%	36%	30%	27%	30%
EPS (Rs)	10.5	12.7	6.4	23.8	19.5





Revenue - Q4FY23 and FY23



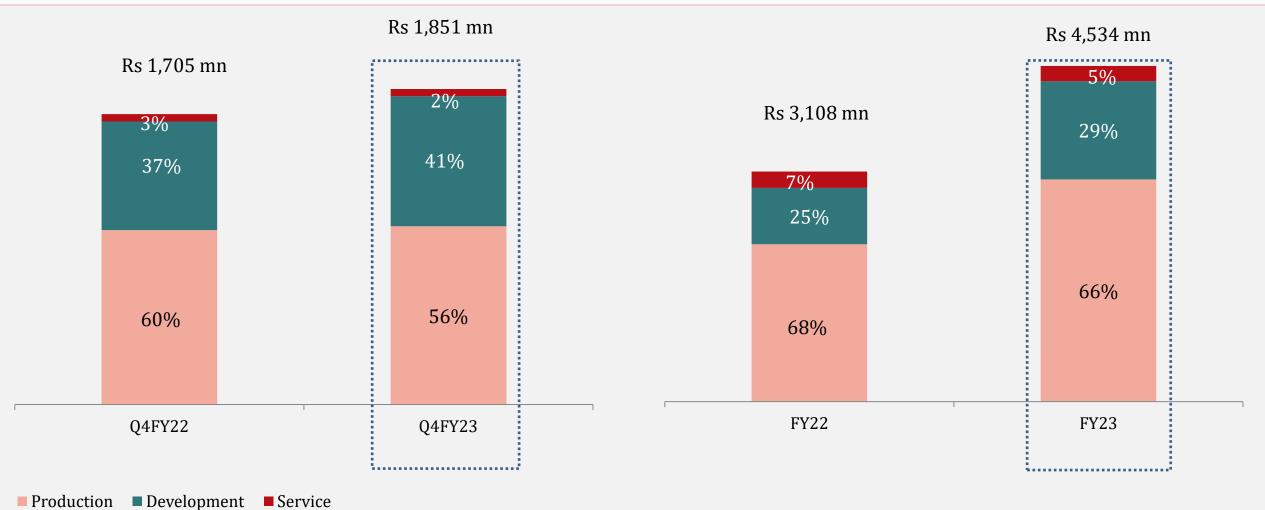
- Business Smoothened: Less Dependency on Q4
- Annual Numbers are more representative of business than quarterly numbers

Diversified Revenue Profile



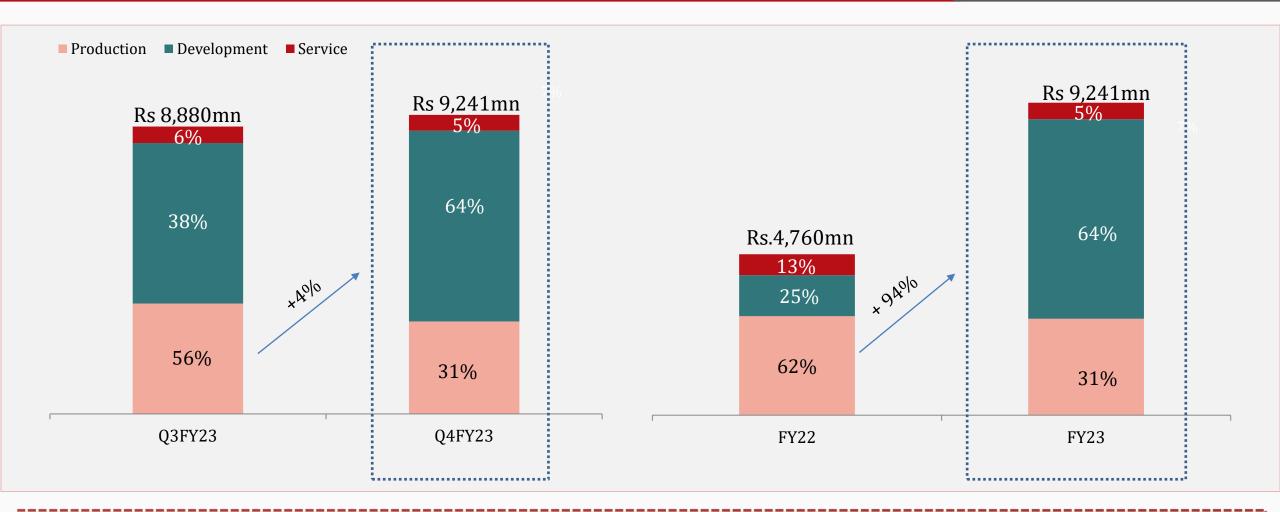
Revenue growth across all the three categories

Revenue in INR mn Rs 1,851 mn Rs 4,534 mn



Order Book grew Exponentially





- Developmental contracts/order book translates to strong production revenues
- Company is focussing on growth driver for medium and long term by taking several development contracts.

Q4FY23: Revenue Breakup

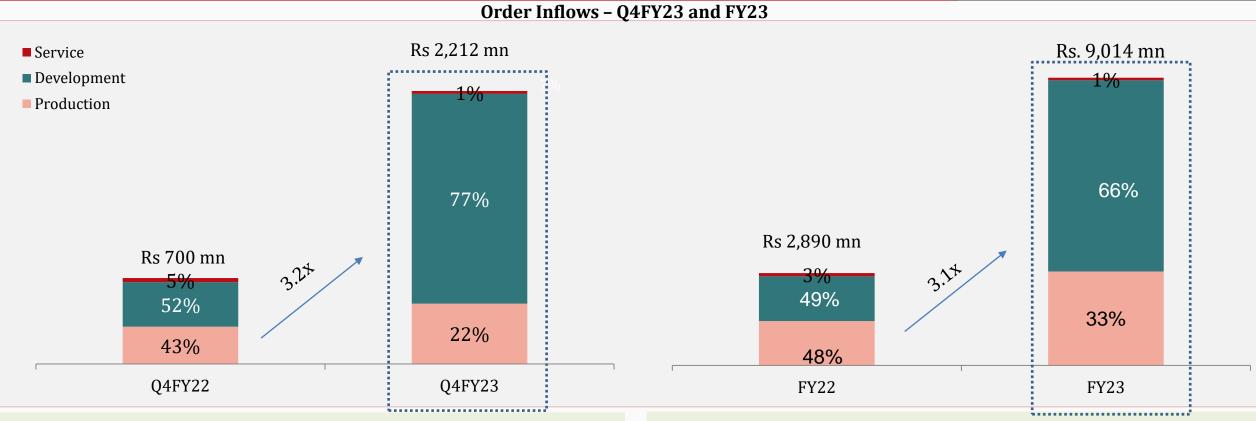


Product	Rs mn
ATE	338
AVIONICS	103
Nano Satellite	30
Naval/ Naval System	28
EW	274
Radar	1,000
Radar Processor	12
AMC/Service	65
Total	1,851

Customer	Rs mn
BEL	25
Brahmos	92
DoS	79
DRDO	784
Export	243
HAL	1
MoD	566
AAI	14
Others	47
Total	1,851

Highest Ever Order Inflow





Major order received in Q4FY23

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Product	Customer	Order Type	Value (Rs mn)	
Radar	DRDO	Development	830	
EW	DRDO	Development	530	
Tank	DRDO	Development	345	
ATE	BRAHMOS	Production	41	
Avionics	DRDO	Production	68	

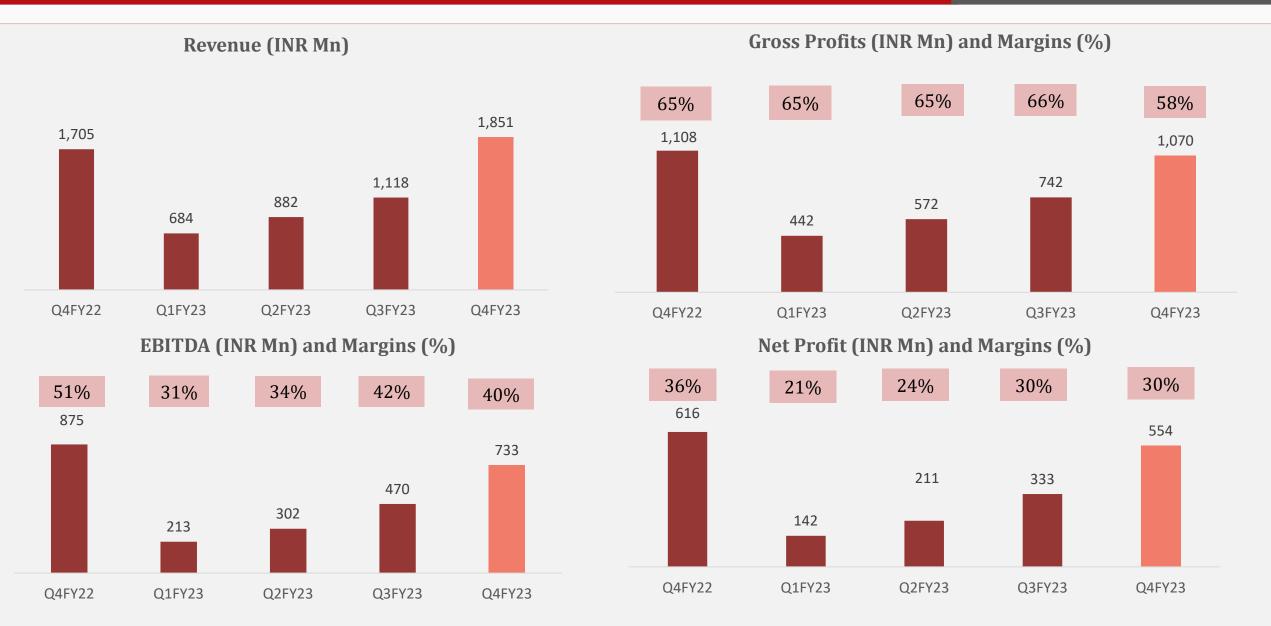
Major order received in FY23

Product	Customer	Order Type	Value (Rs mn)
Radar	DRDO	Development	4,489
Avionics	HAL	Production	737
EW	DRDO	Development	530
Tank	DRDO	Development	345
FCS	Brahmos	Production	400

Q4 and FY23 Earnings Presentation

Robust Performance: Supported by Strong Financials





Investment in Business



Investment in Our People

- ✓ We hired 250+ staff in FY23
- ✓ Plans to hire 100 more engineers in the next year

Investment in Facility



- ✓ Spent Rs 44 Cr on new facility
- ✓ The facility is operational from March 2023 onwards

Investment in Technology



- ✓ Successfully completed site acceptance test of 4 Precision Approach Radar.
- Nominated as Development and Production Partner for Dornier upgrade
- ✓ Actively pursuing new technology development with QIP Proceeds



Corporate Overview

Data Patterns - One of the fastest growing companies in the Defence and Aerospace Electronics sector in India...



Among the few vertically integrated defence and aerospace electronics solutions providers catering to the indigenously developed defence products industry

Vertically integrated defence and aerospace electronics solutions with end to end capabilities and a large addressable market

Defence Aerospace

35+ Years of experience

Focused on in-house development and manufacturing facilities led by innovation and design and development efforts

Design to Delivery

Products supplied for programmes

LCA-Tejas, Light Utility

Helicopter, BrahMos missile

Beneficiary of shifting procurement trends in Defence – Aatma

Nirbhar Bharat , Make in India, new defence acquisition policies among others

TAM of USD 4.65 bn by 2030 growing at CAGR – 9% from 2020*

Increasing indigenization,

Domestic defence procurement, Higher share of electronics in warfare

Diversified order book with marquee customers along with state of the art manufacturing facilities

Rs. 1,787 mnOrder book as of Apr'18

CAGR - 39+%

Rs. 9,241 mn

Order book as on March'23

5 Experienced management team and skilled workforce

Many senior personnel associated with Company for more than 2 decades

1,130 employees with more than **700** qualified engineers

Excellent Revenue growth in FY23 with margins at normal expected level, EBIDTA margin, ROCE and ROE (FY23) amongst key Indian defence and aerospace companies

36%Revenue CAGR
(FY19-FY23)

62% Gross Margin% (FY23) 38% EBITDA% (FY23)

22%**

RoCE (FY23)

17%**
RoE (FY23)

One of the fastest growing companies in the Defence and Aerospace Electronics sector in India

^{*}addition of market size of specific industries from the DRHP

^{**} Without considering QIP funds raised in March, 2023

Evolving as a product company with a strong lineage





Leading to development of multiple products **in-house** over the years

- Developed a **Fire Control System** for Brahmos
- Developed Glass Cockpit Displays / Avionics
- Designed & developed the launch pad countdown system
- Designed and developed Primary Surveillance Radar
- Developed ESM¹ receivers, Satellite and Ground Station

3 Decades of experience in defence & aerospace industry





Focused on in-house development with end to end design capabilities

- used on multiple end systems
- across platforms space, air, land and sea



Investment in infrastructure and **people** to scale up

- **Rs 450 Mn** spent on the new facility; Fully operational
- To double manufacturing space and infrastructure
- Hired **250+ employees in** FY23





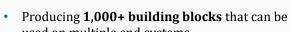
Product portfolio expansion leveraging existing building blocks

- Build on current product portfolio in areas such as
 - Radar
- Satellites
- **Electronic Surveillance & Monitoring (ESM)**
- Communication
- Develop capabilities for large order sizes



IPO: **Dec 2021** Various product wins and healthy build up of order book

- Breakthrough in end to end radar integration Rs 3.6 bn order to develop space surveillance radar for DRDO
- **Tender wins** competing against large public as well as private Indian defence and industrial conglomerates
- **L1 in** Dornier Upgrade program in Radar and ESM
- Order book of Rs 8,880 Mn as of Dec-22



• Development of **complete systems / sub-systems**

Competencies built over the past 30+ years



Reusable building blocks

End-to-end capabilities

Produces 1,000+ building blocks that can be used on multiple end systems in defence and aerospace



Building blocks have laid the foundation of own products



Setup the complete system from building blocks, designed in-house with IP



Spreading out the development costs over multiple programmes



COTS Components are fast becoming the building blocks of defence equipment

Among the few Indian company having design capabilities across the entire spectrum of strategic aerospace and defence electronics solutions¹



In-house Design to Delivery



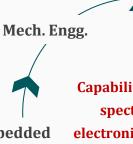
Complete systems
/ sub-systems



Processers

Across platforms – space, air, land and sea

Capabilities built over 3 decades



Capabilities across spectrum of

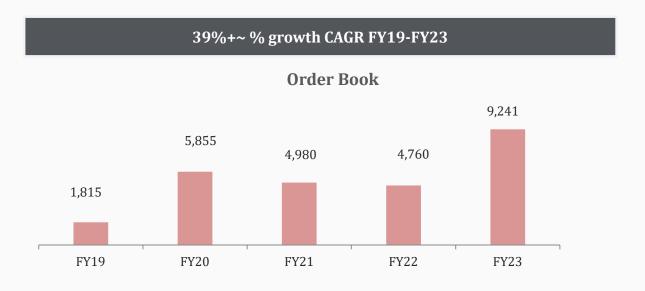
Embedded electronic solutions
Software

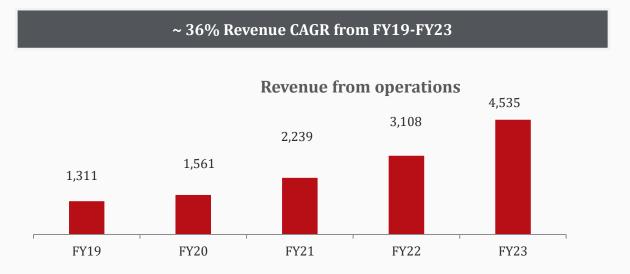


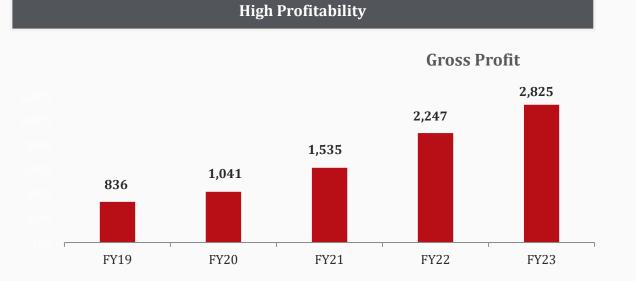
Firmware

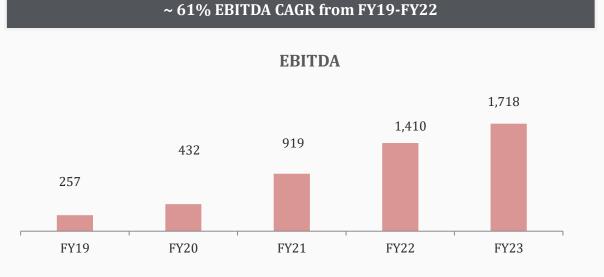
With a Consistent Track Record of Profitable Growth











Growing Profitability



Improving PAT Rs mn 1,240 939 556 210 77

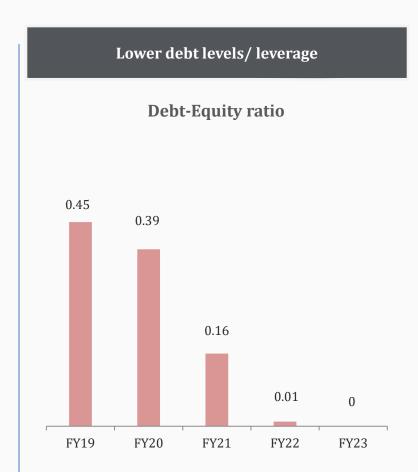
FY21

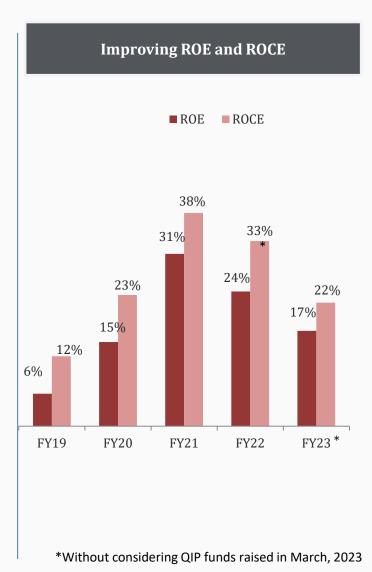
FY22

FY23

FY19

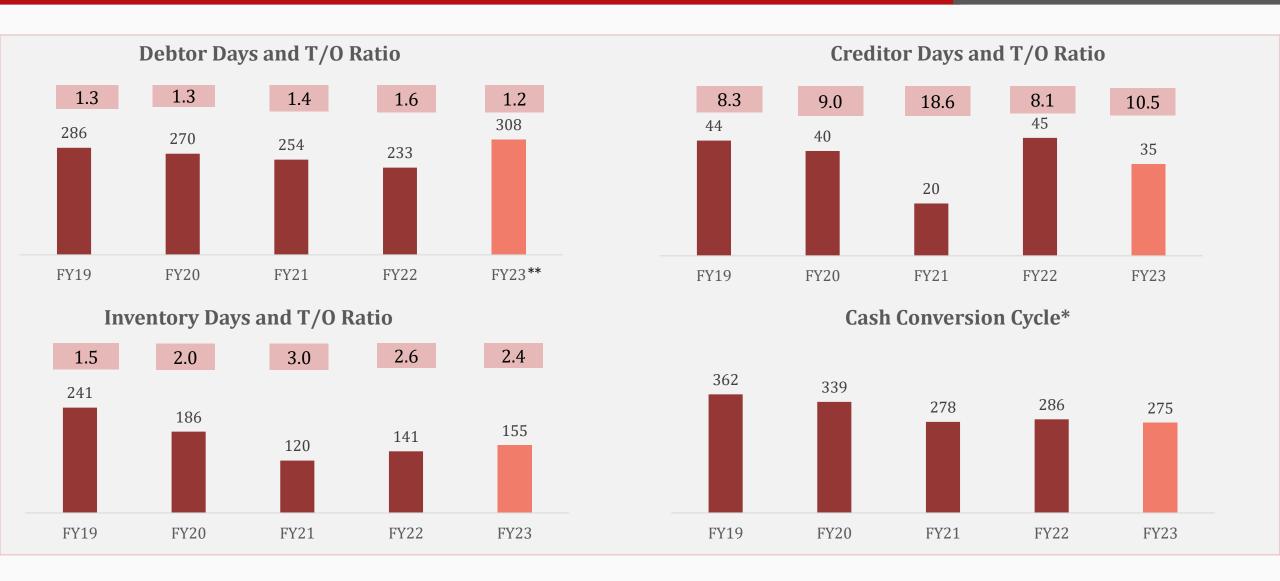
FY20





Well Managed Working Capital





^{*}Cash conversion days is after adjusting advance received from customers **Company has realized Rs. 831 Mn in April 2023 out of March receivables

Through Well-Invested and State of the Art Manufacturing Facilities



~ 5.75 Acres

Of land in Chennai, SIPCOT area

~ 200,000 sq. ft

Aggregate of built up area of manufacturing facility

~2.81 acres

Land for proposed expansion



Environmental Certification

- ISS5555
- MIL-STD-461
- MIL-STD-810 including for Highly Accelerated Life Test / Highly accelerated stress screening.

Key features of manufacturing facility

- ✓ 100,000 class clean room
- ✓ Electronic assembly facility
- ✓ BGA repair work station with display
- ✓ Manual soldering certified to Space grade standards
- ✓ EMS assembly capacity of 600 boards per day
- ✓ Capability to handle complex boards with 22 layer, 6k components and 21k solder points
- ✓ Dedicated 70 work stations for testing modules and small systems
- ✓ Harness preparation of 2k points per day
- ✓ 20 Dedicated Mechanical assembly stations to assemble small and large systems

and various others...

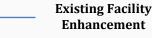
Our systems and processes are subject to periodic audit by customer such as

- ✓ Indian Government Space Organization
- ✓ Hindustan Aeronautics Limited (HAL)
- ✓ Other Government departments

Manufacturing facility at Chennai, India









- Large Systems Integration Hangar
- Complete Radar Integration
- Electronic Warfare Vehicle Integration
- Additional Test Facility
- Augmented Environmental Test Infrastructure



- Augmented Design & Development Facility
- Additional Space For Design and Development Resources
- Clean Room for Satellite Integration
- Additional EMS Line
- Multi Ton material handling



EMS Line



Multizone Reflow Oven



X ray inspection system

Diverse Product Offering

· Small and Nano Satellites



Select Product offerings Category **Select Product offerings** Category COTS modules designed **BrahMos Commercial** Fire control systems in context of reusable off the shelf **Programme** building blocks for Mobile autonomous launcher (COTS) building Military · Airborne launcher and Electronics systems VPX Zynq VPX Multi High Density DIU • Other electronic systems with a quick turnaround MPSoC based core SBC Missile Checkout Quad Core Air Version Launcher for time Brahmos Sukhoi-30 System Light Utility Helicopter Cockpit display Digital Direction Finder Radar Warning Receiver Surveillance and **Avionics Electronic** Avionics displays used on: Warfare intelligence gathering ("SIGINT") • Light Combat Aircraft ("LCA"), Airborne Radar Warning Receiver • Intermediate Jet Trainers Further divided into • Light Utility Helicopters ("LUH") **COMINT** and **ELINT** Surveillance radars Weather radars Coastal Surveillance Radar • Underwater electronics / Communications / Other Systems **Radars** Communicati ons, ATEs and Satellites Automated Test Equipment (ATE)

Automated Test

equipment for INS Shikra

Oceanography

Product

Over Last Three Decades





Launch pad countdown system



Fixed Wing Cockpit Displays



TERLS Tracking Radar



C-Band Tracking Radar



Wind Profile Radar

Designed and developed

complete Radar Capability



Micro Satellite Designed wide open RWR and **ELINT** for airborne platforms



- Initiated expansion of manufacturing facility with doubling of available floor area
- Building of capacity to handle large and heavy equipment and integration of large radars and mobile EW systems, satellite integration facility

Developed Glass Cockpit **Displays / Avionics**

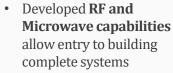


- Developed a Fire **Control System** for Brahmos
- Designed & developed the launch pad countdown system



Fire control system for the BrahMos







RF & Microwave **Products**



Coastal Surveillance Radar (Dept. of Space)



Data Patterns has a long history

• Developed EW receivers, Satellite and Ground Station



Expanding capacity



Wideband Fast Scan receiver



V/UHF Monitoring Receiver



V/UHF Search Receiver



Precision Approach Radar

A De-Risked Business Model



1 Developmental Contracts

DRDO



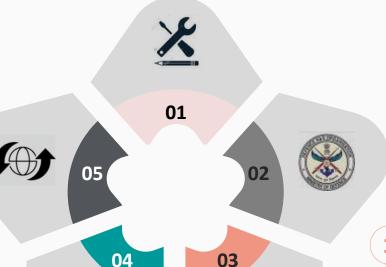
Defence PSU

5 Exports / Offsets

Available
Products /
Systems

Radars, Electronic Warfare, Fire control systems, Avionics, Missile Seekers,
Communications, Small satellites

Projects leads to Production / Repeat requirements
Programs leads to Annuity requirements



2 MoD Tenders

Available Products /
Systems
Partnership with
OEM



Requirements is for large numbers and longer timeframe

4 Civilian Requirements

Satellites and Wind profile radars

- Ability to build nano satellites
- Wind profile radar similar to the radar developed by our company is now required by government meteorological department in the civilian space





3 Indian Defence Eco-system

Platform /
Weapon System
Development

- Develop Sensors, Electronics, Avionics
 - In-house
 - In partnership with OEM

Progress around Defence modernization programmes





Dharashakti programme

- Received single vendor orders from DLRL for development and supply of all of the COMINT / ELINT search receivers, Direction Finder & Monitoring / Search receivers.
- In a position to be an OEM for the entire receiver systems



Radar Warning Receivers / ESM

• Part of the Radar Warning Receivers / ESM for the Airborne Early Warning System ("AEW &C") to DLRL which has been fitted on the Embraer early warning radar developed by Centre for Air Borne System ("CABS")



MI 17 Upgrades, Dornier Upgrades, Aerostat upgrades,

• Expertise gained in the Dharashakti project would also position to cater for airborne COMINT and ELINT equipment for various upgrades of any new rotary wing programmes



Next Gen completely wide open for LCA Mk IA and Sukhoi 30 platforms

- Likely to deliver Next Gen completely wide open for LCA Mk IA and Sukhoi
 30 platforms subject to flight testing.
- After flight testing, these can be fitted on the LCA MK IA on order as well as the Sukhoi 30 upgrades, attack helicopters, etc.



Airborne surveillance radar

 Has delivered an airborne surveillance radar (all of the hardware) to LRDE (Testing completed) and will be likely inducted in Navy's Dornier upgrade and new helicopter programmes



Arudhra Radar

- Expected to supply multiple units of AGRU/ Arudhra radar
- Likely to generate revenues in the next few years based on the requirement projection of IAF



Ashwini LLTR

- Partner in development of these radars as a single vendor incl. TR modules, AGRU, signal processor, etc
- Expected to realise revenue in the next few years.



Light weight ESM requirements

 ESM capability will help in supplying products for Light weight ESM products which have a heavy requirement in mountainous borders as they are not adequately covered

Well-Positioned to benefit from Make in India Opportunity



Focused on designing & developing indigenized products making it a beneficiary of India's "AtmaNirbhar" defence structural reforms



Focused on designing and building own products across the manufacturing value chain to developing products and sub-systems



Well positioned to rapidly commercialise or **scale-up a number of existing products or building blocks to end systems** or complete solutions



Concentrate on building complete systems from the building blocks and sub-systems already developed, provides a **higher value addition while distributing development costs**

Examples:



Wind profile radar built for Cochin University of Science and Technology is the world's first 205MHz radar – complete in house development



Using the experience of working with DRDO and development of wind profile radar, the company successfully bid and won a contract of Rs 380Cr from Ministry of Defence for nine precision approach radars for Navy and Airforce which are currently at delivery stage



Developed and deployed our first Nano Satellite in 2017



Subsequently received contracts to build 2 more Nano Satellites



Developed and supplied Military COTS type processor for DRDO



Subsequently redeployed for other projects by various DRDO laboratories including in naval applications in ships & helicopters

Defence Modernization Program



Arudhra Radar



Light weight ESM requirements



Ashwini LLTR



Airborne surveillance radar



Dharashakti programme



Radar Warning Receivers



Driven by Innovation Focused Business Model



Focused on in-house development led by innovation and design and development efforts



Building complete systems from the building blocks and sub-systems already developed



Partner with customers through the life cycle of a product, from conception till deployment and thereafter



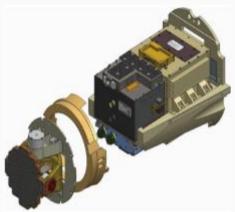
450+ engineers, most of whom have served in design and development departments

Track record of utilizing pre-developed building blocks and sub-systems in the development of complete systems

Present programmes with building blocks Designed & Developed by Data Patterns...

- Military grade processor modules,
- Cockpit displays,
- Actuator controllers for missiles and torpedoes,
- Flight control computers,
- Digital receivers and
- Up/Down converters radars

- Airborne phased array radar
- Frequency hopping radio relays
- ➤ Next generation EW products
- ➤ Integrated EW solution for



... along with "Future Ready" products already designed and developed by the company

Key Products manufactured and delivered by Data Patterns

S.No	Product(s)	Details		
1	Monopulse RF Seeker	Delivered prototypes to DRDO		
2	IX-Band Donnier Weather Badar	Prototype installed in Chennai for meteorology department		
3		Installed at Cochin for a government owned university		
4	Radar for Naval Utility Helicopter	Prototype delivered to LRDE		
5	A Next-Generation Software Defined Radio for fighter aircrafts	Prototype developed for DEAL		
1 6	A Next-Generation Radar Warning Receiver for fighter aircrafts	Prototype developed for DLRL		
7	A Next-Generation COMINT	Prototype developed for DLRL		
8	Precision Approach Radar	Delivered to AF		
9	Nano Satellite	Being delivered to industry		
10	Power PC Card	190 nos delivered to HAL		
11	WBLRU	Delivered to DRDO		

Servicing Marquee Clients



Marqee customers in the Indian defence & aerospace ecosystem

Government Departments

Ministry of Defence



Indian government space organisation **Indian DPSU**







Others



History of business continuity & reliable product service for marquee customers



History of reliable product service for several customers

Supplying products to Indian govt. space org. for 20+ years; which continue to be under AMC Products supplied to BrahMos operational from 2006



Invest in product development ensuring continuity of business

Developed cockpit displays for LUH, which has potential to generate additional annuity revenues from the new units



Products form critical components

Launch systems for ground based BrahMos missile launcher, "take me home" displays for the Tejas



Supply of products to prestigious defence projects in India

Like LCA, the HAL Dhruv, LUH and the BrahMos missile programme

Led by a Highly Reputed and an Experienced Management Team





Mr. Srinivasagopalan Rangarajan *Promoter, Chairman & Managing Director*

- Over 3 decades of experience in business development, corporate affairs, finance and marketing
- B.Tech in Chemical Engineering from University of Madras,
 M.S from IIT, Madras



Ms. Rekha Murthy Rangarajan *Promoter, Whole Time Director*

- Over 2 decades of experience in administration, facility maintenance, HRD, process engineering and special projects
- B.A from Bangalore University, M.A in applied Psychology from Madras University



Mr. Vijay Ananth KWhole Time Director, COO and Chief
Information Security Officer

- Over 2 decades of experience in software engineering and product management
- BCS from Manomanian Sundaranar
 University and Masters degree in computer
 applications from the University of Madras
- Associated with Data Patterns 20+ years



Mr. Venkata Subramanian Venkatachalam *Chief Financial Officer*

- Over 2 decades of experience in finance sector
- B.Com from Madurai Kamaraj University, Member of ICAI
- Associated with Data Patterns 20+ years



Mr. Desinguraja Parthasarathy Chief Technology Officer

- 32 years experience in product development
- B.E from University of Madras
- Associated with Data Patterns 30+ years



Mr. Thomas Mathuram Susikaran

SVP – Business Development

- 21 years of experience in Business Development and marketing
- B.E from Madurai Kamaraj University and a Masters' degree of tech in electrical engineering, IIT – Madras
- Associated with Data Patterns 20+ years



Ms. Prakash R

Company Secretary and Compliance Officer

- >10 years of secretarial and legal expertise in listed entities
- Post Graduate Law Professional and Member of ICSI
- Joined Data Patterns in 2023

Well Rounded and Diverse Board





Mr. Prasad Raghava Menon

Non-executive, Independent Director

- Served as Managing Director of Tata
 Chemicals Ltd and Ex-Tata Power Company
 Ltd.
- Bachelor's degree from IIT, Kharagpur



Mr. Sowmyan Ramakrishnan

Non-executive, Independent Director

- Ex-Executive Director and CFO of Tata Power.
- Bachelor's degree in technology (mechanical engineering) from IIT-M and a PG Diploma in Business Administration from IIM-A and M.A from Department of Oriental Studies and Research



Mr. Vadlamani Venkata Rama Sastry

Non-executive, Independent Director

- Retired Chairman and M.D of Bharat Electronics Limited and ex-Executive Director of Centre for Development of Telematics
- B.Sc and B.E in electronics and communication from Andhra University



Ms. Anuradha Sharma

Non-executive, Independent Director

- Founder of H.R. Practice Private Limited.
- Directorship in Peopable Advisory Services Private Limited
- Graduate from Xavier School of Management



Mr. Mathew Cyriac

Nominee Director

- 23 years of experience in investment banking and private equity.
- Previously associated with Blackstone Advisors, Bank of America, DLJ Merchant Banking Partners and Credit Suisse
- Bachelor's degree in technology (mechanical engineering) from Anna University and Post graduate diploma in management from IIM-B (gold medalist)



Appendix





Particulars (Rs. Mn)	FY21	FY22	FY 23
Revenue from Contract with Customers	2,239.5	3,108.5	4,534.5
Other Income	26.0	39.6	92.2
Total Revenue	2,265.5	3,148.1	4,626.7
Expenses:			
a) Cost of materials consumed	629.8	915.9	1,941.4
b) Changes in inventories of FG, WIP and SIT	74.3	-55.2	-232.3
c) Employee benefits expenses	484.2	623.5	794.9
d) Finance cost	145.0	109.9	77.4
e) Depreciation / Amortization	55.5	66.3	84.5
f) Other expenses	131.4	213.9	312.4
Total Expenses	1,520.2	1,874.3	2,978.3
Profit before tax	745.3	1,273.8	1,648.4
Tax expense	189.6	334.1	408.4
Profit(Loss)for the period	555.7	939.7	1,240.0
Other Comprehensive Income	-9.6	-11.5	-10.2
Total Comprehensive Income for the year	546.2	928.2	1,229.8
PAT Margin %	25%	30%	27%
EBITDA	919.4	1,409.9	1,718.1
EBITDA margin%	41%	45%	38%
Return on Net Worth	31%	24%	14%
Total Debt	332.2	67.7	7
Debt to Equity	0.16	0.01	0.00

Historical Balance Sheet



Particulars (Rs. Mn)	Mar-20	Mar-21	Mar-22	Mar-23
ASSETS				
Non-current assets				
(a) Property, Plant and Equipment	278.2	292.1	441.6	912.5
(b) Capital Work in Progress			173.0	13.5
(c) Intangible Assets	1.6	5.6	13.5	20.0
(d) Right of Use Assets	53.7	34.4	19.7	187.9
(e) Other Financial Assets	464.8	340.7	1,220.4	838.7
Total non-current assets	798.2	672.8	1,868.2	1,997.7
Current assets				
(a) Inventories	794.1	737.5	1,197.7	1,929.5
(b) Financial Assets				
(i) Investment				556.8
(ii) Trade receivables	1,156.3	1,559.4	1,983.1	3,824.8
(iii) Cash and cash equivalents	15.1	88.1	1,770.8	2,147.8
(iv) Other Bank Balances				3,297.5
(iv) Other Financial Assets	37.2	51.0	88.6	211.5
(c) Other current assets	152.6	177.3	158.3	379.7
Total current assets	2,155.4	2,613.2	5,198.5	12,351.7
TOTAL ASSETS	2,953.6	3,283.7	7,066.7	14,349.4

Particulars (Rs. Mn)	Mar-20	Mar-21	Mar-22	Mar-23
EQUITY AND LIABILITIES				
Equity				
(a) Share capital	17.0	17.0	103.8	112.0
(b) Other Equity	1,518.0	2,060.7	5,641.3	11,558.8
Total equity and liabilities	1,535.0	2,077.7	5,745.1	11,670.8
Liabilities				
Non-current liabilities				
(a) Financial Liabilities				
(i) Borrowings	5.5	97.7	7.3	2.6
(ii) Lease Liabilities	38.5	24.4	11.1	4.3
(b) Provisions	56.4	85.2	111.6	102.5
(c) Deferred Tax Liability (Net)	7.6	8.1	-	
(d) Other Non Current liabilities	143.2	273.7	157.0	1,306.8
Total non-current liabilities	251.2	489.0	287.0	1,416.2
Current liabilities				
(a) Financial Liabilities				
(i) Borrowings	600.1	234.5	60.4	4.6
(ii) Trade payables	172.6	120.0	381.5	430.6
(iii) Other Financial Liabilities	79.2	40.1	220.7	118.0
(iv) Lease Liabilities	20.8	15.2	13.2	13.4
(b) Other current liabilities	224.7	246.4	226.8	664.4
(c) Provisions	14.9	9.6	7.2	31.4
(d) Current tax Liabilities	55.2	51.3	124.8	
Total current liabilities	1,167.5	717.0	1,034.6	1,262.4
TOTAL EQUITY AND LIABILITIES	2,953.6	3,283.7	7,066.7	14,349.4

Historical Cash Flow



Particulars (Rs. Mn)	FY20	FY21	FY22	FY23
Net Profit before tax	284.7	745.2	1,273.8	1,648.4
Adjustments for:				
Add: Depreciation	54.6	55.7	66.3	84.5
Add : Interest And Finance Charges	133.4	145.0	109.9	77.4
Add : Liquidated Damages (LD) Written Off	-	-	12.8	44.6
Add: Unrealised Forex Gain/Loss	-	-	3.9	11.3
Less: Profit on sale of assets	-1.8	-1.2	-	-
Less: Profit/Loss on sale of Mutual Funds	-	-	-	-8.0
Less: Interest Income	-25.6	-22.2	-39.8	-84.2
Operating Profit Before Working Capital Changes	445.3	922.5	1,426.9	1,774.0
Adjustments For Working Capital Movements :	-282.4	-183.7	-621.4	-1,412.2
Cash Generated From Operations	162.9	738.8	805.5	361.8
Direct Taxes (Paid) /adjusted	-28.4	-189.8	-283.6	-534.2
Net Cash flow From Operating Activities (A)	134.5	549.0	521.9	-172.4
Cash Flow From Investing Activities (B)	14.0	-27.5	-1,197.7	-3,831.6
Cash Flow From Financing Activities (C)	-136.5	-448.6	2,358.6	4,381.0
Net Increase in Cash & Cash Equivalents (A+B+C)	12.0	72.9	1,682.8	377.0
Cash & Cash Equivalent At The Beginning Of The Year	3.1	15.1	88.0	1,770.8
Cash & Cash Equivalent At The End Of The Year	15.1	88.0	1,770.8	2,147.8

Core groups or departments for design and development of products



Total Employee Strength



700+ qualified Engineers out of 1130

Our senior members in hardware, design and development have been with us for more than **15 years**

Group/Department	Responsibility / Scope
Hardware Development Department	Design and development of all types of high-end and complex electronics modules and building blocks. Includes Single board computers, Field Interface modules, Communication Modules, Custom I/O Modules, Mezzanine modules, Signal conditioning modules etc.
Software Development Department	Design and development all types of embedded, real-time and application software. Includes devices drivers, Operating system porting, real-time data transfer, GUI application for various Operating systems and hardware.
Mechanical Engineering Department	Design and development of all types of mechanical packaging, big structure systems and jigs and fixtures. Incudes standard ATR chassis, heat spreaders, structural and thermal analysis etc.
CAD / CAM Group	PCB schematics, Artwork, signal analysis, power analysis, electrical wiring, all modules/systems performance, and maintenance statistics like MTBF etc. Includes up to 26 Layer PCB design, hybrid electrical interface design etc
Algorithm Development Group	Design and development of various domain algorithms for RADAR, Electronic Warfare, Communication waveform etc. Uses all types of algorithm development including mathematical modelling, statistical modelling, feedback modelling etc.
Radio Frequency Modules Group	Design and development of all types of RF modules and sub-systems. Includes simple RF receiver/exciter, filters, upconverters/downconverters, synthesizers etc.

Group/Department	Responsibility / Scope
DOMAIN Systems Groups	Design and Development of product verticals as a system. Including RADAR, EW, Communication, ATEs, Fire-control systems, Satellite, Avionics etc.
Production Department	All the products are functionally and environmentally tested by this department. Includes testing of modules and sub-systems, wiring, mechanical assembly, and integration etc.
Electronics Manufacturing Services (EMS)	Fabrication of all electronics modules. Including automated pick-n-place, manual soldering, conformal coating etc.
Harnessing Group	Fabrication of all types of cable harness including internal wiring, external interface wiring, testing of cables for continuity, impedance etc.
Mechanical Integration Group	Assembly and integration of all types of mechanical parts. Including various types like LRU assembly, board assembly, system assembly, system integration etc.
Project Management Group	Responsible for Delivering all the orders both internal and external. Vertical integration of groups and product development responsibilities. Includes all types of projects from simple module delivery to full system delivery. Utilizes, project plan, metrics, GANNT charts, budgeting and control, optimal execution methods etc

Defence modernization programmes





Arudhra Radar

- Expected to supply ~55 units of AGRU/ Arudhra radar
- Likely to generate revenues in the next 3-4 years based on the requirement projection of IAF



Light weight EW requirements

• EW capability will help in supplying products for Light weight EW products which have a heavy requirement in mountainous borders as they are not adequately covered, and the same has been prioritised due to the increased geo-political tension



Ashwini LLTR

- Partner in development of these radars as a single vendor incl. TR modules, AGRU, signal processor, etc
- Expected to realise revenue between \$10-30 million in the next few years.



Airborne surveillance radar

 Has delivered an airborne surveillance radar (all of the hardware) to LRDE which is expected to be flight tested in the next few months and will be likely inducted in Navy's Dornier upgrade and new helicopter programmes



Dharashakti programme

- Has received single vendor orders from DLRL for development and supply of all of the COMINT search receivers, Direction Finder & Monitoring receivers.
- In a position to be an OEM for the entire receiver systems with likely revenues of \$ 50 million on complete execution



Radar Warning Receivers

• Also a part of the Radar Warning Receivers for the Airborne Early Warning System ("AEW &C") to DLRL which has been fitted on the Embraer early warning radar developed by Centre for Air Borne System ("CABS")



MI 17 Upgrades, Dornier Upgrades, Aerostat upgrades,

 Expertise gained in the Dharashakti project would also position to cater for airborne COMINT and ELINT equipment for various upgrades of any new rotary wing programmes



Next Gen completely wide open for LCA Mk IA and Sukhoi 30 platforms

- Likely to deliver Next Gen completely wide open for LCA Mk IA and Sukhoi
 30 platforms subject to flight testing.
- After flight testing, these can be fitted on the 83 LCA MK IA on order as well as the Sukhoi 30 upgrades (approximately 270 numbers), attack helicopters, etc.

Indian defence and aerospace industry is rapidly evolving into a self sustaining one



Competition at two levels for Data Patterns

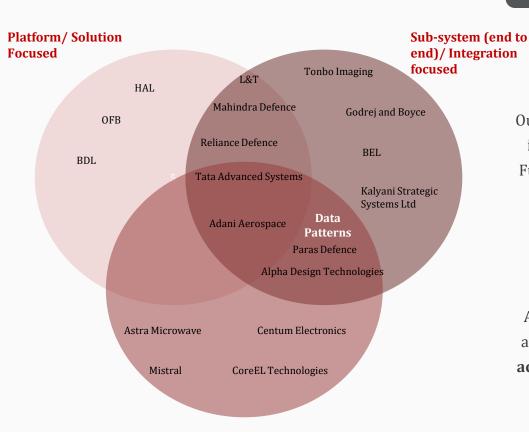


During **development stage** in DRDO requirements **from small and medium size companies** building custom solutions and/or integrating solutions around imported COTS products



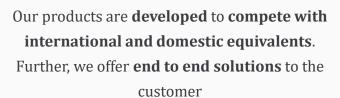
From large corporates offering complete systems, often under a partnership with International OEMs, for products and programmes directly procured by the Indian government space organization

Indian defence suppliers - Anticipated Future Positioning



Subcomponents focused

We are poised to take up emerging opportunities





Ability to offer wide range of products. We also have strong and balanced capabilities across 12 defence and aerospace segments



Thank You



For further information, please get in touch with:

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