ENGINEERING THE CHANGE 7



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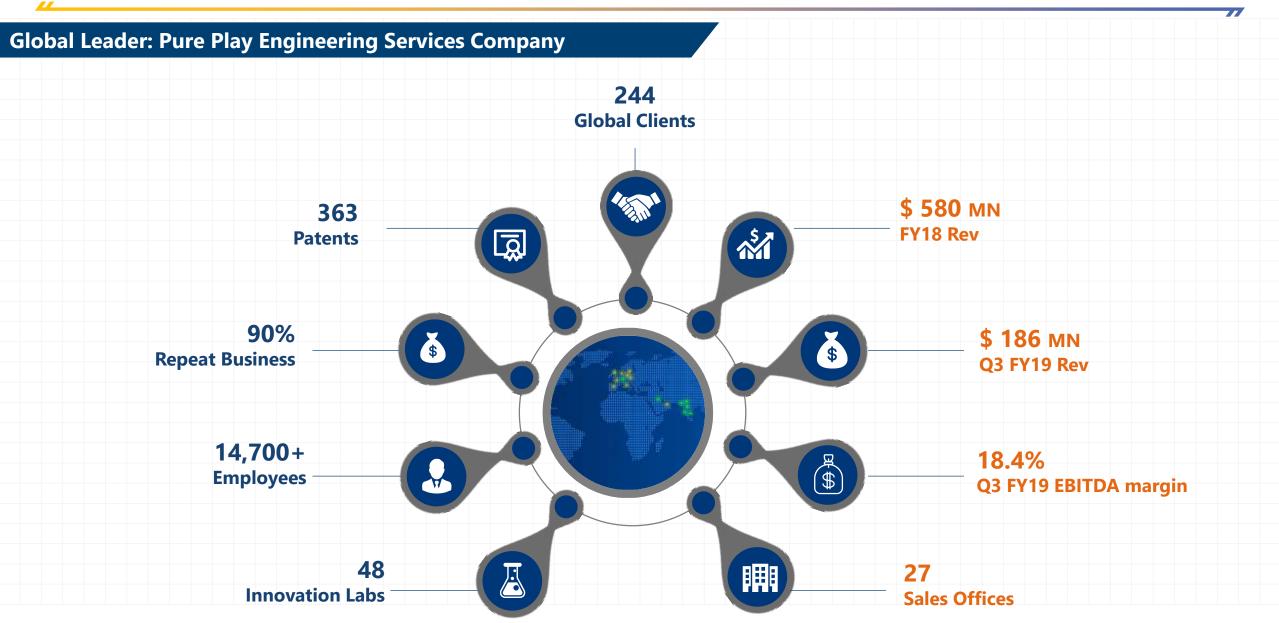
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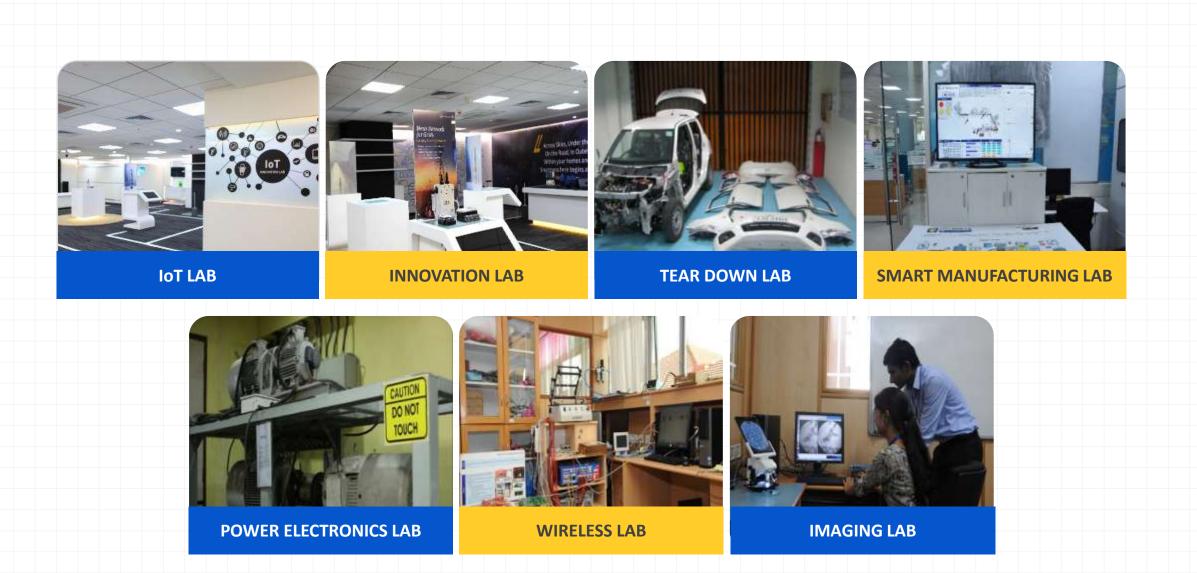
L&T Technology Services – At a glance



Our Engineering heritage and multi-domain capabilities...

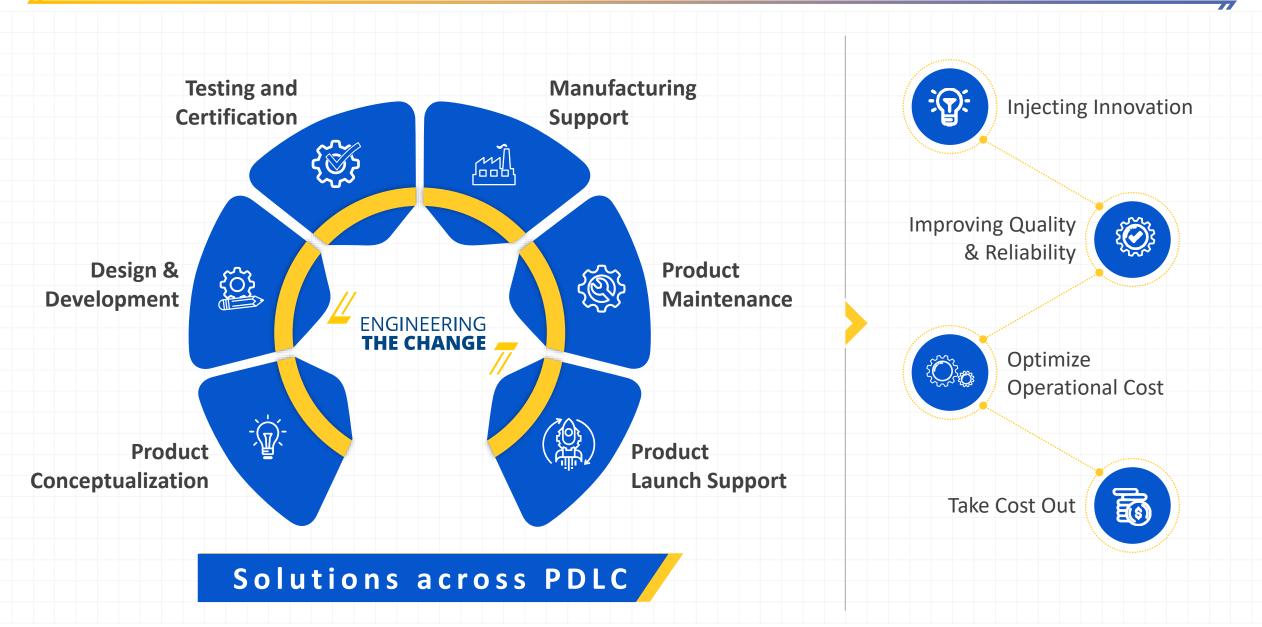


...supported by best in class infrastructure

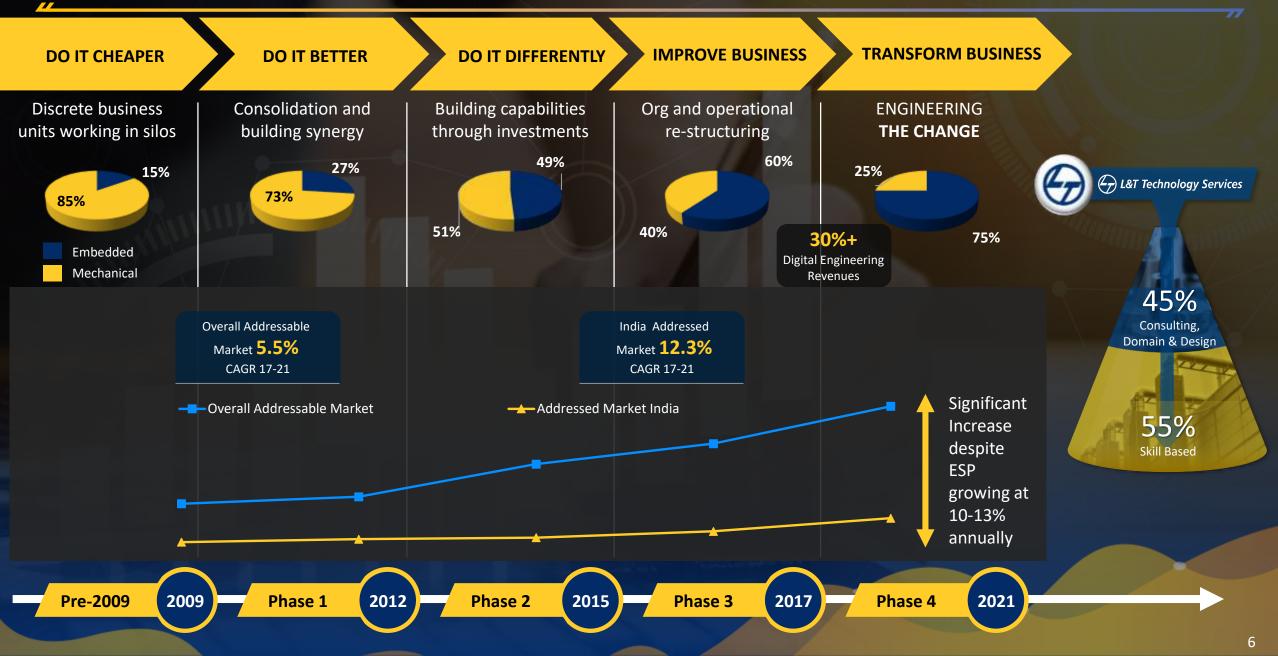


7.7.1

...allows us to be the end-end engineering partner for our clients

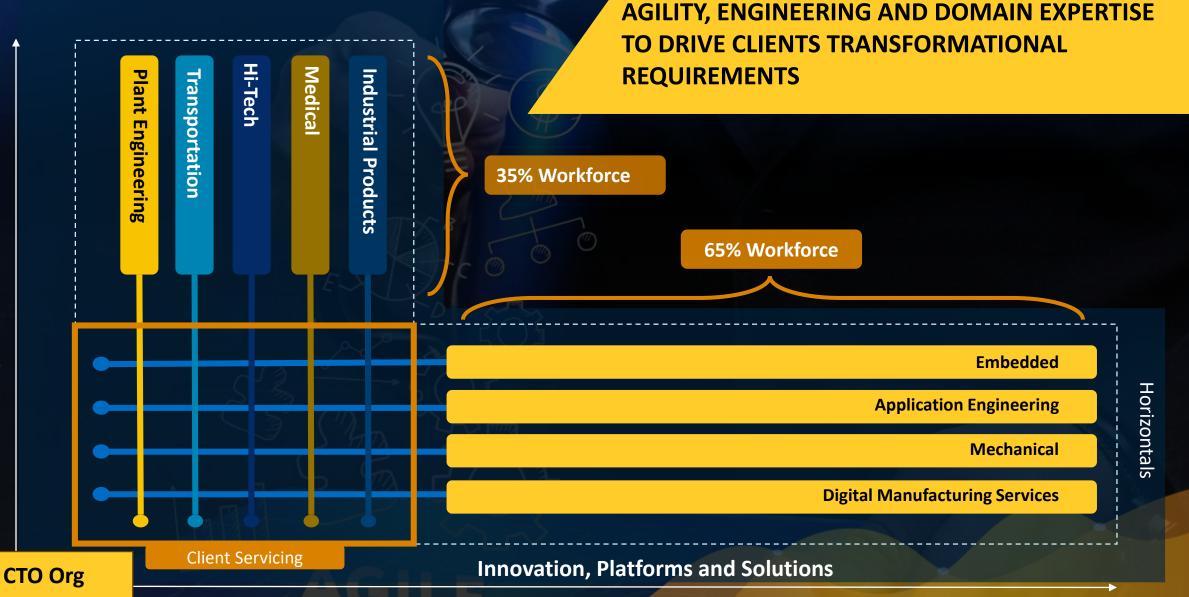


LTTS Evolution...



Customer requires partners with...

Innovation, Platforms and Solutions





Customer requires partners with...

TRANSPORTATION

- Digital Cockpit
- Additive Manufacturing
- Autonomous Car Middleware
- Active Safety
- EV/ Hybrid
- V2X

INDUSTRIAL PRODUCTS

- Building management
- Digital Twin
- Energy Storage/Management
- Industrial IoT
- Condition based monitoring

MEDICAL

- Real-time Remote Monitoring
- 3D Printing
- AI in Medical Imaging

ENABLING DIGITAL PLATFORMS

5G : Enabling Next-Gen Connectivity Augmented Reality/Virtual Reality Cognitive Computing (AI/Engineering Analytics/DL/ML/NLP) Vision Based Computing (Image Processing)

Security/Blockchain

Sensor Fusion



TELECOM & HI-TECH

- 5G and IoT chipset module
- ASIC Frontend, PD
- Smart Homes & Gateways
- Next-Gen Media Streaming
- Embedded AI in chips
- OTT Solution, App Frameworks

PLANT ENGINEERING

- Plant control mobility solution
- Digital Factory
- Integrated manufacturing & supply chain
- Plant energy management solutions

...READY 2 DEPLOY SOLUTIONS (R2DS) TO SPEED UP THEIR GTM...

We have a marquee list of clients today ...

8 of Top 10 Transportation R&D spenders 8 of Top 10 Hi-Tech R&D spenders

51 OF TOP 100 R&D SPENDERS

3 of Top 5 Medical R&D Spenders 7 of Top 10 Industrial and Process R&D spenders

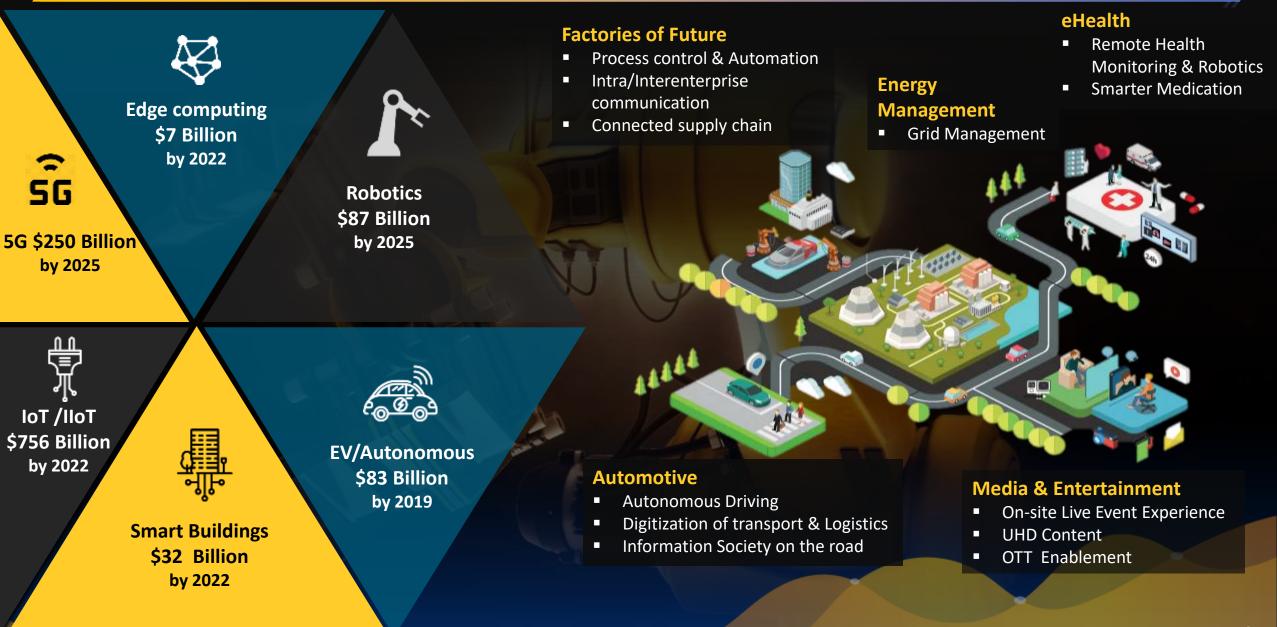
...which gives us a long runway for growth



Industry Tailwinds for us to harness



Focus areas for the future



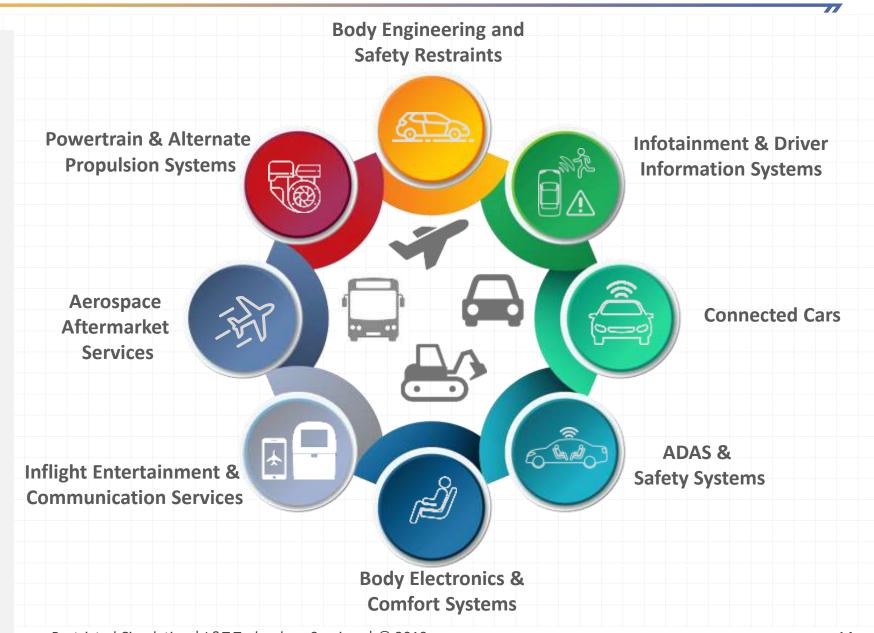
Transportation: Co-creating the next-generation of mobility

Revenue: USD235mn+ (Q3FY19 annualized)

> An automotive engineering service provider with strong expertise across the value chain, strong innovation credentials and a solid presence in the off-highway vehicle segment.

> > -HfS Research, Automotive Engineering Services Blueprint

- Automotive practice rated in Winner Circle by HfS Research
- Off-highway practice rated as the Leading ESP for 5 consecutive year by Zinnov Management Consulting.
- 10+ State-of-the-art labs across Infotainment, ADAS/ Autonomous drive, Electric vehicles, EMI/EMC, Smart Manufacturing, Design & Tear Down.



Telecom & Hi-Tech : Strengthening Connectivity

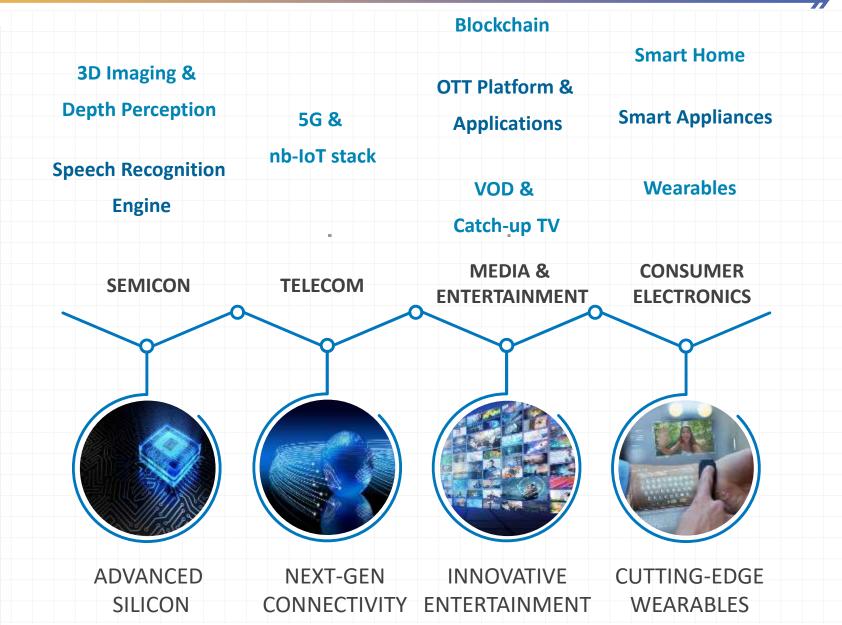
Revenue: USD200mn+ (Q3FY19 annualized)

LTTS stood out for clients' very positive impressions of its operations and service delivery. Reference clients have praised LTTS's capability for design to manufacturing solutions.

-HfS Reseach Embedded & Semicon Engineering Services Blueprint

each print

- Rated as one of the leading global ESPs in embedded space by Zinnov Management Consulting
- Rated among the top 5 embedded & semicon ESPs globally by HfS Research
- 20+ partnerships and 40+ in-house solutions, IPs and accelerators.



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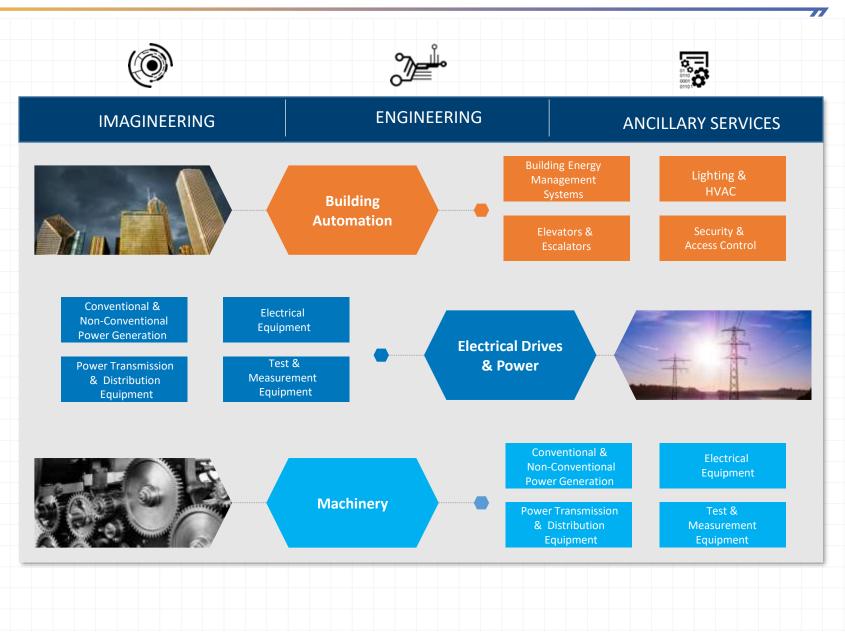
Industrial Products: Infusing Technologies

Revenue: USD150mn+ (Q3FY19 annualized)

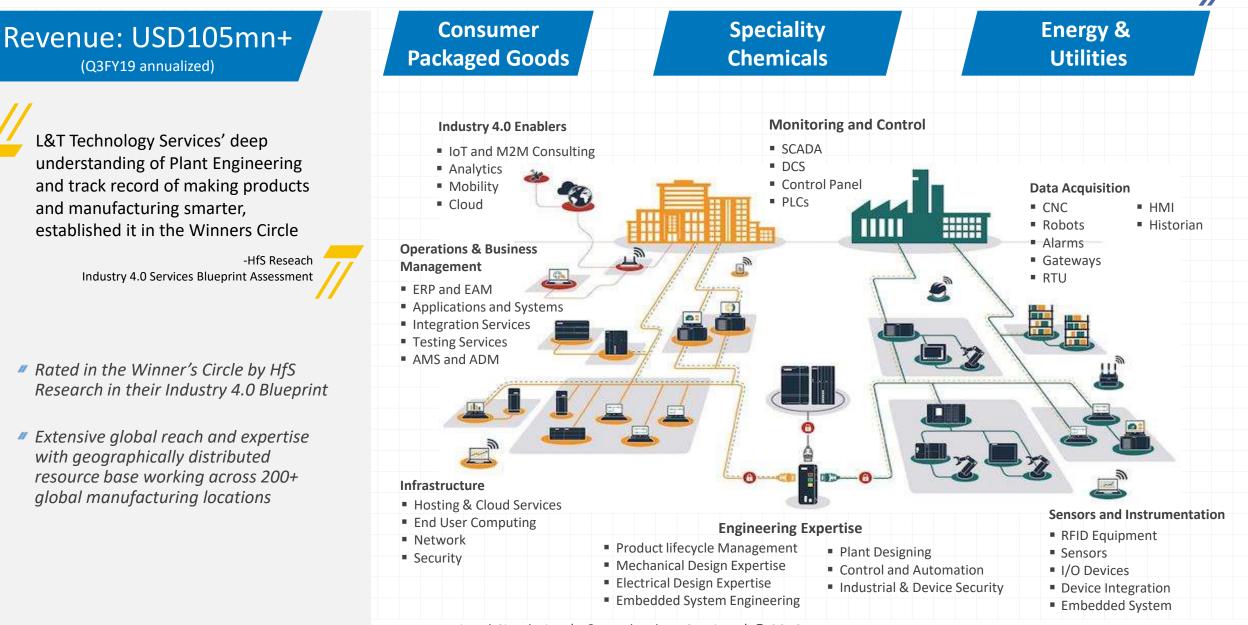
> L&T Technology Services' deep multivertical expertise, rich IP portfolio such as UBIQWeise™, iBEMS, W.A.G.E.S and innovation focused multi-domain labs gives it a clear advantage over its peers.

-Zinnov Management Consulting, Zinnov Zones 2017 for IoT Technology Services

- Rated as #1 engineering services company for the last 7 years by multiple industry experts
- Rated in the Winner Circle by HfS Research for deep domain capabilities in IIoT
- 20+ labs and over 150+ authored/ co-authored patents

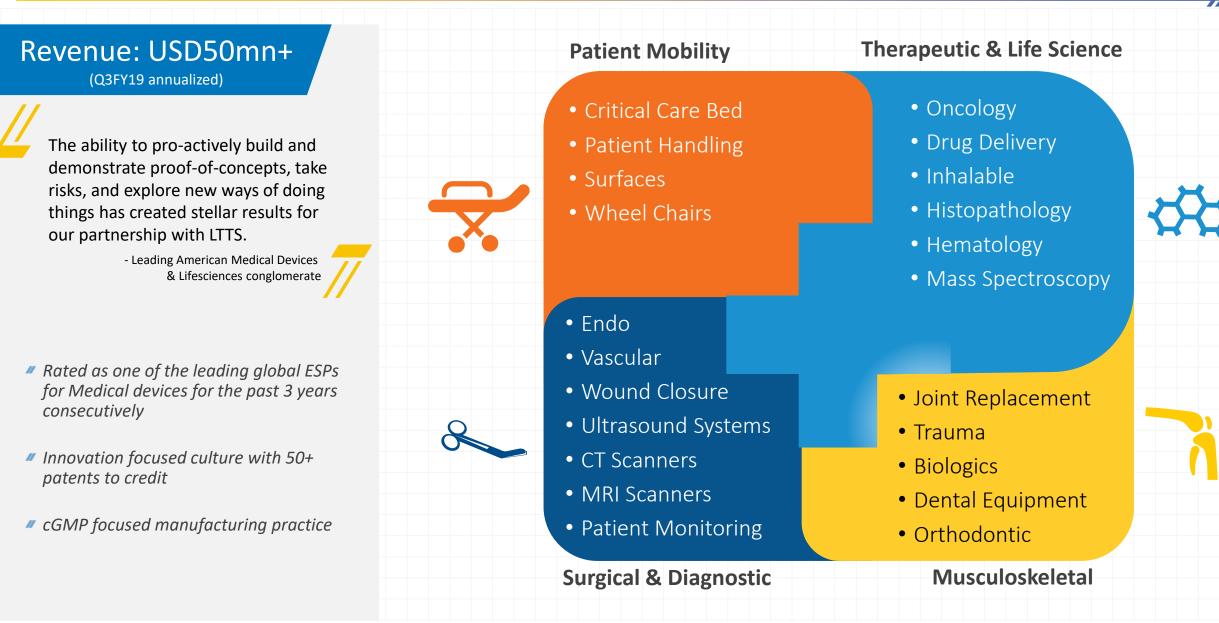


Process Industry : Extending Industry 4.0



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Medical Devices: Touching Lives



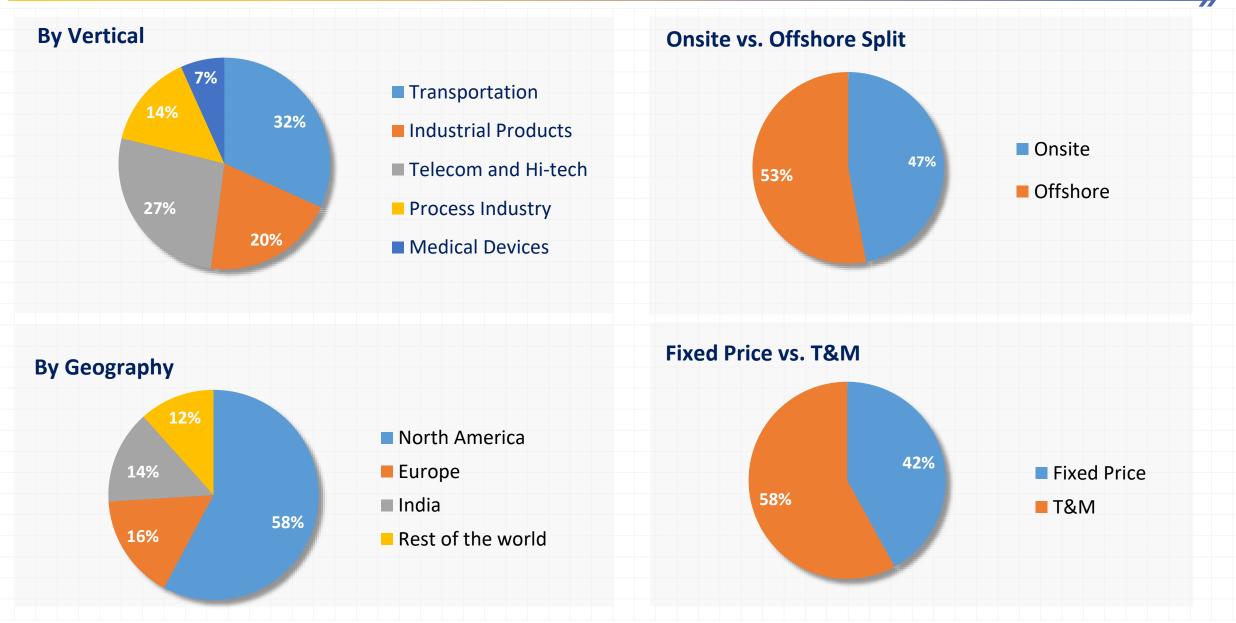
Trigger to these platforms are new age technologies like IoT/IIoT, Edge Computing, Autonomous Car & Smart Building trends

Current - Platfo	rms & Solutions	New Platforms/IP Exploration
AiKno™ LTTS AI Framework	nBon™ NB-IoT – 3GPP Std Protocol	Autonomous Vehicle SW
i-BEMS™ TTS Smart Building Soln	Integrated MCare™ Predictive Maintenance	Compute Vision Platform
VLSI – IPs Semiconductor IPs	Connected Platform IoT Platform	Car Security
Automation	Frameworks	AI in Hardware
COGMATION Device Testing Framework	VANGEN Automotive Imaging Tool	Robotics
	FA tomation Tool	

Diversified Customer Base

54%						
39%		Customer Revenue (USD Mn)	FY16	FY17	FY18	Q3FY19
		50 Million +	0	0	0	2
		30 Million +	0	1	3	3
		20 Million +	3	3	4	5
		10 Million +	11	9	12	16
		5 Million+	28	30	31	39
		1 Million +	72	79	84	98
	39%		39% Customer Revenue (USD Mn) 50 Million + 30 Million + 20 Million + 10 Million + 5 Million +	39% 50 Million + 0 30 Million + 0 20 Million + 3 10 Million + 11 5 Million + 28	39% 50 Million + 0 0 30 Million + 0 1 20 Million + 3 3 10 Million + 11 9 5 Million + 28 30	39% FY16 FY17 FY18 50 Million + 0 0 0 30 Million + 0 1 3 20 Million + 3 4 10 Million + 11 9 12 5 Million+ 28 30 31

Diversified Business and Geographical Mix (Q3 FY19)



Performance Highlights

FY15	FY16	FY17	FY18	Parameters	Q1FY19	Q2FY19	Q3FY19
428	468	484	580	Revenue from Operations (USD mn)	169	177	186
26,186	30,662	32,483	37,471	Revenue from Operations (INR mn)	11,522	12,661	13,169
15.2%	16.9%	18.0%	15.5%	EBITDA Margin	17.0%	18.1%	18.4%
13.4%	15.0%	16.1%	13.0%	EBIT Margin	14.8%	15.9%	16.5%
252	845	561	1,910	Other Income (INR mn)	978	546	353
3,109	4,191	4,249	5,060	Net Income (INR mn)	1,975	1,910	1,856
11.9%	13.7%	13.1%	13.5%	Net Income Margin	17.1%	15.1%	14.1%
61.1	65.5	67.1	64.6	Avg. Exchange Rate (USD/INR)	68.2	71.5	70.9

Financial performance

					Amount in INR m
Income Statement	Q3FY18	Q2FY19	Q3FY19	QoQ	YoY
Revenue	9,691	12,661	13,169	4.0%	35.9%
Cost of sales	6,892	8,732	9,269		
Gross Profit	2,799	3,929	3,900	-0.7%	39.4%
Selling, General & Administration Expenses	1,314	1,640	1,483		
EBITDA	1,485	2,289	2,417	5.6%	62.8%
Depreciation & Amortisation	145	270	239		
EBIT	1,340	2,018	2,178	7.9%	62.6%
Other Income, net	426	546	353		
ncome tax expense	501	646	670		
Minority Interest	2	8	5		
Net Income	1,263	1,910	1,856	-2.8%	47.0%
Margins (%)					
Gross Margin	28.9%	31.0%	29.6%		
EBITDA Margin	15.3%	18.1%	18.4%		
EBIT Margin	13.8%	15.9%	16.5%		
Net Income Margin	13.0%	15.1%	14.1%		
Earnings Per Share					
Basic	12.36	18.51	17.86		
Diluted	12.00	18.17	17.58		

Financial performance

Amount in INR mn				Amount in INR mr	
Balance Sheet	FY18	Q3FY19	Cash Flow Summary	FY18	YTD FY1
Assets			Net cash provided by operating activities	4,136	4,80
Property and equipment	1,251	1,273	Сарех	-511	-50
Intangible Assets and Goodwill	5,844	6,285	Free Cash Flow	3,625	4,29
Accounts Receivable	9,623	11,063	Free Cash flow to Net Income (%)	72%	759
Unbilled Revenues	2,154	3,054			
Cash & Investments	3,749	4,841			
Other current assets	3,081	2,371			
Other non-current assets	1,349	1,663			
Total Assets	27,051	30,550			
Liabilities and Shareholders' Equity					
Shareholders' Funds	19,364	22,205			
Short term borrowings	702	524			
Other current liabilities	6,935	7,527			
Other non-current liabilities	47	272			
Minority Interest	3	22			
Total Liabilities	27,051	30,550			

Case Study: Turnkey SoC

Project Highlights

- Complete physical design and verification including mass production of image processing SoC
- Executed chip development plans using low power process methodology
- Achieved high chip processing efficiency by optimizing die size, pin count, and power/memory/performance/sensor requirements

Application: Industrial Camera

LTTS proprietary VLSI IPs





ARCHITECTING THE SMARTEST CAMPUS IN THE WORLD

Powered by iBEMS[™]- Ingenious platform for smart buildings

WHAT WE ENABLED

- Integrated View of complete facility operations
- Enabling Net Zero Buildings and environmental certifications
- Predictive Maintenance of Building Assets
- Customized experiences for building occupants

100+ SMART BUILDING FUNCTIONALITIES

SAVES >30% OF FACILITY ENERGY & OPERATIONAL COSTS

OUR EXPERTISE

- Master Platform Integration
- Edge & Cloud Analytics
- Machine Learning
- Custom User Experiences

ASSET CONDITION MONITORING ON THE SHOP FLOOR

WHAT WE ENABLED

- Predictive Maintenance of Critical Manufacturing equipment identifying & fixing issues long before they occur.
 - This involved-
 - IoTification of machinery
 - Analysis of critical parameters on the edge & cloud
 - Real-time notifications on any anomalies

20% REDUCTION IN DOWNTIME

PAPERLESS ROOT-CAUSE ANALYSIS

PROACTIVE HEALTH NOTIFICATIONS

OUR EXPERTISE

- Machine Sensorization
- Predictive Analytics
- Data Encryption
- Edge Computing