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# Global TWS Shipments Grow 24% YoY to Reach 300 Million in 2021

The global TWS hearables market shipments in 2021 grew 24% YoY in unit sales and 25% in terms of value, according to the latest research from Counterpoint's TWS Hearables Market Tracker. The unit sales growth rate was slightly lower than the original forecast due to the COVID-19 pandemic impact throughout the year. How-

ever, unit sales increased to around 300 million as new products entered the market with more features, like ANC (Active Noise Cancellation) and expanded play time, at affordable prices. In particular, smartphone OEMs continued to focus on TWS products to expand their smart ecosystem, resulting in increased competition and sales in the market.

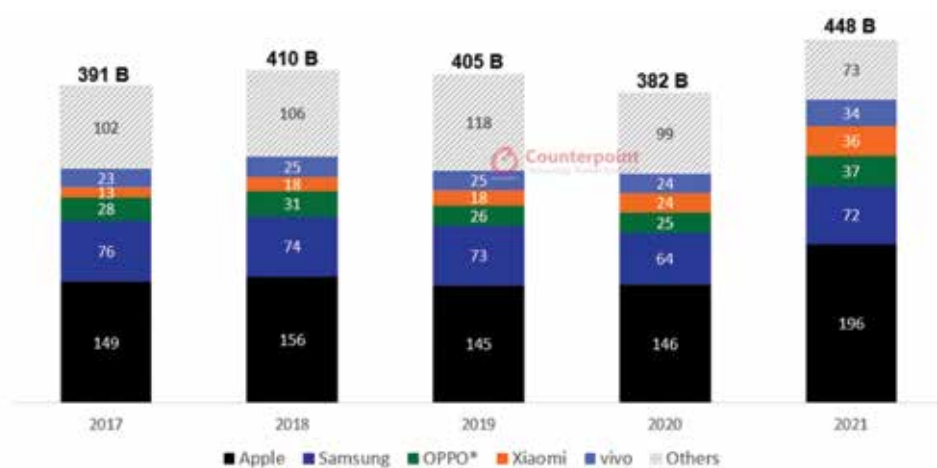
TWS market leader Apple saw a slight increase of 5% YoY in its unit sales but its market share fell to 25.6%. Although the AirPods 3 was released later than expected, the AirPods 2 and AirPods Pro maintained high sales based on promotions throughout the year. With the growing influence of Apple in the Chinese market, sales of old models have also increased significantly. The AirPods 3, primarily doing well in North America and Europe, led the entire TWS market in Q4 2021. Samsung saw a robust growth of 33% YoY with its new models Galaxy Buds Pro and Galaxy Buds 2, released in the first half and second half of the year respectively. Among other brands, Skullcandy and boAt showed noticeable growth, as they became key players in major regions like North America, Europe and India. The growth in the \$50-\$100 and \$200+ segments was notable. JBL and Xiaomi led the growth in the \$50-\$100 segment with their flagship models, while Skullcandy performed well with its models finding their way to the top 10 list of best-selling models. Apple drove the growth in the \$200+

segment with a 75% share. Just like in 2020, the sub-\$50 segment accounted for the largest share in 2021 with strong demand from emerging markets like India. Xiaomi recorded the highest sales in the sub-\$50 segment, while boAt recorded the highest growth compared to the previous year. Senior Analyst Liz Lee, who leads Counterpoint's TWS hearables research, said, "The \$50-\$100



segment grew significantly YoY, as Xiaomi, which had focused on the sub-\$50 segment, tried to expand its lineup to the \$50-\$100 range. Further, the competition in the \$50-\$100 segment intensified, with smartphone OEMs like OPPO, OnePlus and realme pitted against emerging brands like Skullcandy, JLab and Nothing. All this competition resulted in new products offering good quality and more features at reasonable prices and pushing the market growth in 2021."

## Apple Captures Highest Ever Share in Q4 2021



The global smartphone market revenue crossed \$448 billion in 2021, according to the latest research from Counterpoint's Market Monitor Service. It grew 7% YoY and 20% QoQ even as component shortages and COVID-19 restrictions continued to disrupt supply chains around the world. Smartphone average selling price (ASP) grew 12% YoY to reach \$322, mainly due to a higher share of 5G smartphones, which have a significantly higher ASP than the 4G models, as well as Apple's successful launch of its iPhone 13 devices. Besides, more 5G-enabled models were released in 2021 as OEMs such as Xiaomi, vivo, OPPO and realme focused on fulfilling a greater demand for affordable 5G smartphones in emerging markets such as India, South-east Asia, LATAM and Eastern Europe. As a result, 5G-enabled smartphones contributed more than 40% of the global smartphone shipments in 2021, compared to 18% in 2020.

There has also been a global increase in demand for mid-range and premium smartphones due to

the pandemic-linked education, work and entertainment from home convincing some consumers to upgrade their devices for a better overall experience. Lastly, the global shortage of smartphone components has also led major OEMs to increase the retail prices of some of their entry and mid-tier smartphones.

Apple's iPhone revenue increased 35% YoY to \$196 billion in 2021. It captured 44% of total global smartphone revenue in 2021. The high demand for 5G-enabled iPhone 12 and 13 series helped Apple register 14% growth in its overall ASP, which reached \$825 in 2021. The brand also managed to increase its share in key emerging markets such as India, Thailand, Vietnam and Brazil.

Samsung's smartphone revenue increased 11% YoY to reach \$72 billion in 2021, compared to \$64 billion in 2020. Its ASP grew 5% to \$263 in 2021. Samsung managed to increase its global market share in the mid and premium segments with the launch of the Galaxy S flagship series and increase

in the share of 5G phones. 2021 also witnessed the launch of two foldable smartphones — Samsung Galaxy Z Fold3 5G and Z Flip3, which also nudged the overall revenue higher. Samsung shipped three times more foldable devices in 2021 than in 2020.

Xiaomi's revenue increased 49% YoY to reach \$36 billion in 2021, compared to \$24 billion in 2020, mainly due to the increase in shipments and market share for its mid and premium segment smartphones such as the Mi 11x series. In India, the brand's biggest market, the smartphones priced at \$250 and above grew 39% YoY to account for more than 14% of Xiaomi's India market, compared to 8% in 2020.

OPPO\* saw a revenue increase of 47% YoY to \$37 billion. Its ASP grew 15% YoY to reach \$259 in 2021. The brand saw an increase in shipments in the \$400-\$599 and \$600-\$799 price bands, mainly owing to strong demand for the Reno 6 series, Find X3 and OnePlus 9 series. 5G-enabled smartphones contributed more than 50% of the brand's yearly shipments in 2021 against 28% in 2020. OPPO\* also managed to expand its presence in mature markets such as China, Japan and parts of Europe (including Nordic countries), which drove the higher revenue and ASP. OnePlus revenue grew 33% YoY in 2021 driven by the OnePlus Nord series and OnePlus 9.

vivo's revenue increased 43% YoY to \$34 billion. Its ASP grew 19% YoY to reach \$259 in 2021. The brand ranked as the fifth-largest smartphone vendor in 2021 both in terms of revenue and shipments. vivo's revenue performance was driven by the well-received flagship X60 and S series, exceptional performance in China and a wide product portfolio spread across all price bands.



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## India PC Market Shipped a Record 14.8 Million Units in 2021

The India traditional PC market, inclusive of desktops, notebooks, and workstations, delivered a strong year with shipment growth of 44.5% year-over-year (YoY) in 2021 (Jan-Dec), according to new data from the International Data Corporation (IDC) Worldwide Quarterly Personal Computing Device Tracker. While the notebook category was the volume driver with shipments reaching 11.6 million units, the desktop category, which saw a steep decline in 2020, managed a recovery with 30% YoY growth. This can be attributed to strong demand from enterprises, SMB, and consumer segments.

The market continued to be upbeat as the vendors collectively shipped more than 4 million PCs in 4Q21 (Oct-Dec). Remote working demand coupled with better supplies were the drivers for the market. The desktop category continued its upward trajectory driven by demand in the Education and VLE segments, shipping more than 800k units for the first time in 8 quarters. Notebooks clocked over 3 million units for second quarter in succession. The commercial segment posted a sharp YoY growth of 81.4% in 4Q21, while the consumer segment witnessed a more subdued YoY growth as vendors focused on inventory correction following a very strong 3Q21 (Jul-Sep).

"As schools and colleges continued to function remotely for a second consecutive year, the demand for a computing device became extremely important for students.

Some of the students who were earlier using smartphones/tablets for their virtual classes opted for a PC for obvious benefits such as bigger screen and ease of usage" said Bharath Shenoy, Senior Market Analyst, PC Devices, IDC India. Commenting on the ongoing momentum in notebook category, he adds, "The consumer segment witnessed strong growth despite facing supply disruptions across the year. While the incumbent brands managed to get better allocations and ship bigger volumes of PCs, new brands that entered Indian market in the past few years struggled to get timely supplies, thereby struggling to fully capitalize on the market opportunity."

### Top 5 Company Highlights: 2021

**HP Inc.** continued to lead the overall PC market with a share of 31.5% as its shipments grew by 58.7% YoY in CY2021. The vendor also led the market and had its biggest quarter ever in 4Q21 by shipping more than 1.3 million units. The vendor had a commanding share of 32.9% and 30% in the commercial and consumer segments in 2021 as they grew by 57.5% and 60.1% YoY respectively. Strong demand coupled with consistent supplies helped the brand in managing substantial growth in both segments.

**Dell Technologies** secured the second position with 23.6% share and 47% YoY growth in CY2021. The vendor also stood in second place behind HP in 4Q21 as it shipped more than a million units for a second consec-

utive quarter. While it was a close second to HP in the commercial segment with a share of 29.8% in 2021, it managed to stay ahead of Lenovo, but was a distant second in consumer segment. The vendor also led the enterprise segment with a share of 38%, driven by increased demand from Indian IT/ITES customers and its global accounts.

**Lenovo** continued to hold its third position behind Dell in 4Q21 as well as CY2021 with shares of 17.4% and 18.4% respectively. While the vendor managed an impressive growth of 22.8% YoY in 2021 across segments, constrained supplies impacted its overall shipments. It however did perform well in SME segment, coming in second behind HP with a share of 24.7%.

**Acer Group** retained the fourth position with an 8.2% market share in CY2021 while it held a share of 7.7% in 4Q21. As the desktop category made a comeback of sorts in 2021, Acer was one of the main beneficiaries due to its established commercial desktop business. The vendor was second in the commercial desktop category behind HP with a share of 25.8%.

**ASUS** maintained the fifth position with a share of 4.4% in 4Q21 and 5.9% in CY2021 as it grew by 36.1% YoY in 2021. While it managed a healthy growth in the consumer segment in 2021, it started making inroads in the commercial segment, growing a staggering 227.2% YoY.





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# Top 10 Government Technology Trends for 2022



Gartner, Inc. identified the top 10 government technology trends for 2022 that can guide public-sector leaders in accelerating digital transformation and mitigating disruption risks.

“Government and public sector CIOs now need to sustain the momentum of digital acceleration after the initial chaos of the pandemic,” said Arthur Mickoleit, research director at Gartner. “CIOs can use these top trends to establish future-ready organisations by demonstrating how digital initiatives deliver value to diverse and evolving constituent needs, support new workforce trends, enable efficient scaling of operations and build a composable business and technology foundation.”

Government CIOs must consider the collective impact of the following 10 trends on their organisations and include them in their strategic plans for 2022 and beyond. Not doing so risks undermining the quality of government services and the capacity to deliver mission value in the long run.

## **Composable Government Enterprise**

By 2024, over 25% of government RFPs for mission-critical IT systems will require solutions architecture and variable licensing that support a composable design approach.

Composability enables governments to focus on citizen-centric services, rather than on the frequently used, siloed, program-centric approach. A composable organisation exhibits composability in three areas – business architecture, technology and thinking. Government CIOs should implement modularity and modern design principles to enable the transition towards composable government.

## **Adaptive Security**

Gartner predicts that 75% of government CIOs will be directly responsible for security outside of IT, including operational and mission-critical technology environments by 2025.

A lack of continued awareness programmes, cybersecurity practices embedded throughout an organisation and a robust talent acquisition team can disrupt an organisation’s response to security threats. Government CIOs must address the essential human element of cybersecurity by growing expertise from within through in-depth training programs and broad employee support through engaging awareness education.

## **Digital Identity Ecosystems**

Gartner predicts that at least a third of national governments and half of US states will offer citizens mobile-based identity wallets by 2024. But only a minority will be interoperable across sectors and jurisdictions. The scope and challenges for digital identity are quickly expanding as governments look to identity proofing, bring your own identity (BYOI), identity wallets, organisation and objects identity, and identity ecosystems to ensure trusted and convenient access to services.

## **Total Experience**

Gartner predicts that by 2023, most governments without a total experience (TX) strategy will fail to successfully transform government services. TX offer governments a way to improve talent management strategies and develop stronger digital skill sets across their organizations, while improving service delivery to citizens. The lack of a TX strategy can increase service friction, leading to risk of service delays and underwhelming service experiences.

## **Anything as a Service (XaaS)**

Gartner analysts said that 95% of new IT investments made by government agencies will be made in XaaS solutions over the next three years. XaaS includes several categories of IT infrastructure and software services, including those delivered in the cloud as a subscrip-

tion-based service.

## **Accelerated Legacy Modernisation**

When the pandemic began, core legacy business systems failed to handle the surge in demand for these services. CIOs will thereby need to make modernisation a continuous activity and not look at it as a one-time investment. Without legacy modernisation, “return-to-normal” initiatives will be further delayed as COVID-19 variants continue disrupting businesses globally.

## **Case Management as a Service (CMaaS)**

Case work is a universal workstyle of government. CMaaS can build institutional agility in government by applying composable business principles and practices to replace legacy case management systems with modular case management products. Gartner predicts that by 2024, government organisations with a composable case management application approach will implement new features at least 80% faster than those without.

## **Hyperautomation**

According to Gartner, 75% of governments will have at least three enterprisewide hyperautomation initiatives launched or underway in the next three years. Hyperautomation offers more than the opportunity to deliver connected and seamless public services in an efficient way. It also aims to increase government effectiveness through cross-cutting initiatives that focus on end-to-end process and not just automation of siloed tasks.

## **Decision Intelligence**

Gartner predicts that by 2024, 60% of government AI and data analytics investments aim to directly impact real-time operational decisions and outcomes. Planning and decisions should be increasingly predictive and proactive, using AI, analytics, business intelligence and data science to significantly reduce the cost due to late intervention. The aim is to make government service delivery responsive and timely.

## **Data Sharing as a Programme**

Data sharing in government is often ad hoc, driven by high-profile incidents. On the contrary, data sharing as a programme is a systematic and scalable approach to enable data reuse and services innovation.

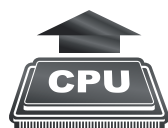
Gartner predicts that organisations that promote data sharing will outperform their peers on most business value metrics by 2023. This will need a cultural shift from compartmentalisation of data use to re-use of data to better serve citizens. Government CIOs need to lead from the front to enable this cultural shift.





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## Flipkart Enters Strategic Alliance with Google Cloud to Advance Innovation in a Digital-first Future

Google Cloud and Flipkart, India's homegrown consumer internet ecosystem, have entered into a multi-year strategic partnership to help fast-track Flipkart's innovation and cloud strategy. This partnership will propel Flipkart into its next phase of growth and advance its vision of on boarding India's next 200 million shoppers and lakhs of sellers.

Jeyandran Venugopal, Chief Product and Technology Officer, Flipkart said, "Our strategic alliance with Google Cloud will enable us to accelerate our digital transformation, power productivity and advance our innovation agenda. We are

excited by Google Cloud's unique strengths and experience in AI/ML and its proven scalability and security, all of which will be critical in our next phase of growth."

"Flipkart's growth in India has been powered by its digital-first strategy and forward thinking approach to cloud technology. As the company continues to scale and grow its ecommerce platform, we will work together to drive technological innovations and help Flipkart drive breakthrough businesses in the future," said Bikram Singh Bedi, Managing Director, Google Cloud India.

## Intel to Acquire Tower Semiconductor for \$5.4 Billion

Intel Corporation and Tower Semiconductor, a leading foundry for analog semiconductor solutions, announced a definitive agreement under which Intel will acquire Tower for \$53 per share in cash, representing a total enterprise value of approximately \$5.4 billion. The acquisition significantly advances Intel's IDM 2.0 strategy as the company further expands its manufacturing capacity, global footprint and technology portfolio to address unprecedented industry demand.

"Tower's specialty technology portfolio, geographic reach, deep customer relationships and services-first operations will help

scale Intel's foundry services and advance our goal of becoming a major provider of



foundry capacity globally," said **Pat Gelsinger, Intel CEO**. "This deal will enable Intel to offer a compelling breadth of leading-edge nodes and differentiated specialty technologies on mature

nodes – unlocking new opportunities for existing and future customers in an era of unprecedented demand for semiconductors."

## Vedanta and Foxconn Sign MOU for Manufacturing Semiconductors in India

Vedanta, one of India's leading multinational groups, and Hon Hai Technology Group ("Foxconn"), world's largest electronics manufacturing company, announced signing an MOU to form a joint venture company that will manufacture semiconductors in India.

This first-of-its-kind joint venture between the two companies will support Indian Prime



Minister Narendra Modi's vision to create an ecosystem for semiconductor manufacturing in India.

According to the MOU signed between the two companies, Vedanta will hold the majority of the equity in the JV, while Foxconn will be the minority share-

holder. **Vedanta Chairman Anil Agarwal** will be the Chairman of the joint venture company.

The targeted project plans to invest for manufacturing semiconductors. It will provide a significant boost to domestic manufacturing of electronics in India. Discussions are currently ongoing with a few State Governments to finalize the location of the plant.

The collaboration between Vedanta and Foxconn follows the India Government's recent policy announcement for Electronics Manufacturing & PLI scheme for incentivizing organizations to contribute towards development of this sector. This will be the first joint venture in the electronics manufacturing space after the announcement of the policy.

## Semicon India takes a step forward with Acceptance of Applications for Semiconductor and Display Fabs

In order to widen and deepen the electronic manufacturing and ensure development of a



robust and sustainable Semiconductor and Display ecosystem in the country, the Union Cabinet approved the Semicon India Programme with an outlay of INR 76,000 crore on 15.12.2021.

The first round of applications was invited till 15.02.222 for establishment of Semiconductor and Display Fabs. Despite aggressive timelines for submission of applications in this Greenfield segment of semiconductor and Display manufacturing, the scheme has elicited good response.

## Sanmina and Reliance Create Manufacturing Joint Venture in India

Sanmina Corporation (Sanmina), a leading integrated manufacturing solutions company and Reliance Strategic Business Ventures Limited (RSBVL), a wholly-owned subsidiary of Reliance Industries Limited (RIL), India's largest private sector company, announced that they have entered into an agreement to create a joint venture through an investment in Sanmina's existing Indian entity (Sanmina SCI India Private Ltd, "SIPL"). This partnership will leverage Sanmina's 40 years of advanced manufacturing experience and Reliance's expertise and leadership in the Indian business ecosystem. The day-to-day business will continue to be managed by Sanmina's existing management team in Chennai, which will be seamless from an employee and customer perspective.

The joint venture will create a world-class electronic manufacturing hub in India, in line with the Hon'ble Prime Minister's "Make in India" vision. The joint venture will prioritize high technology infrastructure hardware, for growth markets, and across industries such as communications networking (5G, cloud infrastructure, hyperscale datacenters), medical and healthcare systems, industrial and cleantech, and defense and aerospace. In addition to supporting Sanmina's current customer base, the joint venture will create a state-of-the-art 'Manufacturing Technology Center of Excellence' that will serve as an incubation center to support the product development and hardware start-up ecosystem in India, as well as promote research and innovation of leading-edge technologies.

"We are excited to partner with Reliance to build the premier integrated manufacturing solutions company in India," stated **Jure Sola, Chairman**



**and Chief Executive Officer of Sanmina**. "This joint venture will service both domestic and export markets and represents a major milestone in the Indian governments "Make in India" initiative."

**Akash Ambani, Director, Reliance Jio**, said, "We are

delighted to work with Sanmina to access the significant market opportunity for high-tech manufacturing in India. For both growth and security, it is essential for India to be more self-reliant in electronics manufacturing in Telecom, IT, Data Centers, Cloud, 5G, New Energy and other industries as we chart our path in the new digital economy. Through this partnership we plan to boost innovation and talent in India, meeting both Indian and global demand."





# Microsoft announces intent to establish India datacenter region in Hyderabad

Microsoft announced its intent to establish its latest datacenter region in Hyderabad, Telangana. This strategic investment is aligned with Microsoft's commitment to help customers thrive in a cloud and AI-enabled digital economy and will become part of the world's largest cloud infrastructure.

Customer demand for cloud as a platform for digital transformation, driving economic growth and societal progress across India, is increasing. According to IDC\*, Microsoft datacenter regions in India contributed \$9.5B revenue to the economy between 2016 and 2020. Beyond GDP impact, the IDC report estimated 1.5 million jobs were added to the economy, including 169,000 new skilled IT jobs.



**Rajeev Chandrasekhar, Minister of State for Skill Development & Entrepreneurship and Electronics & Information Technology of India** shared, "Today's commitment to the people and businesses

of India will position the country among the world's digital leaders. A Microsoft datacenter region provides a competitive advantage to our digital economy and is a long-term investment in our country's potential. The cloud is transforming every industry and sector. The investment in skilling will empower India's workforce today and into the future."

The Hyderabad datacenter region will be an addition to the existing network of three regions in India across Pune, Mumbai, and Chennai. It will offer the entire Microsoft portfolio across the cloud, data solutions, artificial intelligence (AI), productivity tools, and customer relationship management (CRM) with advanced data security, for enterprises, start-ups, developers, education, and government institutions.

To support customer needs for high availability and resiliency, Microsoft launched Azure Availability Zones in December 2021 in its Central India datacenter region. This forms the most extensive network of datacenters in the country with disaster recovery provisions and coverage of seismic zones.



**Stephanie Trautman, Chief Growth Officer, Wipro** said, "Wipro and Microsoft have been working together for more than two decades to help enterprises drive business growth, enhance customer

experience, and provide connected insights. Microsoft's new datacenter in India will help advance our collaboration and drive ongoing innovation for shared client relationships. As Indian enterprises continue to transition and expand their involvement in cloud computing,

this facility will provide the critical infrastructure foundation for developers and organizations of all sizes to create new customer experiences, support their business, and harness innovation at scale."

## Creating opportunities for innovation in a digital economy, through skilling

Telangana is emerging as a 'challenger' in the Indian IT sector for its software exports registering an increase by seven percent year-over-year to reach Rs. 5 trillion (\$67.4 billion) in FY21.[2]

In the city of Hyderabad and across the state of Telangana, Microsoft will enable opportunities for local businesses to innovate with Microsoft Cloud services. Microsoft is partnering closely with the government of Telangana to accelerate the adoption of cloud, AI, IoT and cybersecurity solutions for governance. This includes efforts to upskill government officials in next generation technology, supporting young girls to build careers in cybersecurity through the CyberShikshaa program, and partnering on skilling programs like DigiSaksham with the Ministry of Labour and Employment to equip jobseekers from rural areas with technical skills.



**Shri. KT Rama Rao, Minister Municipal Administration & Urban Development, Industries & Commerce, and Information Technology, Government of Telangana,** said, "I am extremely

delighted that Microsoft chose Hyderabad as the destination for its largest datacenter investment in India. This will also be one of the largest foreign direct investments (FDIs) the state has attracted. Microsoft and Telangana have a long history, with Hyderabad hosting one of the largest Microsoft offices in the world, and I am happy to see the relationship grow."



**Anant Maheshwari, President, Microsoft India** said, "Cloud services are poised to play a critical role in reimagining the future of business and governance and enabling overall inclusion in

the country. The new datacenter will augment Microsoft's cloud capabilities and capacity to support those working across the country. It will also support new entrepreneurial opportunities while meeting critical security and compliance needs. The new datacenter region is a testament to our mission to empower the people and organizations of India to achieve more. We are pleased to be collaborating with the Government of Telangana on this major milestone and we deeply appreciate their support."

## Over 1 lakh exporters are showcasing Made in India products through the Amazon Global Selling program

The last two years of the pandemic may have restricted people's movement across the globe, but it has also established that businesses need to transcend geographical barriers to flourish. Recent data released by the Gov-



ernment of India's Ministry of Commerce and Industry indicates that India's export

growth is steadily contributing to the turnaround in the economy. A major driver of this growth is the vision of building an atmanirbhar Bharat, a vision that Amazon India has long been committed to.

Working with industry peers, trade associations, state and central government bodies, and export councils, Amazon is committed to making exports simpler and more accessible to businesses of all sizes. As part of its Global Selling program, various on-ground events and workshops are organized at regular intervals to generate awareness on the benefits of e-commerce exports in key export clusters across India. The program started in 2015 with just 100 exporters. It is designed to cater to the business needs of Indian exporters and creating the right infrastructure and support system needed to enable businesses of all sizes to export from India by leveraging e-commerce.

So far, the Global Selling program has enabled over 1 lakh Indian exporters to reach global consumers. These manufacturers are showcasing 140 million+ Made in India products in over 200 countries and territories across the world. Cumulatively, they have added \$3 billion to India's economy. Many sellers on the program come from non-metros, and are first generation entrepreneurs and emerging brands. Notably, there has been a 30% year-on-year increase in new sellers joining the Global Selling program in the last two years.

## Launching Infosys Metaverse Foundry: Service to Accelerate Enterprises' Ability

Infosys, a global leader in next-generation digital services and consulting, launched Infosys metaverse foundry to ease and fast-track enterprises' exploration of the metaverse, including virtual and augmented environments, for their customers, workplace, products and operations. Infosys metaverse foundry converges the power of domain and design expertise, platforms and digital accelerators, with strong relationships in a rich creator-partner economy. Enterprises can harness this confluence of capabilities as services on-tap, with the flexibility to ramp up and down their explorations at will. This gives them on-demand ability to securely and efficiently create their own metaverse environment, deliver signature experiences in an existing metaverse, and bring advanced AI-powered data analytics and simulations to realize their evolving aspirations as the internet evolves.



**Ravi Kumar S, President, Infosys,** said, "The physical and virtual worlds are already smoothly and ubiquitously interwoven. The metaverse will deepen this overlap and in very experiential ways that will create abundant space

for business innovation. We want to help our clients to quickly double down on those opportunities in a find-fast, learn-faster environment before they can reorient their own capabilities, processes and culture in-house to respond to this rapidly evolving space."

## Apple unveils M1 Ultra, the world's most powerful chip for a personal computer

Apple announced M1 Ultra, the next giant leap for Apple silicon and the Mac. Featuring UltraFusion — Apple's innovative packaging architecture that interconnects the die of two M1 Max chips to create a system on a chip (SoC) with unprecedented levels of performance and capabilities — M1 Ultra delivers breathtaking computing power to the new Mac Studio while maintaining industry-leading performance per watt. The new SoC consists of 114 billion transistors, the most ever in a personal computer chip. M1 Ultra can be configured with up to 128GB of high-bandwidth, low-latency unified memory that can be accessed by the 20-core CPU, 64-core GPU, and



32-core Neural Engine, providing astonishing performance for developers compiling code, artists working in huge 3D environments that were previously impossible to render, and video professionals who can transcode video to ProRes up to 5.6x faster than with a 28-core Mac Pro with Afterburner.

"M1 Ultra is another game-changer for Apple silicon that once again will shock the PC industry. By connecting two M1 Max die with our UltraFusion packaging architecture, we're able to scale Apple silicon to unprecedented new heights," said Johny Srouji, Apple's senior vice president of Hardware Technologies. "With its powerful CPU, massive GPU, incredible Neural Engine, ProRes hardware acceleration, and huge amount of unified memory, M1 Ultra completes the M1 family as the world's most powerful and capable chip for a personal computer."

## Apple introduces the most powerful and versatile iPad Air ever

Apple introduced the new iPad Air with the Apple-designed M1 chip, delivering a massive leap in performance. Available in a new array of colours, iPad Air also features the new Ultra Wide front camera with Center Stage for a more natural video conferencing experience, a USB-C port with up to 2x faster transfer speeds, and blazing-fast 5G on cellular models — starting at the same affordable price. Advanced cameras and compatibility with the latest accessories enable users, including content creators, gamers, and students, to push the boundaries of creativity, productivity, and self expression. The new iPad Air is available to order beginning Friday, March 11, and will be in stores beginning Friday, March 18.

"Whether it's a college student taking elaborate notes, a content creator working on their latest project, or a gamer playing graphics-intensive titles, users love iPad Air for its amazing performance and versatility in such a portable design," said Greg Joswiak, Apple's senior vice president of Worldwide Marketing. "With the breakthrough M1 chip, Ultra Wide front camera with Center Stage, and ultra-fast 5G, iPad Air is now more powerful, more capable, and simply more fun than ever."

### M1 Brings a Massive Leap in Performance to iPad Air

The breakthrough M1 chip in iPad Air delivers a giant performance boost to even the most demanding apps and workflows, with incredible power efficiency and all-day battery life.<sup>1</sup> The 8-core CPU delivers up to 60 percent faster performance, and the 8-core GPU delivers up to 2x faster graphics performance compared to the previous iPad Air. Combined with the CPU and GPU, a 16-core Neural Engine powers advanced machine learning (ML) functions that enable next-level experiences. From editing multiple streams of 4K video, to playing graphics-intensive games, redesigning a room in 3D, and more realistic augmented reality (AR), the performance of M1 enables users to do more than ever with iPad Air.



## Apple unveils all-new Mac Studio and Studio Display

Apple introduced Mac Studio and Studio Display, an entirely new Mac desktop and display designed to give users everything they need to build the studio of their dreams. A breakthrough in personal computing, Mac Studio is powered by



M1 Max and the new M1 Ultra, the world's most powerful chip for a personal computer. It is the first computer to deliver an unprecedented level of performance, an extensive array of connectivity, and completely new capabilities in an unbelievably compact design that sits within arm's reach on the desk. With Mac Studio, users can do things that are not possible on any other desktop, such as rendering massive 3D environments and playing back 18 streams of ProRes video.<sup>1</sup> Studio Display, the perfect complement to Mac Studio, also pairs beautifully with any Mac. It features an expansive 27-inch 5K Retina display, a 12MP Ultra Wide camera with Center Stage, and a high-fidelity six-speaker sound system with spatial audio. Together, Mac Studio and Studio Display transform any workspace into a creative powerhouse. They join Apple's strongest, most powerful Mac lineup ever, and are available to order today, arriving to customers beginning Friday, March 18. "We couldn't be more excited to introduce an entirely new Mac desktop and display with Mac Studio and Studio Display," said Greg Joswiak, Apple's senior vice president of Worldwide Marketing. "Mac Studio ushers in a new era for the desktop with unbelievable performance powered by M1 Max and M1 Ultra, an array of connectivity, and a compact design that puts everything users need within easy reach. And Studio Display — with its stunning 5K Retina screen, along with the best combination of camera and audio ever in a desktop display — is in a class of its own."

## Apple announces the new iPhone SE: a powerful smartphone in an iconic design

Apple announced iPhone SE, a powerful new iPhone in an iconic design, with exceptional capabilities and performance at an incredible price. iPhone SE comes in a compact and durable



design, and together with iOS 15, delivers a seamless user experience. The new iPhone SE features

impressive upgrades including the performance of A15 Bionic, which powers advanced camera capabilities and makes nearly every experience better, from photo editing to power-intensive operations like gaming and augmented reality. Along with 5G, longer battery life, and improved durability, iPhone SE comes in three stunning colours — midnight, starlight, and (PRODUCT) RED.<sup>1</sup> iPhone SE will be available for pre-order this Friday, March 11, with availability beginning Friday, March 18.

"iPhone SE has been an incredibly popular choice with our existing users and for new iPhone

customers, thanks to its iconic design, exceptional performance, and affordable price. This year we've built the most powerful and durable iPhone SE yet, with better battery life thanks to A15 Bionic, the same chip as our iPhone 13 lineup that also unlocks advanced camera features like Smart HDR 4, Photographic Styles, and Deep Fusion," said Kaiann Drance, Apple's vice president of Worldwide iPhone Product Marketing. "And with 5G, iPhone SE gives users faster downloads and uploads, higher quality video streaming, real-time interactivity in apps, and much more. Delivering the latest generation of technology and performance at this price is something only Apple can do."



## Intel Launches Xeon D Processor Built for the Network and Edge

Intel launched new Intel® Xeon® D processors: the D-2700 and the D-1700. They are Intel's newest system-on-chip (SoC) built for



the software-defined network and edge, with integrated AI and crypto acceleration, built-in Ethernet, support for Intel® Time Coordinated Computing (Intel® TCC) and Time Sensitive Networking (TSN), and industrial-class reliability. New Intel Xeon D processors extend com-

pute with acceleration beyond the core data center, generating a better overall experience for key network and edge usages and workloads.

Two new additions to Intel's networking and edge processor family, the Intel® Xeon® D-2700 and Intel® Xeon® D-1700, meet customers where they need compute the most: in space- and power-constrained ruggedized environments. They feature industrial-class reliability, multiple hardware-based security capabilities and up to 56 high-speed PCIe lanes to support high-bandwidth networks with up to 100Gb Ethernet. Intel® Xeon® D-1700 is scalable from 4 to 10 cores and the Intel Xeon D-2700 is scalable from 4 to 20 cores, delivering a broad platform family for customers to tailor solutions for the compute and performance they need.

## New AMD Ryzen Threadripper PRO 5000 WX-Series Processors are the Ultimate Workstation Processors for Professionals

AMD announced the new AMD Ryzen™ Threadripper™ PRO 5000 WX-Series workstation processors, led by the



64-core, 128-thread AMD Ryzen Threadripper PRO 5995WX. Building on the best-selling and award-winning

Ryzen Threadripper PRO 3000 WX processors, the Ryzen Threadripper PRO 5000 WX-Series processors bring dom-

inant, full-spectrum performance leadership across multiple workstation workloads due to the performance and efficiency of the "Zen 3" core architecture and increased processor frequencies. Today also marks the launch of the first workstations powered by the new AMD Ryzen Threadripper PRO 5000 WX-Series processors – the Lenovo ThinkStation P620 featuring all five of the AMD Ryzen Threadripper PRO 5000 WX-Series processor models – providing workstation users with industry-leading performance.<sup>2</sup>

## MediaTek Launches Dimensity 8000 5G Chip Series for Premium 5G Smartphones

MediaTek launched the Dimensity 8100 and Dimensity 8000 system-on-chips (SoCs) to



bring flagship level technology – connectivity, displays, gaming, multimedia and imaging features – to premium 5G smartphones.

Both chips borrow the advanced technology from MediaTek's powerful flagship Dimensity 9000 platform and package it into the new Dimensity 8000 series which is built on the

ultra-efficient TSMC 5nm production process with an octa-core CPU.

The Dimensity 8100 integrates four premium Arm Cortex-A78 cores with speeds reaching 2.85GHz, and the Dimensity 8000 has four Cortex-A78 cores operating at up to 2.75GHz. Both chips combine an Arm Mali-G610 MC6 GPU with MediaTek's HyperEngine 5.0 gaming technologies for exceptional power-efficiency that extends play time, and best-in-class frame rates – 170fps for the Dimensity 8100 and 140fps for the Dimensity 8000. Quad-channel LPDDR5 memory and UFS 3.1 storage ensure ultra-fast data streams.

## Micron Delivers World's Most Advanced 176-Layer NAND Data Center SSD

Micron Technology, Inc., announced it is sampling the world's first vertically-integrated 176-layer NAND solid-state drive (SSD) for the data cen-

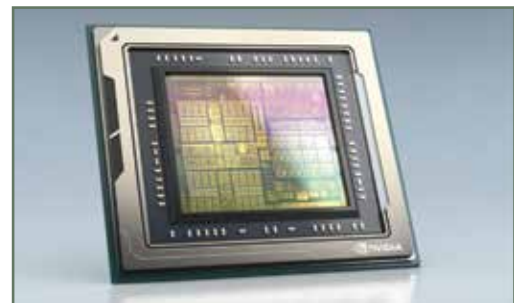


ter. The Micron 7450 SSD with NVMe™ delivers quality-of-service (QoS) latency at or below 2 milliseconds (ms), a wide capacity range and the broadest set of form factors available to meet the needs of the most demanding data center workloads.

This new data center SSD includes Micron's industry-leading NAND, which contains 176 layers of storage cells and proven CMOS-under-the-array technology, to deliver an ultraefficient design. Integrated with Micron's own DRAM, internally developed SoC and associated firmware, this vertically integrated SSD enables the company to rapidly respond to customer needs in the market and support strengthened device security.

## NVIDIA Announces Partnership with Jaguar Land Rover

Jaguar Land Rover and NVIDIA are redefining modern luxury, infusing intelligence into the customer experience.



As part of its Reimagine strategy, Jaguar Land Rover announced today that it will develop its upcoming vehicles on the full-stack NVIDIA DRIVE Hyperion 8 platform, with DRIVE Orin delivering a wide spectrum of active safety, automated driving and parking systems, as well as driver assistance systems built on DRIVE AV software. The system will also deliver AI features inside the vehicle, including driver and occupant monitoring and advanced visualization, leveraging the DRIVE IX software stack.

## Hewlett Packard Enterprise and Qualcomm Technologies Announce Collaboration to Deliver the Next-Generation 5G Virtualized Distributed Unit Solutions

Qualcomm Technologies, Inc. and Hewlett Pack-



ard Enterprise (HPE) announced plans to collaborate to deliver the next generation of

5G distributed units, powered by Qualcomm Technologies' inline accelerator card, the Qualcomm® X100 5G RAN. This collaboration aims to address the demands of next-generation networks, simplify deployments and lower total cost of ownership (TCO) by delivering high-performance, O-RAN-compliant, energy-efficient, virtualized, cloud-native 5G solutions. Together, the companies aim to transform how networks

are designed and next-generation services are delivered.

This combination of Qualcomm Technologies' 5G leadership and HPE's telecommunication infrastructure expertise will help to ensure virtualized and open RAN platforms are ready to support the high-capacity and low-latency demands of future networks that are needed to enhance user experiences.

## Savex Technologies and Freshworks join

Savex Technologies has signed a distribution agreement with Freshworks Inc., a leading software company empowering businesses to delight their customers and employees. This partnership enables Savex to make use of Freshworks' suite of products for building customer and employee engagement solutions for Indian businesses.



"Freshworks products are designed so that business users are delighted to use them," said **Hervé Danze-laud, vice president of Global Channels and Alliances at Freshworks.** "By partnering with Savex, brands in India will be able to use Freshworks products and better

serve their employees and in turn their customers."



**Raunak Jagasia, Director Enterprise Business and Alliance at Savex Technologies Pvt. Ltd.** said, "We are Glad to collaborate with Freshworks – cloud based Customer Support Software, quick to implement and designed best with ease of use for the end-users. This association would facilitate our partners to support businesses of all sizes with the right Lead Management solution, boosting powerful marketing and sales analysis, activity tracking and managing business process on a single platform to delight our mutual customers".

## Consistent Infosystems Pvt Ltd opens new branch in Hyderabad

Consistent Infosystems Pvt Ltd, one of the fastest growing organizations in the era of technology has opened its new branch on 17th January 2022 at Hyderabad. Today, CIPL is one of the fastest



growing organizations in the Information Technology, Electronics and Home Entertainment industry with world-class technical support and servicing

along with multiple service centers across the country CIPL aims at ensuring complete customer satisfaction. Quality and Service as the main focus, CIPL constantly invests in resources like Intelligence, time and human resources management. Consistent has been growing consistently with

its innovative and advanced ideas. It has invincibly spread widely and successfully during the last decade, with more than 16 branch offices supported by the strength of 250 plus working associates in every state of India and more than thousands of channel partners across the globe.

The Hyderabad Branch will be headed by Mulagani Ramaiah Reddy and the Service centre will be handled by J. Krishna Gandhi.

Last November the brand also opened its new branch in Kerala state and soon will strengthen its position in the southern part of India.

As per Rakesh Kumar, Business Head Consistent Infosystems Pvt Ltd says, We have also opened our new branch two months back in Nov 21 in Kerala State and it will be headed by Rajagopal and service center will be handled by Shiv Kumar. We have a presence now all over South India, which includes Karnataka, Kerala, Telangana and very soon will have our presence in Andhra Pradesh-Vijayawada.

## Redington Partners with Check Point Software Technologies to bring cyber-security solutions to SMBs in India

Redington India Limited, the largest IT software and products distributor in India announced its partnership with Check Point Software Technologies, a leading provider of cyber security solutions globally. This partnership highlights both companies' commitment to provide uncompromised security to the Small and Medium Sized Business (SMB) market in India.

As part of this partnership, Redington will be a distributor for Check Point Software's cybersecurity solutions to SMBs in India, through their 15,000-strong partner network. Check Point Software's Quantum Spark series of gateways enable organizations to secure their network, cloud, mobile, endpoints and IoT devices. Check Point Quantum Spark Gateways extends Enterprise grade security to SMB customers through an easy to manage, deploy and affordable solution offering.

Redington's extensive distribution management and distribution network experience combined with Check Point Software's expertise in cybersecurity will ensure a range of innovative products and services are delivered to the Indian market efficiently.

Commenting on the partnership, **Manish Alshi,**



**Senior Director – Channels, Check Point Software Technologies (India & SAARC)** said, "As the threat landscape for SMBs becomes more complex, the demand for cybersecurity solutions that protect organizations across all vectors has grown. Our partnership with Redington, India's largest IT software and products distributor will enable us to reach more segments of the Indian market and protect SMBs against all kinds of cyber threats."

## RP tech India Outlines Ambitious Growth Vision for Networking Business

RP tech India, the fastest-growing B2B IT solutions company recently organised the first-ever networking meet for its champions to provide them in-depth knowledge on the networking vertical and brainstorm on the go-to-market strategy (GTM) for the networking business. Themed as 'Together Towards Tomorrow', the objective of the two-day conference was to connect with reconnect champions and guide them on the present future roadmap for networking business. Champions from across 50 branches participated in the two-day conference held on 18th and 19th February at Hotel Sahara Star in Mumbai.

Highlighting the aim of the event, **Harish Agarwal,**



**Business Manager – Networking at RP tech India** said, "It was the first physical event post-pandemic and we leveraged this platform to reconnect with our champions and vendors. The networking vertical

showed promising growth during the lockdown and we expect the same momentum for FY 2022-23. We will continue to invest in knowledge sharing and

training to offer the best solutions to consumers."

The COVID-19 pandemic triggered the demand for distance learning and remote working solutions paving the way for the growth of the IT hardware industry. The demand for networking solutions such as Wi-fi routers and switches, cables, Wi-fi Access points etc. also witnessed a steady growth during the pandemic. As Corporates and Educational Institutes adopt the hybrid model of physical and virtual work setup, the demand for networking solutions is set to grow. RP tech India has a strong networking solutions portfolio of renowned global brands including TP-Link, Mercusys, Ubiquiti, Aten, Belden, Cambium, Asus Networking and Cornelis Networks. "We are very bullish on the networking business. We have a strong brand portfolio and we will add



more brands to offer comprehensive networking solutions to B2B and B2C consumers through our strong distribution network", said **Rajesh Goenka, Director, Sales and Marketing, RP tech India.**

## Seagate Expands Lyve Cloud Storage Services to Singapore

Seagate Technology Holdings plc, a world leader in data storage infrastructure solutions, launched its premiere cloud storage-as-a-service platform, Lyve™ Cloud, for businesses of all sizes in Singapore. The S3-compatible storage-only cloud known for its simplicity, flexibility and cost predictability has been trusted by many partners and customers since its launch in the United States last year.

"The Singapore launch marks Lyve Cloud's anniversary, and I am proud that we are demonstrating our commitment to helping enterprises in more countries harness the flow of mass data," said **Ravi Naik, chief information**



**officer and executive vice president storage services for Seagate.** "This journey has been extraordinary with our close relationships with like-minded partners and customers who understand the value of data and are eager to accelerate their digital transformation and innovation."



# The role of women in India's economic growth story

A wise man of great intellect and power once said, "The best measure of a nation's progress is the way it treats its women." For centuries,

Today, India is the 3rd largest ecosystem in terms of Startups in the world and also, the 3rd largest in the Unicorn community. However, only 10%

only generate 11 million jobs, but could also increase women's economic and social welfare as they venture out into formal work. It is piv-



women have faced challenges and hurdles and that has bestowed on them infinite patience, perseverance and have only helped them emerge stronger.

Over the past few decades, women working professionals have worked assiduously, with their talent, dedication and enthusiasm. They contribute massively towards India's economic growth and prosperity. At present, there are 432 million women of working-age in India, out of which 343 million are employed in the unorganized sector. A report by McKinsey Global Institute has estimated that just by offering equal opportunities to women, India could add US\$ 770 billion to its GDP by 2025. Yet, the present contribution of women to the GDP remains at 18%.

Even in rural India, women have been achieving new milestones everyday. Despite social and familial exclusion, women have asserted their right to financial independence, built businesses from the scratch and inspired those around them. In the panchayat system, 50% reservation is offered to women while many national programmes, such as 'National Rural Livelihood Mission', are providing leadership opportunities to them at the grassroots level. Government initiatives like the 'Swachh Bharat Mission' and 'Mahatma Gandhi National Rural Employment Guarantee Act' has provided women workforce with supervisory job opportunities.

of them have been led by women founders. The need of the hour is to mobilize more support – mentally and financially – for women entrepreneurs and help them kickstart their journey. Fortunately, the last few years have seen a paradigm shift in the entire process of women becoming business leaders and founding companies.

However, as a result of the challenges posed by the pandemic, India's gender gap has widened by 4.3%, owing to the dipping economic opportunities for Indian women, leading to a decline in their participation in the formal workforce. The aftershocks of the pandemic crisis are also being felt in the informal labour market. The plethora of unpaid tasks limits a woman's time and thereby, her ability to make choices. This holds them back from pursuing higher education and skill development, inhibiting their entrepreneurial growth.

The way to enhance women's economic empowerment is not just by increasing female employment opportunities, but also reducing the double shift burden women face. There is a need for adoption of the 3Rs approach, which involves Recognising, Reducing and Redistributing the unpaid care work done by women in all areas of policymaking. This can be done by facilitating women's work as investment in public-sector care infrastructure. Public investment of just 2% of India's GDP in the care economy, could not

otal to have women-centric and women-friendly policies in place with an aim to encourage and support women entrepreneurship in India. There is also an urgent need to ensure that significant interventions take place to provide easier access to banks and other financial institutions, as well as tax incentives.

The CII National Committee on Women Empowerment works with industry to strengthen women's role and participation in the economic sphere and community affairs, focussing on gender equality and prevention of sexual harassment at workplace and women empowerment at the community level. CII has also instituted the annual CII Woman Exemplar Award for women who have worked towards development initiatives in the fields of education and literacy, health and micro enterprises. The Committee, along with partner organisations like the United Nations Fund for Women (UNIFEM), conducts periodic studies on women empowerment in the workplace and holds conferences, seminars, workshops, gender sensitization programmes. Women empowerment with gender equality is the key to fundamental human rights and is pivotal in our journey towards a more peaceful, progressive and sustainable world. Evolving and closing gender divide is inevitable and is being made possible through equal opportunities and equal representation for women.



# Beyoncé asked “Who run the world?” ... We announced “STLhers do!!”



It has been a long day in Silvassa as the Sun sets over the western shoreline of India. As many industries start shutting shop for the evening, a few facilities keep churning out products that help connect you and me to our loved ones, to our friends and colleagues, and to the plethora of online services! Optical connectivity is at the heart of communication networks, and the demand for optical components – be it optical fiber cable or the connectivity equipment that forms the network – is at an all time high. To cater to this burgeoning demand, STL has had to produce more, produce faster and produce it First-Time-Right! And we have more than stepped up to the challenge!

Did you know our First Time Right (FTR) rate and Operating Equipment Efficiency (OEE) rate have improved by 5 % over the last 4 years? The direct impact of these improvements have meant that STL has been able to deliver more solutions, sooner to customers and accelerate in its journey to transform billions of lives. What made this happen?

This journey started 4 years back on 5th July 2018 at STL's cable factories in Silvassa. It was then that the paradigm shift occurred. Echoing the words of Steve Case, the founder of AOL and former Chairman of Time-Warner, we believed that “one shouldn't focus on why they can't do something, which is what most people do. One should focus on why perhaps they can, and be one of the exceptions”.

With this spirit, we started a section run by an all-women's team. We had 45 female machine operators, including a cohort of 15 young, female Diploma Engineers, who had a personal ambition to work in the manufacturing unit. They were personally motivated to defy traditional preconceptions and set new benchmarks of work discipline and job excellence.

Was this new for us and new for India? Yes. Did it require some serious thinking? I believe it did.

Are we glad we took the plunge? **Extremely!**

We are glad to have led this charge in the Indian high-tech manufacturing environment, because it made sense! The all-women teams have increased productivity and improved efficiency at our plant. At a higher level, this team of STLhers has proved that talent, not gender, is what sets individuals

apart.

So what did they do, and where are they now? That cohort of machine operators ran the colouring and ribboning machines in the Optical Fibre Cable plant. The team, with members aged between 20 to 24 years old, steadily increased



cable output and consistently beat quality parameters! Whether they embraced their wins, or owned up to their occasional loss, they always moved forward. Through sheer determination and a hunger for learning and growth over the past 4 years, many have groomed themselves into shift leaders and supervisors of the coloring and ribboning section. Just ask Tarannum, Sonali and Neha Kumari. And what a great example they have been to others. Today STL is proud of having over 150 female operators working in core operations across our units in Silvassa.

**But was this a one time thing?** Not even close! Female technicians have often displayed heightened motor skills and advanced dexterity, and we can't get enough of it! In Sept 2020, we hired 20 women to work on our assembly lines in our Optical Interconnect facility in Silvassa. As expected, this team is doing wonders! The team recently exported a large shipment of connectivity solutions to a key European customer, boosting up new revenues! As this group of STLhers grows to 200 strong, we are counting on them to be the backbone of our Optical Interconnect assembly unit.



**Let me tell you about the superwoman Surekha!** Surekha Torawane joined STL on 17th August 2020 as an assembly line operator. Her personal objective was to financially support her family; her husband was already associated with STL for over a decade. We are very proud to see how Surekha went from being an individual contributor to leading the batch of 24 assembly line operators as a shift supervisor. She makes sure all the members in the team are aligned, focused, and committed to fulfilling STL's promise to our customers. Beyond her role as Supervisor, she has also motivated and influenced 20 women in her village to grasp professional opportunities to earn a living and build a career.

*Surekha Says, “The price of success is hard work, dedication, and determination”. She also added her teams feels safe and as a family working at STL*



**What have I learnt from Surekha and others as their strong motivation?** It's that for a lot of us, the greatest reward is acknowledgement. We all need, desire, and want to be acknowledged when we perform well, and seek feedback and guidance when we fall short. The work environment is the one place that can motivate us intrinsically. As team leaders and people managers, we must remember that our own personal growth and the development of our team members starts with simple acknowledgment of work and efforts!

**So where do we go from here?**

Today, we have more than two hundred women working in our Optical Interconnect business as assembly line operators who, until recently, were limited to being homemakers. We know that there is a long way to go before we reach gender parity in the manufacturing sector. However, these STLhers in manufacturing roles have proved to us that it is indeed possible, even plausible!

**Thomas Edison stated, “a vision without execution is just hallucination”.**

While accelerating our commitment to building a diverse, equitable and inclusive workplace at STL, we are sure that our Silvassa model will enable more women to enter operations, manufacturing, and supply chain jobs. This is the kind of vision we aspire to execute!





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