



The European Institute for the PCB Community

## EIPC SPEeDNEWS

*The Weekly On-Line Newsletter*  
*Issue 34 – December 2023*

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### ARTIFICIAL INTELLIGENCE NEWS

#### **U.S., Britain, other countries unveil agreement to make AI 'secure by design'**

WASHINGTON, Nov 27 (Reuters) - The United States, Britain and more than a dozen other countries on Sunday unveiled what a senior U.S. official described as the first detailed international agreement on how to keep artificial intelligence safe from rogue actors, pushing for companies to create AI systems that are "secure by design."

In a 20-page document unveiled Sunday, the 18 countries agreed that companies designing and using AI need to develop and deploy it in a way that keeps customers and the wider public safe from misuse.

The agreement is non-binding and carries mostly general recommendations such as monitoring AI systems for abuse, protecting data from tampering and vetting software suppliers.

Still, the director of the U.S. Cybersecurity and Infrastructure Security Agency, Jen Easterly, said it was important that so many countries put their names to the idea that AI systems needed to put safety first.

"This is the first time that we have seen an affirmation that these capabilities should not just be about cool features and how quickly we can get them to market or how we can compete to drive down costs," Easterly told Reuters, saying the guidelines represent "an agreement that the most important thing that needs to be done at the design phase is security."

The agreement is the latest in a series of initiatives - few of which carry teeth - by governments around the world to shape the development of AI, whose weight is increasingly being felt in industry and society at large.

In addition to the United States and Britain, the 18 countries that signed on to the new guidelines include Germany, Italy, the Czech Republic, Estonia, Poland, Australia, Chile, Israel, Nigeria and Singapore.

The framework deals with questions of how to keep AI technology from being hijacked by hackers and includes recommendations such as only releasing models after appropriate security testing.

It does not tackle thorny questions around the appropriate uses of AI, or how the data that feeds these models is gathered.

The rise of AI has fed a host of concerns, including the fear that it could be used to disrupt the democratic process, turbo-charge fraud, or lead to dramatic job loss, among other harms.

Europe is ahead of the United States on regulations around AI, with lawmakers there drafting AI rules. France, Germany and Italy also recently reached an agreement on how artificial intelligence should be regulated that supports “mandatory self-regulation through codes of conduct” for so-called foundation models of AI, which are designed to produce a broad range of outputs.

The Biden administration has been pressing lawmakers for AI regulation, but a polarized U.S. Congress has made little headway in passing effective regulation. The White House sought to reduce AI risks to consumers, workers, and minority groups while bolstering national security with a new executive order in October.



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---

### NEWS FROM AUSTRIA

#### **AT&S Establishes New R&D Center for IC Substrates and Packaging Technologies in Styria**

As a globally active high-tech group and a key driver of technological development in microelectronics, AT&S is currently completing its “lighthouse project” in Leoben-Hinterberg. The new R&D center for IC substrates and packaging technologies is a unique development and production center for connection technologies and substrates in the high-end technology sector in the western world. It will start production in 2024. 300 new jobs

The leading market position that AT&S has built up over the past decades allows the Leoben-based high-tech company to continue to grow. “We need bright minds and skilled hands for our future tasks,” says Eduard Lackner, Senior Manager HR for Austria at AT&S. The new competence center in Leoben will create a total of 700 new jobs. 270 new employees have already been brought on board, and the intensive search is now underway for a further 300 specialists.

300 new jobs have been advertised as operators in the production and manufacturing areas, in the laboratory (chemistry), in maintenance as well as positions aimed at HTL graduates as a first career opportunity. In general, basic technical training (such as electrical engineering, mechanical engineering, mechatronics or industrial installation), manual skills and reliability are required.

The cleanest workplace in Styria

This new R&D center with substrate production is an end-to-end clean room construction. With the ISO 3 and ISO 4 cleanrooms (or cleanroom

1000 and cleanroom 10,000) required for substrate production, these workplaces are cleaner than a hospital's surgery room, as even the smallest particles of dirt and contamination such as hair or make-up residue endanger the high-tech products. It is therefore fair to say that AT&S has established the cleanest working environment in Styria.

Reduced working hours, 300 euro shift bonus

What makes the jobs even more attractive is the five-shift operation and a fixed sequence of morning, afternoon and night shifts. The average annual working time is reduced to 32.4 hours per week. The remuneration models are enhanced with a shift bonus of 300 euros. "Even those who have previously worked in non-technical areas can apply for these positions at AT&S," says Eduard Lackner. "We have training programs and also make career changers fit for our high-tech world."

English is established as the corporate language in the multinational working environment at AT&S, but it is not a prerequisite for the production areas. "Production will start at the new center at the beginning of 2024, and we want to have as many new employees on board as possible for this intensive phase."



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---

### NEWS FROM FRANCE

#### **ICAPE GROUP consolidates its technological expertise by integrating Bordan Electronic Consult's assets in Germany**

FONTENAY-AUX-ROSES, France--(BUSINESS WIRE)--Regulatory News:

ICAPE Group have announced the acquisition of 100% of the assets of Bordan Electronic Consult, a German company specializing in the design of “custom-made” technical parts.

Since 2002, Bordan Electronic Consult has been developing a range of services focused on the distribution of technical parts to some thirty customers, mainly based in Germany. Thanks to strong sourcing partnerships, Bordan Electronic Consult offers its customers a wide spectrum of products, of which almost 80% are custom-made. In 2022, the company generated €0.9 million in revenue and a gross margin of over 35%.

With this operation, ICAPE Group established its CIPEM activity in Germany, dedicated to the distribution of “custom-made” technical parts, thereby consolidating its position as technological expert in this strategic market. The long-term partnerships forged by Bordan Electronic Consult will enable the Group to diversify its sourcing with suppliers based in Germany, Japan and Taiwan. The integration of this new asset within the Group should also generate potential purchasing, cost and sales synergies in the short and medium term.

Yann DUIGOU, CEO of ICAPE Group, stated: “We are delighted to be able to integrate Bordan Electronics Consult's assets into ICAPE Group. This well-known German player in the distribution of custom-made technical parts

reinforces our position as a technological expert at the service of our industrial customers. This new operation should also contribute to generate synergies by pooling our respective know-how. The objective of this acquisition, in line with our external growth strategy and our previous operations in this high-stake territory, will be to participate in the improvement of our local subsidiary's organic growth and profitability.”

In line with the Group's previous acquisitions in Germany, such as HLT in May 2023 and Princitec in September 2023, this operation was carried out by the subsidiary CIPEM Deutschland GmbH and financed 100% in cash. The integration of this new asset in the Group's accounts is effective from November 27, 2023.

#### About ICAPE Group

Founded in 1999, ICAPE Group acts as a key technological expert in the PCB supply chain. With a global network of 36 subsidiaries and a major presence in China, where most of the world's PCB production is done, the Group is a one-stop-shop provider for the products and services which are essentials for customers. As of December 31, 2022, ICAPE Group recorded a consolidated revenue of nearly €220 million.

For more information: [icape-group.com](http://icape-group.com)

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---

### NEWS FROM ISRAEL

#### **Eltek Ltd. Reports 2023 Third Quarter Financial Results**

Eltek Ltd. has announced its financial results for the quarter ended September 30, 2023.

##### Third Quarter 2023 Highlights

Revenues were \$11.9 million, up 15% over Q3 2022. Operating profit was \$2.3 million, up 105% over Q3 2022. Profit before tax was \$2.6 million compared to \$1.2 million at Q3 2022.

Net income was \$2.1 million or \$0.36 per fully diluted share, up 114% over Q3 2022.

As of September 30, 2023, cash and cash equivalents amounted \$11.3 million compared to \$8.3 million at the end of the previous quarter.

“In the third quarter of 2023, we achieved impressive financial results. We generated \$11.9 million in revenue, leading to a robust gross profit of \$3.7 million and a net profit of \$2.1 million. These exceptional numbers reflect the strong market demand for our products, underpinned by our efficient order selection, which strikes a balance between maximizing profitability and aligning with our production capabilities. As of the end of the quarter, our cash and cash equivalents stood at \$11.3 million, providing substantial financial support for our upcoming capital expenditure needs,” said Eli Yaffe, CEO of Eltek.

“The ongoing conflict in Israel underscores the critical significance of a domestic PCB industry. Such an industry would not only offer advanced technological solutions but also produce intricate circuits tailored to specific defence requirements, employing state-of-the-art technology, and ensuring the highest quality standards. Additionally, it would enable swift

delivery to meet the immediate demands of the defence sector. Eltek holds the status of an Essential Enterprise as designated by the Israeli government, granting us permission to operate around the clock, 365 days a year, as needed,” continued Mr. Yaffe.

“Over the past weeks, and up to the present moment, we have maintained seamless operations without any disruptions. In certain instances, we’ve even accelerated the delivery of products to our valued customers. Our dedicated workforce remains fully engaged, reporting for duty on their regular schedules. We have implemented a series of strategic measures to ensure we meet our customers’ demands. These includes securing commitments from our suppliers to continue delivering the essential raw materials to our facility in conformance with our orders, bolstering our inventory levels for selected raw materials and expediting the deliveries of crucial resources,” continued Mr. Yaffe.

“Eltek management and employees bow their heads in memory of those killed in the murderous attack that happened on October 7, 2023. Our thoughts and prayers are with the injured for a speedy recovery and the safe return of those who were abducted,” concluded Mr. Yaffe.

#### Third Quarter 2023 GAAP Financial Results

Revenues for the third quarter of 2023 were \$11.9 million, compared to \$10.3 million in the third quarter of 2022;

Gross profit for the third quarter of 2023 was \$3.7 million (31% of revenues) compared to \$2.4 million (23% of revenues) in the third quarter of 2022;

Operating profit for the third quarter of 2023 was \$2.3 million compared to operating profit of \$1.1 million in the third quarter of 2022;

Profit before income tax for the third quarter of 2023 was \$2.6 million compared to \$1.2 million in the third quarter of 2022;

Net income for the third quarter of 2023 was \$2.1 million or \$0.36 per fully diluted share compared to net income of \$1.0 million or \$0.17 per fully diluted share in the third quarter of 2022.

#### Third Quarter 2023 Non-GAAP Financial Results



EBITDA for the third quarter of 2023 was \$2.6 million (22% of revenues) compared to EBITDA of \$1.4 million (14% of revenues) in the third quarter of 2022.

#### First Nine Months 2023 GAAP Financial Results

Revenues for the first nine months of 2023 were \$34.4 million compared to \$29.2 million in the first nine months of 2022;

Gross profit for the first nine months of 2023 was \$9.6 million (28% of revenues) compared to \$6.1 million (21% of revenues) in the first nine months of 2022;

Operating profit for the first nine months of 2023 was \$5.3 million compared to operating profit of \$2.1 million in the first nine months of 2022;

Financial income for the first nine months of 2023 was \$0.8 million compared to financial income of \$0.8 million in the first nine months of 2022.

Profit before income tax for the first nine months of 2023 was \$6.0 million compared to \$2.9 million in the first nine months of 2022;

Net profit for the first nine months of 2023 was \$5.0 million or \$0.85 per fully diluted share compared to net profit of \$2.4 million or \$0.41 per fully diluted share in the first nine months of 2022.

#### First Nine Months 2023 Non-GAAP Financial Results

EBITDA for the first nine months of 2023 was a \$6.2 million (18% of revenues) compared to EBITDA of \$3.3 million (11% of revenues) in the first nine months of 2022.



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---

### NEWS FROM LITHUANIA

#### **Teltonika PCB Plant under construction: Time Capsule Buried**

Construction work on the site of the Teltonika printed circuit board (PCB) factory in Vilnius is moving forward rapidly. With the installation of reinforced concrete structures, the outline of the future plant has become clear, and on Tuesday, a symbolic time capsule with a letter to future generations was buried in the foundations of the building.

The 33,000 square metre factory will have the highest level of automation currently available and will employ around 250 highly skilled workers in the factory and administrative areas. The plant is expected to have its roof on later this year, followed by interior fitting-out work. The plant is expected to start operations in early 2025. It will be one of the most advanced plants of its kind in Europe and a unique project on the continent.

“It has been a couple of decades since anyone in Europe has built a new PCB factory. This market is dominated by Asian countries and Europe has a shrinking number of producers. Given these trends, the construction of this plant is of great importance for the further development of the Teltonika company group. This investment will allow us to shorten production lead times, expand intellectual property protection for the technologies we develop, reduce supply chain risks and become independent from third-party political decisions,” says Arvydas Paukštys, Founder and President of Teltonika company group.

Teltonika is building a printed circuit board factory as part of a major project investment agreement signed with the Ministry of Economy and Innovation. The investment in the modern plant will amount to €143 million, most of which will be spent on the acquisition of special production

equipment. Installation of the equipment is scheduled to start in the middle of next year.

Production processes will be fully digitalised to ensure short lead times and optimum production costs. The plant will specialise in the production of PCBs for high-tech products. It will develop technologies for HDI, SBU, and Flex-Rigid, as well as for the design of high-frequency PCBs.

Some of the mass production technology solutions will be used for the first time in Europe. For example, it will be the first plant on the continent to use only digital solder mask printing technology and Vertical Continuous Plating (VCP) for mass production. There will also be a strong focus on ecology, with wastewater and process water from production being treated and recycled back into production, thus minimising and treating the wastewater generated.

Teltonika is supported in this ambitious project by Rico Schluter, who has extensive experience in this market. He has been working in the PCB industry for more than 4 decades and has helped customers build several such plants during his career.

“After working 41 years in the PCB-industry, personally, I am very proud to be a part of this unique project that will give a significant boost to the European PCB industry and its supply chain. Cooperation with the Teltonika project team is an absolute pleasure and I am very happy that I can share my very long experience in the PCB industry with my Lithuanian project – team members,” says Mr Schluter.

The PCB plant is one of the projects of the Teltonika High-Tech Hill Technology Park being developed in Liepkalnis, Vilnius. Ten new industrial and administrative buildings will be built in several phases over five years, and around 6,000 employees are expected to be employed.

In addition to the PCB factory, new electronic assembly and plastic injection moulding plants, a data centre, offices, laboratories and a commercial building will be built on the 50 hectares of Teltonika High-Tech Hill. A semiconductor chip assembly, testing and manufacturing complex will be a key part of this technology park. The total investment in the Teltonika High-Tech Hill Technology Park over the next decade will be around €3.7 billion.



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---

## NEWS FROM GERMANY

### **Würth Elektronik Circuit Board Technology launches HyPerStripes research project.**

In many miniaturized electronics applications, conventional cable wiring is both costly and material-intensive. It also limits the scope for innovation and product performance. The HyPerStripes (Hybrid integrated high performance electronic stripes) project addresses these limitations by developing technologies and production processes for long, smart and flexible electronic systems that can replace conventional cables. HyPerStripes focuses on two key applications: On the one hand, on medical instruments used in minimally invasive procedures (e.g., catheters and implants); and on the other hand, on environmentally friendly LED lighting surfaces.

HyPerStripes project partners will create a technology platform including manufacturing techniques for roll-to-roll (R2R) processing as well as the integration of electronic components onto very long (“endless”), flexible and stretchable printed circuit boards. This will pave the way to higher-performance products and new applications, while reducing the cost and environmental impact of manufacturing. It will also strengthen Europe’s global competitiveness in the production of flexible electronics and contribute significantly to sustainability in production and products. HyPerStripes is a European research project funded by Germany, Ireland, and the Netherlands.

In healthcare, miniaturization and flexible electronics have already brought valuable benefits. Minimally invasive procedures allow the investigation and treatment of diseases without major surgery. However, many of these devices, like smart catheters, still rely on “old-fashioned” wiring

connection. Wiring is done by hand and can account for up to 80% of the product cost. It also affects reliability, manufacturing yield, weight, and resource consumption. A flexible, thin strip on which the hybrid electronic components (e.g., flexible and rigid) are integrated could solve these interconnection problems. This also opens up new applications in healthcare, particularly in patient monitoring, where the strips can address today's shortage of long, stretchable, and robust PCBs and interconnects. Similarly, long, flexible strips could enable new applications in LED lighting. For example, large, flat light surfaces could be developed that can be fully integrated into the glazing of buildings and ultimately mimic natural light. One of the main goals of HyPerStripes is to transfer this know-how to industrial production. This is done through an open, sustainable technology platform that offers printing technologies, lithographically patterned copper wiring systems, and low-temperature assembly steps – all in a single-source consulting and manufacturing platform.

As one of the leading PCB manufacturers in Europe, WürthElektronik will focus primarily on flexible and stretchable PCBs with roll-to-roll processing to enable virtually “endless” electronics with fine miniaturized structures. The aim of the project is to develop stretchable circuit carriers in lengths of more than one meter for cost-effective products and the corresponding manufacturing technologies.

#### About HyPerStripes

The three-year project started in April 2022 and has a project volume of €14.5 million (German Federal Ministry of Education and Research funding: €3.12 million). In HyPerStripes, 16 partners from three European countries are working together to achieve the objectives, including IMS CHIPS – Institute for Microelectronics Stuttgart, Fraunhofer EMFT, Nanowired GmbH, Capical GmbH, Philips Electronics Nederland BV, Philips Healthcare, Integer, and other participants from industry and trade. The network coordinator is OSYPKA AG.

#### About WürthElektronik Circuit Board Technology

Founded in 1971, WürthElektronik Circuit Board Technology is today Europe's leading PCB manufacturer, with national and international sales teams, 1,000 employees, 4,000 customers and an annual turnover in the triple digit million range.

Production takes place at three German plants (Niedernhall, Rot am See und Schopfheim) as well as with qualified partners in Asia. Whether basic or high-end technologies, the customer-specific requirements are met from prototypes and samples to medium and large series. With the development

of innovative product technologies, the company qualifies as a pioneer in the market.

Experts from the most diverse divisions provide intensive consultation and support, from the initial idea to the finished product and beyond. WürthElektronik Circuit Board Technology sees itself as a reliable partner for both individual entrepreneurs and large corporations. The comprehensive portfolio is rounded off by an online shop, where PCBs can be ordered around the clock.

WürthElektronik. More than you expect!

For more information, visit [www.we-online.com/pcb](http://www.we-online.com/pcb)

Social Media:

[www.we-online.com/youtube](http://www.we-online.com/youtube)

[www.we-online.com/linkedin](http://www.we-online.com/linkedin)

[https://twitter.com/we\\_online](https://twitter.com/we_online)



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*Issue 34 – December 2023*

---

### NEWS FROM THE UK

#### **Ventec Strengthens VT-901 / VT-90H Polyimide Supply Chain**

Following last year's investment in new prepreg treating capacity at its Taiwan facility, Ventec International Group continues to focus on diversifying its manufacturing footprint and capability for its VT-901 /VT-90H high performance polyimide laminates and prepregs.

By extending its Taiwan based manufacturing capabilities for VT-901 / VT-90H, Ventec has further enhanced global supply chain resiliency for its global customer base. The new prepreg treater has enabled Ventec to ramp up capability and capacity at its Taiwan facility. As a first step, Ventec is now able to supply the full range of its VT-901 and VT-90H polyimide laminates and prepregs at high volumes, in addition to adding production capability to supply No Flow/Low Flow prepregs for rigid flex applications from this facility. Other high performance material transfers are planned for 2024.

Ventec's wholly owned supply chain is unique among PCB materials suppliers and ensures unrivalled control over not just production quality, but also lead-time and delivery performance to its global high-tech customer base. The strategic actions that decentralize and duplicate manufacturing capability for Ventec's full range of high-reliability and high-performance products are designed to mitigate supply chain risks for PCB manufacturers, OEMs, and EMSs across all regions by adding geographical diversity to the company's operations. With all parts of the manufacturing and distribution supply chain covered by AS9100 accreditation, customers can confidently partner with Ventec with full trust in the company's ability

to meet and exceed the increasingly stringent industry requirements for aerospace, defense, and military applications globally.

“The increased capacity and capability at our Taiwan facility is the latest step in our global strategy to significantly increase our manufacturing footprint outside of China. The increased capacity allows Ventec to widen the product range produced in Taiwan starting with our full range of high-performance polyimide materials,” said Jason Chung, CEO of Ventec.

Mark Goodwin, COO EMEA & America added: “Decentralized manufacturing enhances Ventec’s supply chain resilience, which is crucial in the current geopolitical context as we strive to serve our customers’ needs for high performance materials globally.”

Further information about Ventec’s solutions and the company’s wide variety of products is available at [www.ventecclaminates.com](http://www.ventecclaminates.com).

### **Amphenol Invotec achieves ISO/IEC 27001 certification**

PCB manufacturer Amphenol Invotec says that it has achieved ISO/IEC 27001 certification for its information security management.

The certification demonstrates that the company has put an effective system in place to manage risks related to the security, integrity, and confidentiality of the data it handles and owns.

Amphenol Invotec’s key markets include the aerospace, defence, avionics, industrial, communications, energy, automotive, and security sectors.

The ISO/IEC 27001 standard covers information security management systems. In order to gain ISO/IEC 27001 certification, companies must prove that they meet a clear set of standards related to establishing, maintaining and continually improving how they manage their data. Working to achieve ISO/IEC 207001 certification helps companies become more risk-aware, highlight operational weaknesses, and comply with industry-recognised best practice guidelines around information security, cyber-resilience and preparing for new threats.

“Information security plays a crucial role in the success and reputation of our business. In today’s digital arena, we are faced with ever-changing threats that can compromise sensitive data and disrupt operations. As an



international PCB manufacturer, it is vital that we continue to ensure the safety of our systems and infrastructure. Certification to ISO/IEC 27001 is therefore a major accomplishment for Amphenol Invotec and a testament to our ability to preserve the confidentiality, integrity, and availability of information to all our stakeholders,” says Mark Mills, IT and Engineering Manager at Amphenol Invotec in a press release.



## Issue 34 - December 2023

### NEWS FROM THE JPCA

#### ***Japan's PCB output has shrunk for 11 consecutive months, continuing double-digit declines***

Statistics released by the Japan Electronics Packaging Circuits Association (JPCA) on the 16<sup>th</sup> pointed out that Japan's printed circuit board (PCB; hard board + flexible board + module substrate) production in September 2023 dropped by 18.7% compared with the same month last year, to 794,000 square meters, shrinking for the 20<sup>th</sup> consecutive month; output dropped sharply by 18.7% to 47.720 billion yen, shrinking for the 11<sup>th</sup> consecutive month, and the decline reached double digits (more than 10%) for the 7<sup>th</sup> consecutive month level.

In terms of type, Japan's Rigid PCB output fell 19.8% to 627,000 square meters in September from the same month last year, shrinking for the 19<sup>th</sup> consecutive month; output fell 18.1% to 29.508 billion yen, the 13<sup>th</sup> consecutive month. The month has shrunk.

Flexible PCB output dropped 19.0% to 119,000 square meters, shrinking for the fourth consecutive month; output dropped 16.7% to 2.107 billion yen, declining for the third consecutive month.

Module substrate (Module Substrates) output decreased by 1.4% to 48,000 square meters, declining for the 16<sup>th</sup> consecutive month; output dropped by 19.9% to 16.105 billion yen, shrinking for the sixth consecutive month. From January to September 2023, Japan's PCB production decreased by 14.8% to 7.308 million square meters compared with the same period last year, and the output decreased by 16.8% to 434.827 billion yen.

Among them, the output of hard boards fell by 14.5% to 5.899 million square meters, and the output fell by 18.9% to 266.079 billion yen; the output of flexible boards fell by 9.7% to 1.013 million square meters, and the output fell by 9.5% to 19.951 billion yen; module Substrate output dropped significantly by 29.1% to 396,000 square meters, and output shrank by 13.6% to 148.797 billion yen.

Japan's major PCB suppliers include Ibiden, CMK, NOK's Nippon Mektron, Fujikura, Meiko Electronics, etc.

Meiko, a major Japanese PCB manufacturer, announced on November 6 that due to continued strong order status and benefiting from the depreciation of the yen, the consolidated revenue target for this year (April 2023-March 2024) has been increased from the original estimate of 165 billion. The yen was revised up to 173 billion yen (a year-on-year increase of 3.4%), the consolidated profit target was revised up from 9 billion yen to 10 billion yen (a year-on-year increase of 4.4%), and the consolidated net profit target was also revised up from 6.2 billion yen to 93 billion yen (will increase by 5.1% year-on-year).

CMK, another major Japanese PCB manufacturer, also pointed out on November 6 that due to the increase in automotive PCB sales and benefiting from the depreciation of the yen, the consolidated revenue target for this year (April 2023-March 2024) has been increased from The original estimate of 85 billion yen was revised upward to 87 billion yen (a year-on-year increase of 3.8%), the consolidated profit target was revised up from 2.7 billion yen to 3 billion yen (a year-on-year increase of 15.1%), and the consolidated net profit target was also revised from 19 100 million yen was revised upward to 2 billion yen (a year-on-year increase of 25.9%).



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## International Diary

### 2023

#### **23<sup>rd</sup> EIPC Technical Snapshot Webinar**

Registrations via [www.eipc.org](http://www.eipc.org)

December

### 2024

#### **EIPC Winter Conference**

##### **Visit Schweizer Electronic AG**

Schramberg/Villingen-Schwenningen, Germany

Tuesday 30 & Wednesday 31 January

#### **EIPC @ ECWC16 WECC**

Anaheim, USA

April 8-11

#### **EIPC Summer Conference**

##### **Visit ESTEC**

Noordwijk, The Netherlands

Tuesday 4 & Wednesday 5 June