ANNUAL REPORT 2024

DIMECC

Content

New Customers and Ecosystems Fuel Our Growth

At the beginning of the 20's, DIMECC had less than 10 employees, and annual income less than 2M€/year. Having worked about half of the decade, we have 30 employees with annual revenue about 4M€/year. Growth has been fast. What is the reason for this?

DIMECC ecosystem activity, which started in 2016, seems to be highly attractive to companies. In 2016, we started One Sea ecosystem with 10 member companies. Currently, DIMECC manages seven industrial ecosystems with an average of about 30 member companies. Our best-known ecosystem is probably FAME, which focuses on 3D printing and is currently the largest industrial ecosystem in Finland, with more than 60 members. FAME members are served by five facilitators, and 2-4 RDI programs on the topic are prepared annually.

This ecosystem activity already accounted for two-thirds of DIMECC's activities last year, and as a result, we reach a much larger number of our clients' personnel compared to the pre-2016 years.

Ecosystem membership costs range from a few thousand euros to 20k€ per year depending on the size of the company. As a member, a company may coach as many of staff as they want, may participate in as many theme groups as they want, and may have DIMECCians to produce so much industry data and facts from the world that you could swim in it. In addition, the commitment is not based on a project plan but is decided annually. Therefore, the learning opportunities and the likelihood of increasing productivity are high compared to the price, and the risk of participation is practically nonexistent for customers.

We continue to work on the preparation and management of RDI projects. Our program portfolio in 2024 was just under 40M€, which is a relatively large figure in our 17-year history and appears to be growing in 2025. The programs emphasize the use of materials and digital solutions for industry.

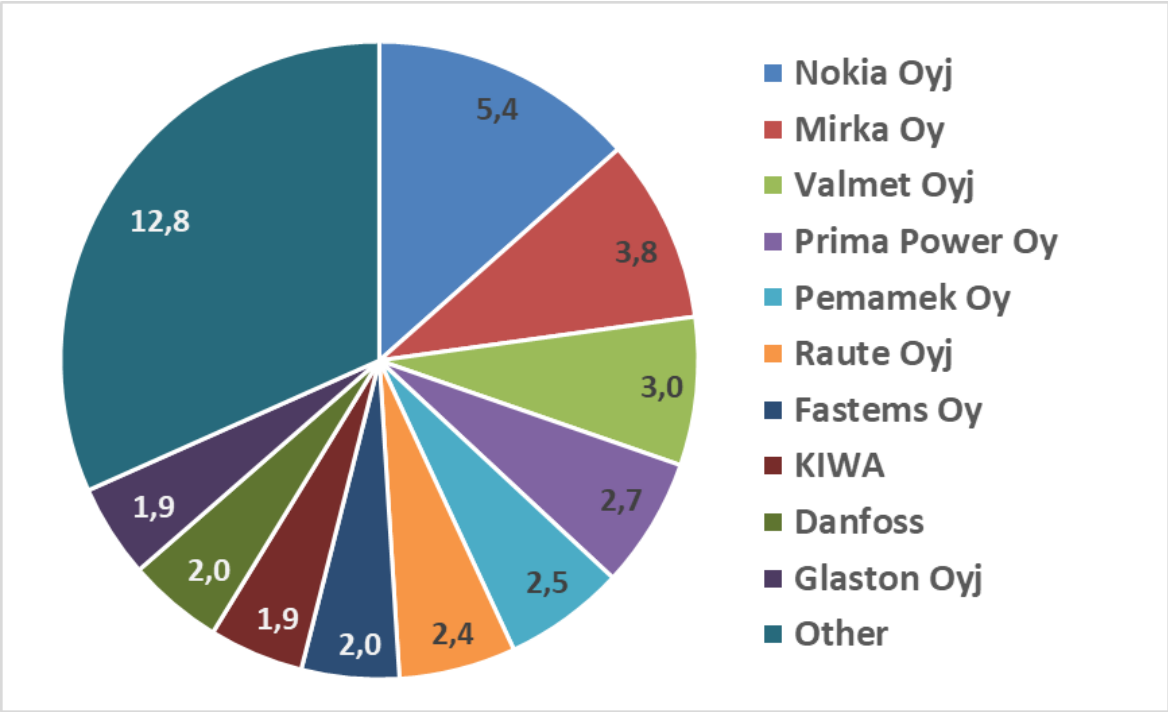
The funding structure of our program portfolio has evolved. DIMECC now operates with one-third of its portfolio funded through the EU, but Business Finland's RDI grants still cover the majority of the public funding. This change in funding structure is the second reason for our growth: EU funding can be used to achieve large-scale projects, in which our clients' project plans and budgets are considerably large. We have created a model in which we take 2-4 of our Finnish clients in each EU project, and in this way we systematically increase the EU funding to our clients.

I would like to thank all our customers, public funding supporters, shareholders, stakeholders, and our personnel for the excellent growth spirit!

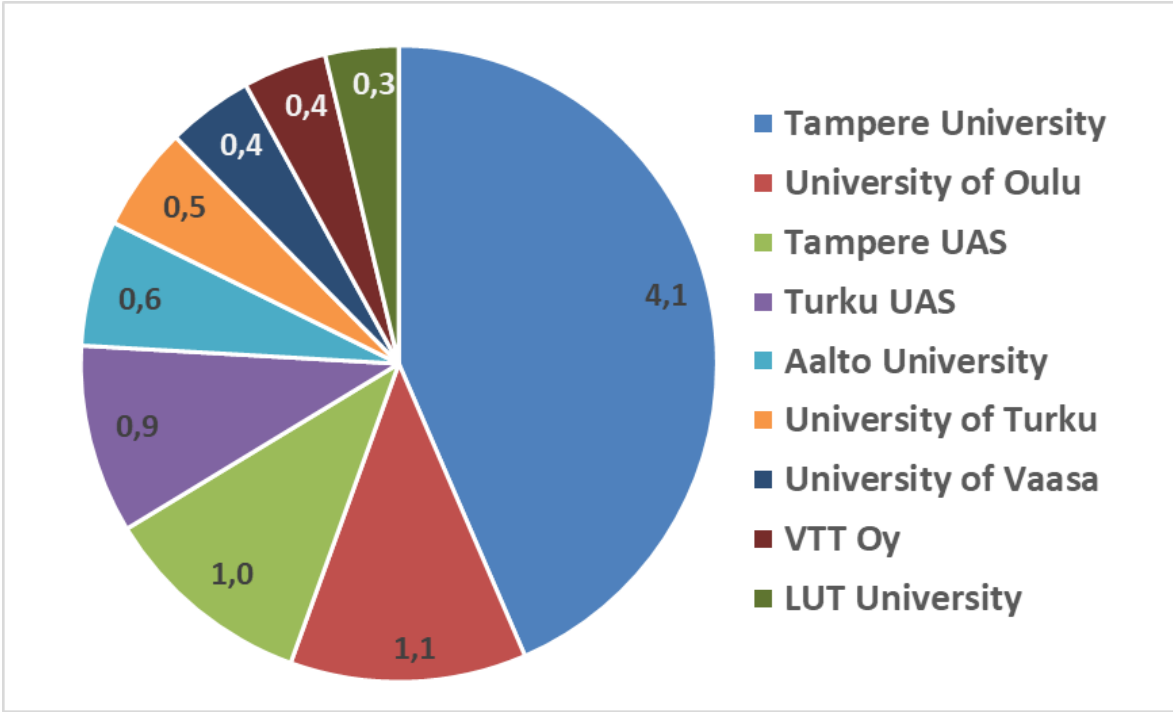
Harri Kulmala, CEO

DIMECC Program portfolio

Private Investments in Programs (M€)

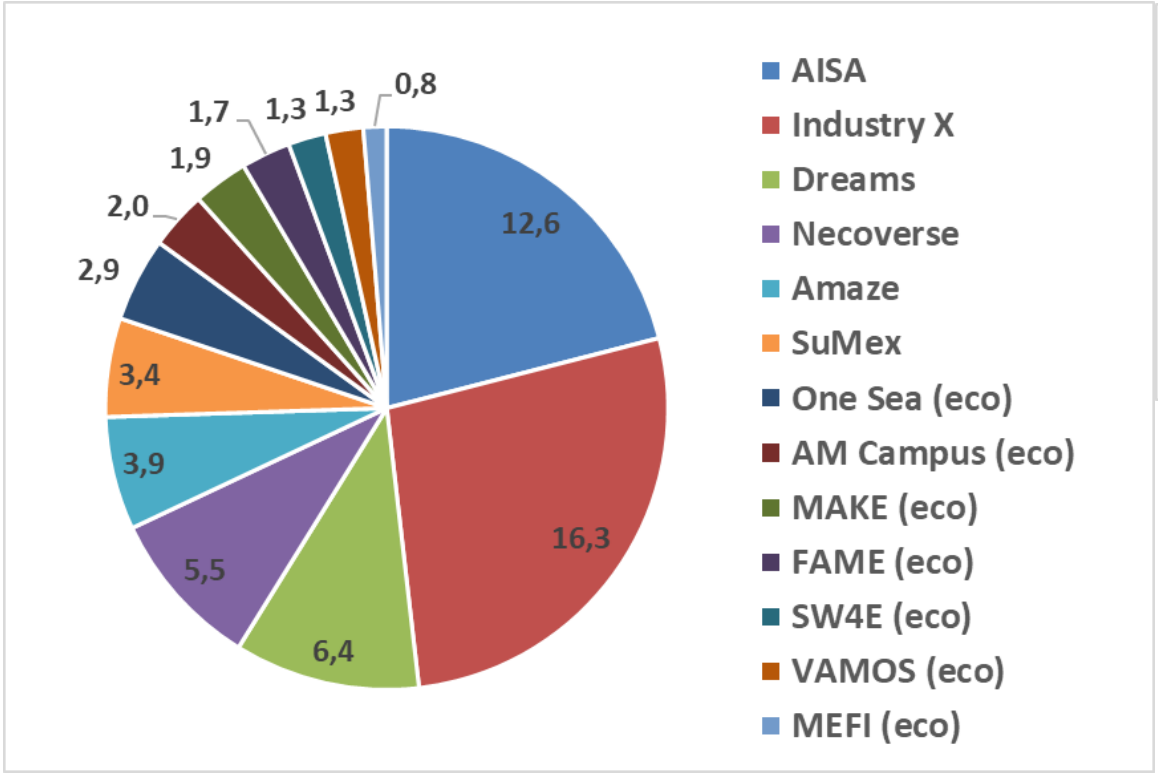


Research institutes budgets (M€)

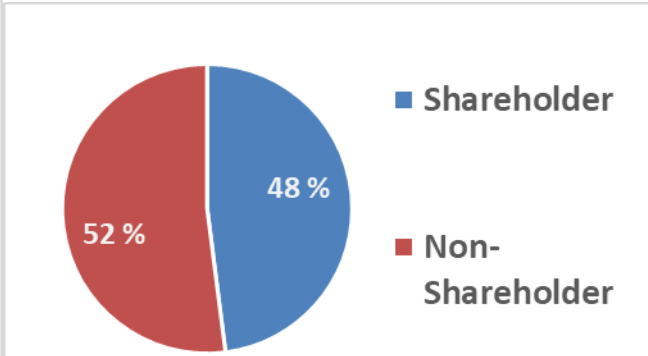


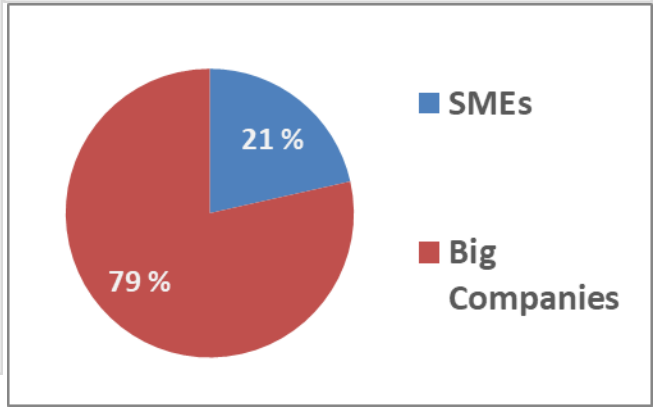
Budgetary division of program portfolio

Program budgets (M€)

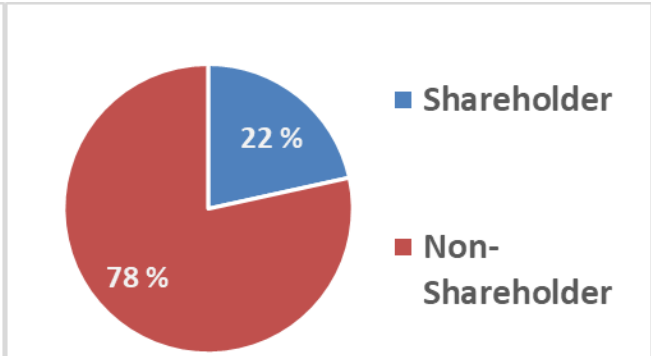


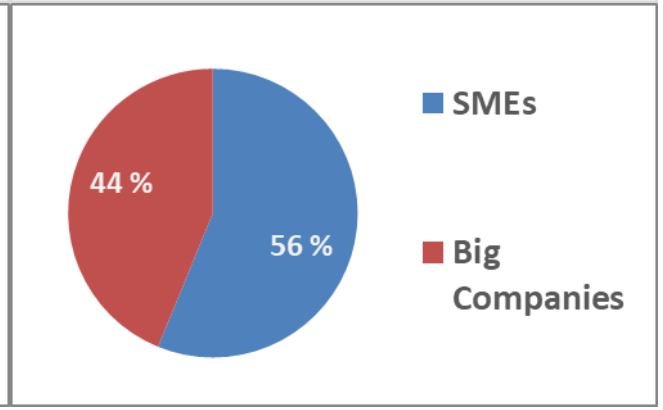
Share of Budgets





Number companies





Key Benefits of DIMECC's Ecosystems

New Business Creation Benefits

Established ecosystem structure facilitates new business creation.

Streamlined vision and strategy development.

Enhanced knowledge sharing on latest technologies.

Access to ecosystem news, statistics, and external insights.

Increased visibility through member marketing support.

Collaboration Benefits

Centralized access to shared information.

Exclusive entry to locations, activities, and networks.

Neutral ecosystem moderation by DIMECC.

Efficient funding through budget and resource matching.

Direct networking for stronger connections.

Improved project success with neutral leadership, ensuring timely and budget-compliant execution.

Innovation Benefits

Shared RDI expertise enables smoother, cost-effective project initiation.

Greater access to public funding and consortia.

Faster innovation cycles and market entry.

More effective planning, resource allocation, and collaboration.

Collective problem-solving enhances value creation.

MAKE IN FINLAND

Raising the Finnish manufacturing industry value chain's actors' global competitiveness by accelerating their twin transition, renewal and sustainable growth.

ABB
BECKHOFF
brightly
Danfoss
DHL Supply Chain
ELEMATIC
elisa INDUSTRIQ
Escarmat
8760 Fastems
FinnSonic
FORTACO
GBW
JAKAMO
JTA CONNECTION
KESLA
KL Mechanics
KONECRANES
KYREL
Kytola INSTRUMENTS
LAPPSET
LINJATERÄS POWDER COATING
MANTSINEN
MEYER TURKU SHIPYARD 1737
MIRKA
NAVAIA
NOKIA
NOVACAST OY
OK-VISE
PONSSE
Prima Power
RESONIKS
SACOMETAL
SANDVIK
SIEMENS
SIGMA POLYMER GROUP
snowflake
TASOWHEEL
TE AM IT.
TT GASKETS
VASKI
WÄRTSILÄ

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MAKE Highlights 2024

2024 has been a pivotal year for MAKE in Finland, strengthening its role as a key enabler for smart, sustainable and competitive manufacturing in Finland.

While several networks, such as FAMN, MEX Finland, and SIX Manufacturing, had their parallel operations, it became clear that strengthening the competitiveness of Finland's manufacturing industry required a new model and a single, shared ecosystem.

After several months of collective development with the companies, on June 18, 2024 the MAKE in Finland ecosystem was launched and crystallized the shared mission and vision - not just as a name, but as a message to the world about Finland's ambition and expertise.

The new introduced activities brought a new level of unity and brought tangible benefits to the partners around the four new focus areas defined to support the strategy of the ecosystem. The ecosystem supports and boosts expertise sharing, enables co-development and innovation activities while making sure it offers competence development opportunities and provides strong basis to operate strategic influencing.

With 41 industry partners and 2 founding support partners and 220 people involved in the ecosystem´s activities, MAKE in Finland benefits from a solid foundation established in 2024 and is poised for even greater growth and impact in the coming years. The focus remains on fostering collaboration, driving innovation and sustainable growth, and strengthening the competitiveness of Finland's manufacturing sector.

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Building a Thriving Business-Driven Ecosystem for the Manufacturing Industry

makeinfinland.fi

FAME

Finnish Additive Manufacturing Ecosystem

Sustainable AM as Finland's competitive edge.

FAME Highlights 2024

12 new members joined FAME Ecosystem during 2024. This brought the total number of participating organisations to 61, making FAME one of the largest industrial ecosystems in Finland.

Business Finland funding for 2024 – 2025 (total budget of 1,7M€) was granted, and the ecosystem was able to increase the private-public investment up to a 60-40 ratio.

FAME was a main partner with 3D&New Materials trade fair in Tampere this year, and participated in Tampere's Subcontracting fair too. FAME also partnered with Danish AM Summit in Denmark, participated in the Norwegian National Conference of AM, strengthening Finnish presence in the Nordics. Hosted a Finnish Pavilion to Formnext24 first time ever. Big presence at the fair; participation into 2 panel discussions, 1 presentation at main stage, partner events. AMAze project was kicked-off.

The ecosystem's internal intranet was introduced, attracting 310 users from the industrial companies and research organizations, facilitating their collaboration and information sharing. Additionally, FAME's public webpage underwent an update. Sustainability training conducted within AM, and 2 real life AM applications as showcases created and LCA conducted – comparison to traditional manufacturing. FAME participated into AM Village, event for military AM and industrial AM coordinated by EDA (European Defence Agency).

FAME had its yearly Strategy Days led by its General Meeting and updated its strategy, mission, and vision.

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fame3d.fi

AM Campus Highlights 2024

AM Campus provides a collaborative learning environment for metal additive manufacturing (AM).

AM Campus offers access to state-of-the-art AM facilities (EOS M290 + Smart fusion) without the need for members to invest in their own machines, enabling hands-on trials, operator services, and collaboration on cutting-edge technology to accelerate AM adoption through shared learning, public examples, training sessions, campus visits, and research collaborations.

The AM Campus fosters industry-wide engagement, empowering organizations to explore, experiment, and excel in additive manufacturing.

The AM Campus operations reached full speed in 2024, and the member companies conducted numerous printing trials at the AM Campus. Findings and insights have been actively shared within the FAME Ecosystem.

WÄRTSILÄ RAUTE CYIENT ELOMATIC CONSULTING & ENGINEERING VILPE Innovative and Easy

DIMECC

AM Campus

VAMOS

AUTONOMOUS MOBILITY IN SMART SPACES

Associated Member of EACN European Automotive Cluster Network

VAMOS brings trusted players together for implementing practical applications for moving people and things with better experience and efficiency.

ADDSECURE · LINK · NORDIC INERTIAL · PLUGIT

Technosmart · DRIVECO · ceterio · UNIKIE

VTT · Posiva · KEMPOWER · KONECRANES

CITY NOMADI · RIGHTWARE · Mevea Simulation solutions · IMMERSAL part of Hexagon · REMOTED

muRata INNOVATOR IN ELECTRONICS · SAMS Norway · ABLOY · GIM ROBOTICS · dbe core

DIMECC · MML MAANMITTAUSLAITOS · Metropolia · LAPIN AMK Lapland University of Applied Sciences

VAMOS Highlights 2024

In 2024, the VAMOS Ecosystem achieved significant milestones in advancing autonomous mobility within smart spaces.

Strategic Partnerships and Membership Expansion

- **SAMS Norway Collaboration**: VAMOS partnered with SAMS Norway to promote sustainable and autonomous mobility solutions, enhancing cross-border collaboration in the Nordic region

Other New Members: Driveco, MML, Technosmart, Metropolia, DBE Core, City Nomadi, AddSecure

Thought Leadership and Vision Development

- **VAMOS Visions Update**: The ecosystem released an updated edition of "VAMOS Visions," detailing how member companies can significantly contribute to future narratives with their expertise.
- **White Paper Publication**: In September 2024, VAMOS published "Key Forces Redefining Tomorrow's Logistics Landscape," analyzing megatrends and driving forces transforming global logistics.

Strategic Initiatives

- **VAMOS Strategy Day**: Held in April 2024, this event convened industry leaders to discuss future scenarios in autonomous mobility, with a focus on the digital transformation of logistics hubs and depots.

Throughout 2024, VAMOS continued to foster innovation and collaboration, solidifying its position at the forefront of autonomous mobility advancements.

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vamosecosystem.fi

SW4E SOFTWARE ENGINEERING ECOSYSTEM

Responding to the challenges of growing complexity and demand by strengthening the know-how of software development methods, technologies and tools.

Kela|Fpa
M-Files
INNOFACTOR
boogie software
DEMOLA
CSC
vaadin
Q4US
Bittium
Aalto University
UNIVERSITY OF HELSINKI
UNIVERSITY OF JYVÄSKYLÄ
Tampere University
UNIVERSITY OF TURKU
DIMECC
BUSINESS FINLAND
UNIVERSITY OF EASTERN FINLAND
UNIVERSITY OF OULU
Åbo Akademi

SW4E Highlights 2024

SW4E concluded the year with 18 members. The new team launched efforts to interview all members, develop processes, and enhance engagement while advancing R&D projects.

In 2024, SW4E facilitated seven R&D projects involving universities, companies, and networks. Projects like MAISA, Q_AIM, Shift2SDV, and HAL4SDV showcased DIMECC's cross-ecosystem capabilities through collaborations with the VAMOS and FAME ecosystems. HAL4SDV, a flagship project, aims to create a unified European SDV ecosystem by harmonizing software interfaces and leveraging international R&D efforts.

A strategy workshop in the fall identified three key focus areas for the ecosystem: *Building Bridges* (enhancing collaboration), *Driving Innovation* (launching R&D projects), and *Securing the Future* (promoting software engineering globally). This roadmap aligns ecosystem goals with member priorities.

SW4E's working groups were active throughout the year. The AI Working Group hosted monthly discussions and planned 2025 themes, while the Sustainability Working Group collaborated with TIEKE Visiiri to advance greener IT solutions and began creating a shared sustainability vocabulary.

The FAST Software Engineering Doctoral Network collaboration deepened co-operation between academic members and companies, with PhD students tackling industry-relevant software engineering topics.

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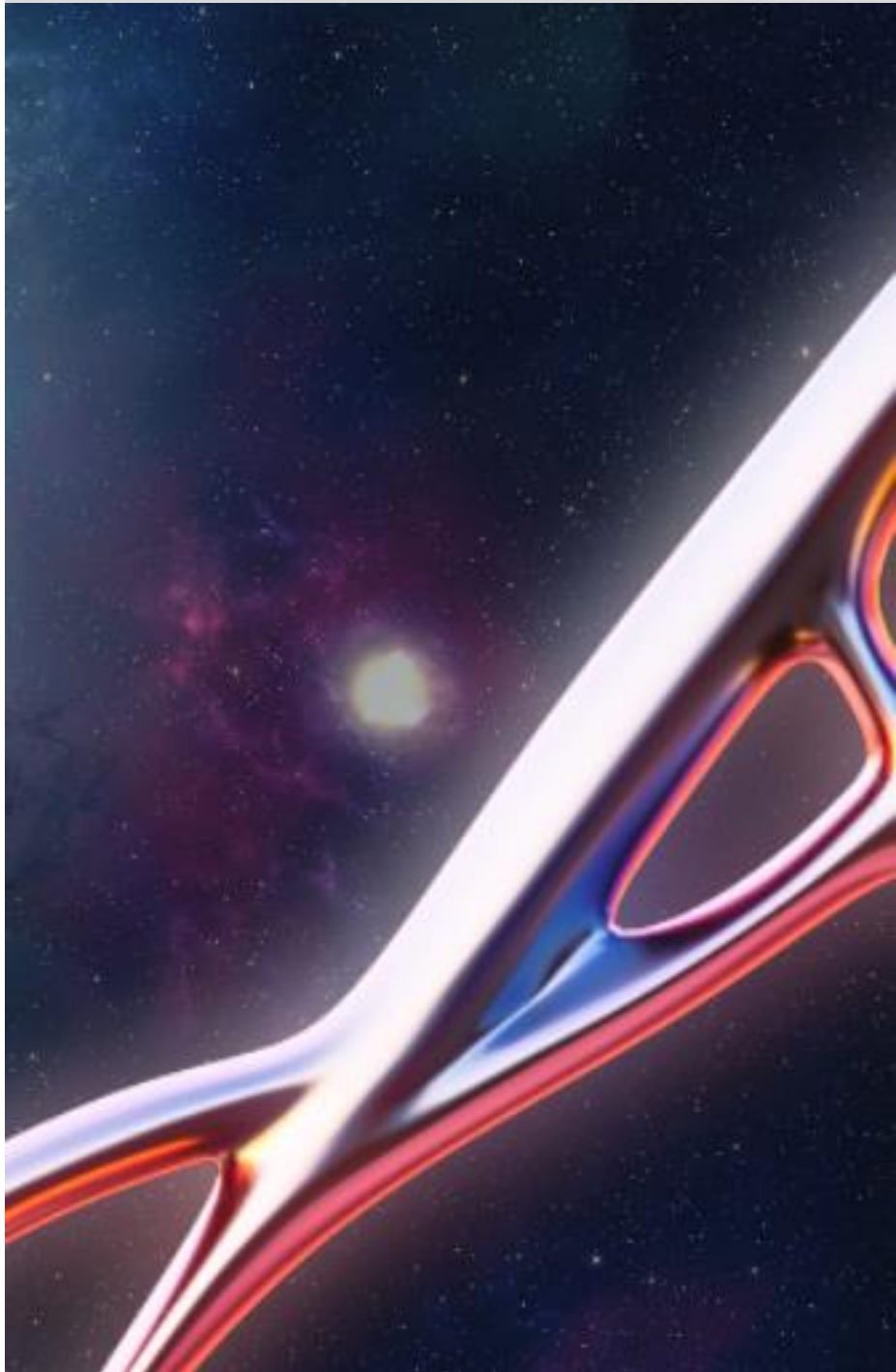
sw4e.fi

MEFI

Metaverse Finland Ecosystem

Making Finland the global leader in the metaverse industry.

TURKU AMK
LAPIN AMK Lapland University of Applied Sciences
STEREOSCAPE
DEMOLA
IMMERSAL
Valmet
TOP data science A MORPHO COMPANY
Tampere University
cineshare
MIRKA
NOKIA
VASKI
UNIVERSITY OF OULU
Aalto University
TAMPERE. FINLAND
Tampereen ammattikorkeakoulu Tampere University of Applied Sciences
VTT
Metropolia
HELSINKI XR CENTER
OAMK OULUN AMMATTIKORKEAKOULU
UNIVERSITY OF TURKU
movya



DIMECC

Metaverse Finland Highlights 2024

DIMECC

metaversefinland.fi

The Metaverse Finland Ecosystem (MEFI) is Finland's flagship initiative to lead the development and adoption of metaverse technologies. Established in 2024 under DIMECC Oy, MEFI is backed by €800,000 in innovation cluster funding and has grown to 21 active members by the end of 2024. It brings together a strong mix of universities, startups like Cineshare and Immersal, and industry leaders like Nokia, aiming to position Finland as a global leader in immersive digital experiences.

MEFI emerged from Business Finland's National Metaverse Strategy, which envisions a Finnish metaverse economy exceeding €30 billion in annual turnover by 2035 . MEFI's focus areas include Technology Enablers, Business Networks, the Industrial Metaverse, Metaverse Society, and Metaverse Health, ensuring a holistic approach to research, development, and commercialization. The ecosystem supports joint RDI projects, knowledge-sharing events, and global market expansion. It is structured to drive Finland's 1% market share in the global metaverse economy, enhance digital rights and sustainability, and create an inclusive and accessible virtual environment. By 2026, MEFI aims to grow to 32 members while transitioning towards financial independence through market-based services.

Through partnerships, industry events, and research cooperation with VTT, Tampere University, Oulu University, and Turku AMK, MEFI ensures Finland remains at the forefront of metaverse advancements. With its ambitious roadmap and strong orchestration under DIMECC Oy, MEFI is set to establish Finland as a trusted global hub for metaverse innovation, investment, and adoption.

Programs & Projects

AISA – AI for Situational Awareness

https://aisa.dimecc.com/

Schedule: 2021-2024
Volume: 12,6 M€

aisa ARTIFICIAL INTELLIGENCE FOR SITUATIONAL AWARENESS

DIMECC

AISA (AI for Situational Awareness) project focuses on taking AI-assisted situational awareness to the top of the industrial world.

The utilization of situational awareness created by artificial intelligence and versatile sensing – in particular, the processing of video, image and audio data streams using modern machine learning methods – are central to the AISA project.

Leveraging high speed edge computing and the ultra-low latency power of 5G networks will also ensure that industrial applications have rapid response times.

The three-year AISA project, which began in June 2021, is initiated by Nokia and facilitated by DIMECC.

NOKIA MIRKA Valmet INSTA

TOP data science FICOLO Tampere University BUSINESS FINLAND

Programs & Projects

Industry X

https://industryx.dimecc.com/

Schedule: 2022-2025
Volume: 16,3 M€

INDUSTRYX

DIMECC

The manufacturing industry's requirements for production flexibility and autonomy are growing at an accelerating pace. Key technologies in the change are artificial intelligence, cloud services, edge computing and ultra-fast wireless communication connections (5G).

In the Industry X project, Nokia Technologies and seven industrial equipment suppliers - Fastems, Glaston, Pemamek, Prima Power, Raute, Vacon and Vaski - strengthen their international competitiveness with pioneer applications that utilize the latest developments in digitalization. The project's research institute partner is Tampere University.

The Industry X project, which began in 2022, is initiated by MAKE in Finland member Nokia and facilitated by DIMECC.

NOKIA 8760 Fastems glaston Pema WELDING AUTOMATION

Prima Power RAUTE VACON VASKI BUSINESS FINLAND

Tampere University

Programs & Projects

Necoverse

www.necoverse.fi

Schedule: 2023-2025
Volume: 5,5 M€

DIMECC

NECOVERSE

The Necoverse project aims at the development and utilization of new training, planning and operating environments in shipbuilding. The main part of the project is a metaverse, which creates shared interactive three-dimensional experiences with the help of virtual reality, augmented reality and videos. The virtual shipyard environment operating in the industrial metaverse offers new opportunities for many people, from interior designers to trainers of shipyard workers.

The Necoverse project is part of Meyer Turku's NEcOLEAP Leading company ecosystem, which aims to develop a climate-neutral cruise ship concept by 2025. In Necoverse, new collaboration tools are being developed for the Meyer shipyard, which improve energy efficiency in training, commissioning, planning, operation and maintenance.

Aalto University
finpeda Innovations in education
HOLLINKI EXCELLENCE IN VIRTUAL SPACE
kiwa
lingsoft
Vertti&Co
TURKU AMK
VTT
BUSINESS FINLAND

Programs & Projects

DREAMS

Database for **R**adically **E**nhancing **A**dditive **M**anufacturing and **S**tandardization

Schedule: 2022 - 2025
Volume: 6 M€

DIMECC Program
DREAMS

DIMECC

The DREAMS project created a comprehensive and open material database for material mechanical properties by additively manufacturing and testing 10 000 metal test specimens using Laser Powder Bed Fusion (LPBF/M) technology. The data bank will compensate for the lack of industry standards and facilitate the utilization of Additive Manufacturing of metals in the most demanding applications, which will also be studied in the project.

Project is officially closing on February 2025.

CYIENT
ELOMATIC CONSULTING & ENGINEERING
Etteplan
Lillbacka FINN-POWER
Patria
RAUTE
VILPE Innovative and Easy
WÄRTSILÄ
BUSINESS FINLAND
LUT University
TURUN YLIOPISTO
UNIVERSITY OF OULU

Programs & Projects

AMAze

Additive Manufacturing post-processing automation

Schedule: 2024 - 2026
Volume: 3,9 M€

AMAze
DIMECC PROJECT
ADDITIVE MANUFACTURING
POST-PROCESSING AUTOMATION

DIMECC

AMAze project is aiming to increase the capacity for post-processing of 3D-printed parts through creating an automation solution for de-powdering and quality assurance. The developed solutions will minimize human interaction with powder material, decrease the dependency on error detection by humans, and will increase the personals safety.

Other activities include creating a traceability framework of parts and resources. Also, enhance the sustainability and circularity of AM parts through reduction of wasted powder material and introduction the Digital Product Passport.

The project is part of Valmet's leading company ecosystem (Beyond Circularity), which aims to develop process technologies, automation and services to create value by utilizing renewable and recycled materials, industrial sidestream rejects and waste.

ED FORM TECH
ADVAN
8760 Fastems
Tampere University of Applied Sciences
Valmet
materflow
BUSINESS FINLAND

Programs & Projects

SuMEx

Sustainable Manufacturing Excellence

Schedule: 2024 - 2026
Volume: 3,5 M€

SuMEx DIMECC PROJECT SUSTAINABLE MANUFACTURING EXCELLENCE

DIMECC

Sustainability is emerging as a pivotal force shaping products and services across both consumer and business sectors. Consumer demand for sustainable products has set high standards for manufacturing, materials, design, and recycling. To meet these criteria, manufacturers must infuse sustainability into the entire design and production process and value chain from the very beginning

Sumex project aims to equip partner companies with the means to meet the sustainability requirements. Project's main objectives are:

- Understanding customer sustainability requirements.
- Utilizing agile analysis tools for environmental impact assessment during design.
- Establishing processes for evaluating and communicating product environmental impact.
- Developing innovative features to reduce energy use, material loss and enhance usability

Danfoss JTA CONNECTION Prima Power Vaasan yliopisto UNIVERSITY OF VAASA VASKI

Programs & Projects

Mixed Fleet

www.fima.fi/mixedfleet

Schedule: 1.8.2023 – 31.7.2026 (3 yrs)
Volume: 12,5 M€

MIXED FLEET

DIMECC

Mixed Fleet research project studies how autonomous machines and human workers or manually operated machines are working together in the same workflow. Another research target is optimizing work site operations by combination of machines of different types and models and machines from various manufacturers.

The research gives new knowledge to understand the role and behavior of humans in collaboration with autonomous machines. Another research topic studies and develops methods and tools for the flexible and rapid programming of mixed fleet systems, as well as examining the role of domain experts as programmers. A significant part of the research and number of demonstrations carried out in collaboration with companies focus on situational awareness and safety issues in demanding in mixed fleet systems. Beside the technology challenges, new business opportunities and value creation in multi-actor collaboration will be studied.

KONECRANES Logisnext MITSUBISHI LOGISNEXT EUROPE ATOSTEK NAVITEC SYSTEMS

Tampere University VTT FIMA Forum for Intelligent Machines VAMOS AUTONOMOUS MOBILITY IN SMART SPACES BUSINESS FINLAND

Programs & Projects

AdmaTranS4Mers

Schedule: 1.10.2021-31.12.2024
Volume: 5,6M€

TranS4MErs

DIMECC

ADMA TranS4MErs supports manufacturing SMEs in their digitalisation and encourages them to become Factories of the Future. This €5.6M H2020 project builds on the work of ADMA, the European Advanced Manufacturing Support Centre. The project will run until December 2024 and it is implemented by a consortium of 38 partners from the 27 European Union member states.

Through ADMA manufacturing SMEs have the possibility to get free consultation from trained transformers that will support the companies in performing a scan and assessing their performance over 7 different transformation areas. Based on the scan, an individual transformation plan will be made to support the company in its transformation journey. Companies can also apply for recommended services on the ADMA TranS4MErs platform.

In total 16 companies were selected in Finland to work on their scans and transformation plans. One of these companies was Linjateräs powder coating, who shared their experiences and journey to become a factory of the future. You can read more about their story in the ADMA TranS4MErs blog.

Programs & Projects

ESCALTECH

Schedule: 1.3.2023-28.2.2026
Volume: 1,8M€

Interreg Co-funded by the European Union
Central Baltic Programme
ESCALTECH

DIMECC

The ESCALTECH program supports technology start-ups in Finland, Estonia, and Latvia by providing structured mentorship, training, and networking opportunities. With 26 Finnish startups participating so far, ESCALTECH has demonstrated tangible value in scaling businesses. The process begins with company roadmapping, where businesses outline their growth plans. Based on this, mentors are carefully matched to provide strategic guidance, ensuring tailored support.

In 2024, ESCALTECH participated in several impactful events in Finland, including Slush 2024, Arctic15, and the Tampere Startup Showcase. Other highlights included a finance training event, an online Go-to-Market workshop and drop-in sessions, increasing collaboration. The program also emphasized cross-border collaboration, facilitating travel and participation in sTARTUp Day in Tartu, Latitude59 and Stream Connect allowing Finnish startups to connect with their Baltic counterparts.

DIMECC also enhanced its support ecosystem through establishing a monthly check-in with sister projects, cultivating support within the Finnish Interreg co-funded projects community. The work continues in 2025 with offering relevant trainings and events that companies can benefit from on their journey to scale up.

Programs & Projects

DeployAI

Schedule: 1.1.2024-31.12.2027
Volume: 28 MEur

DeployAI

DIMECC

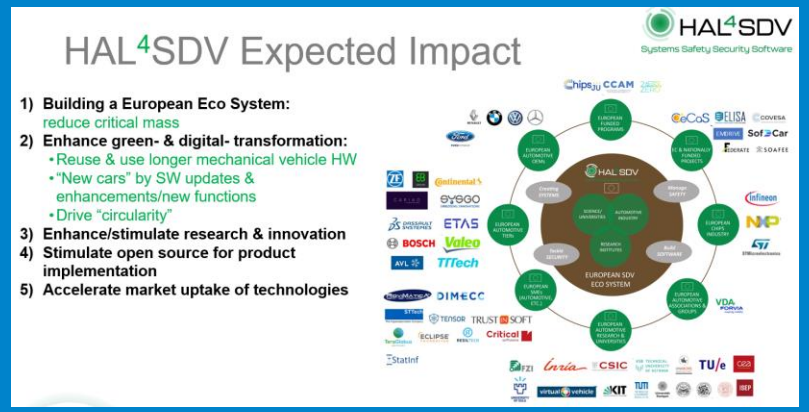
Vendor-independent AI services platform accelerating the European AI Ecosystem.

Deploy AI

- Is a co-innovation services platform of integrated and seamless services of DevOps applications and computing services to build, train and operate commercial applications, better, more efficient and faster.
- Is a content services platform that provides marketplace services to enable European enterprises to commercially provide, promote and sell their applications, content and services to an international industrial user community.
- Is a community services platform addressing providers, the EU-AI Ecosystem, Startups, Enterprise and public sector customers to engage for the searching, finding and engaging for trustworthy AI Applications and services in Europe.
- The beta version of the platform is opened in January 2025. The fully operational version will be availble in summer 2025.

Programs & Projects

HAL4SVD



Schedule: 1.4.2024 – 1.4.2027
Volume: 64,5 M€

HAL4SDV
Systems Safety Security Software

DIMECC

The HAL4SDV project's mission is to advance European solutions in software-defined next-generation vehicles. HAL4SDV will enable software configuration that abstracts from vehicle hardware, paving the way for a Software-Defined Vehicle (SDV) approach for both safety-critical and non-safety-critical applications in future vehicles.

HAL4SDV is ready to shape the future of mobility, secure Europe's leadership in the automotive sector, and drive progress toward a more connected, efficient, and environmentally conscious future in the automotive sector. Moreover, it responds to the pressing need for Europe to invest massively in technological leadership in the automotive domain, ensuring the region's future growth and prosperity.

HAL4SDV is driven by anticipated advancements in microelectronics, communication technology, software engineering, and AI to tackle the four Ss: Systems, Safety, Security, and Software.

The consortium consists of 62 partners from 12 EU countries.

DIMECC will participate in the project's communication, dissemination, and standardization activities.

Programs & Projects

knowlEdge

(a.k.a “Towards AI powered manufacturing services, processes, and products in an edge-to-cloud-knowledge continuum for humans in-the-loop”)

Schedule: 1.1.2021 – 31.3.2024
Volume: 6,0M€

H2020, Grant Agreement 957331

DIMECC

The knowlEdge Project develops major innovations in the areas of data management, data analytics and knowledge management:

- A set of AI services enabling use of the edge-to-cloud computing continuum.
- A digital twin of the shop-floor for testing the AI models.
- A data management framework ensuring data quality, privacy, and confidentiality in a safe fog continuum.
- Tools for Human-AI Collaboration and Domain Knowledge Fusion for domain experts to inject their experience into the system.
- A set of standardisation mechanisms for the exchange of trained AI models from one context to another.
- A knowledge marketplace platform to distribute and interchange AI trained models.

The consortium consists of 13 partners from 7 EU countries, and its solution will be tested and evaluated in 3 manufacturing sectors. DIMECC is in charge of the project’s communication, dissemination, and standardization activities. The project’s final results seminar was organized in March 2024.

Programs & Projects

REBOOT SKILLS

Schedule: 1.1.2023-31.12.2025
Volume: 3,9M€

The REBOOT SKILLS project helps current and aspiring manufacturing workers access advanced digital upskilling in Cybersecurity, Robotics, AI, IoT, and Additive Manufacturing. By uniting EU education providers and industry partners, it offers tailored short trainings to empower workers and the manufacturing industry at this critical time for European manufacturing industry ecosystem.

In 2024, DIMECC has continued to map the needs of the industry to enable the design of relevant trainings that genuinely serve the needs of the industry. Through its ecosystems and networks, DIMECC has been able to reinforce the collaborative effort around skills development in Finland, embracing synergies between stakeholders to bring stronger impact for the industry. DIMECC has also actively participated in the dissemination activities of the project both nationally and internationally. Some examples include both Engineering Works Trade Fair, the Subcontracting Fair in Tampere, The Northern Industry event in Oulu, High Level Forum in Taiwan, and presenting synergies at the ADMA TranS4MErs final event in Brussels. In 2024, the consortium has enabled several hundreds of learners to grow their skills through practical short trainings.

Programs & Projects

SusTool: 'Corporate Sustainability Reporting Tool' becomes ESG Tool

Schedule: 1.1.2023-31.12.2025
Volume: 3,5M€

The SusTool project develops a sustainability reporting platform: ESG Tool.eu for SMEs that helps better align business performance with CSRD and the sustainability standards. In 2024, Dimecc Ltd focused on various tasks aimed at developing the IT solution and the methodology behind it. These activities included:

- Active participation in the project's working group meetings, including planning the piloting of the tool, focused meetings with the IT solution developers (NetGroup) and thematic meetings on different modules of the platform.
- Organizing a project consortium meeting in Helsinki 21.-23.8.2024
- Dissemination and communication activities, including roundtable session with companies on 10.12.2024 and an article in Materia magazine: https://issuu.com/materia-lehti/docs/materia524/s/63359507
- Engaging with stakeholders in the corporate sustainability reporting field, including ministries, technology organizations, associations and companies trhough different events, i.e. Impact Day in Tallinn in October.
- Participation in wide variety of corporate sustainability events to engage with stakeholders and network.
- A corporate sustainability dialogue deck was created together with Topaasia oy to support the dissemination activities in 2025.

Programs & Projects

3DTY

https://www.3dty.fi/

Schedule: 1.8.2023-31.7.2026
Volume: 3.2M€

3DTY
3D-tulostuksen yhteishanke

DIMECC

OK, Antti

3D printing of large structures is brought to the use of the manufacturing industry with a national collaboration project (3DTY).
The implementation of the project is carried out by the Additive Manufacturing Research and product development operators of Northern Finland (University of Oulu, Lapland Education Center REDU), Eastern Finland (University of Eastern Finland, Savonia University of Applied Sciences), Southern Finland (LUT University) and Western Finland (Tampere University of Applied Sciences). Innovation platform DIMECC Ltd's ecosystems Make in Finland and FAME (Finnish Additive Manufacturing Ecosystem) ensure the project's business impact. 3DTY includes twenty companies from the manufacturing industry around the country.
3DTY is part of the Renewing and competent Finland 2021–2027 EU regional and structural policy program. The support of the European Regional Development Fund (ERDF) has been granted by the South Savo Business, Transport and Environment Center (ELY). DIMECC is in charge of the communication and dissemination work package in the project.

University of Oulu
FMT Future Manufacturing Technologies
University of Eastern Finland
LUT University
Savonia University of Applied Sciences
DIMECC FAME Finnish Additive Manufacturing Ecosystem
MAKE IN FINLAND
Tampere University of Applied Sciences
REDU

Euroopan unionin osarahoittama

Co-creation Services

PoDoCo – Post Docs in Companies

www.podoco.fi/

PoDoCo
Post Docs in Companies

DIMECC

Post Docs in Companies, PoDoCo™ program, is a joint initiative of industry and foundations.

The aim of the PoDoCo program is to promote academic research supporting long term competitiveness and strategic renewal of Finnish companies, and the employment of young doctors in industry.

Collaboration is based on PoDoCo project that consists of two phases: research period and targeted research period (6-12 months each).

Research period is funded by a foundation and targeted research period by the company.

There are two application rounds each year: Spring (March 1st – April 15th) and Autumn (September 15th – October 31st)

So far PoDoCo has granted more than 250 grants.

Jenny and Antti Wihuri Foundation · KAUTEsäätiö · Tekniikan edistämissäätiö · Maa- ja vesitekniikan tuki · Svenska kulturfonden

DIMECC

Academies

BUSINESS MODEL ACADEMY

Business Model Academy (BMA) is a tailored competence development and upskilling training program for the Finnish industrial companies to build knowledge and skills on how to utilise new data-based business models.

MACHINE LEARNING ACADEMY

Machine Learning Academy (MLA) is a tailored competence development and upskilling training program for the Finnish industrial companies to build knowledge and skills on how to utilize Machine Learning and Artificial Intelligence in your company’s operations.

Co-creation Services

Data & AI Accelerator

Designed for both more or less advanced companies, the Data & AI Accelerator Program makes the world of Data and AI easy to understand. It turns possible problems into real business chances through fun, interactive, expert-led sessions. It offers a structured, yet customizable approach to pinpoint key business opportunities, identify high-impact use cases, and steer clear of low-value or overly risky ventures.

In a span of 1-2 months participants take part in five hands-on workshops. Our seasoned consultants illustrate the ways in which Data and AI can enhance a business's value. Collectively, participants pinpoint the most promising opportunities, prioritize them, and ensure they align with a company's objectives. The Accelerator offers clarity, guiding participants on how to capitalize on beneficial opportunities while avoiding pitfalls.

In 2024, DIMECC organized the Program in the autumn 2024.

Co-creation Services

Manufacturing Perfomance Days

mpdays.com

MPD MANUFACTURING PERFORMANCE DAYS

DIMECC

The Manufacturing Performance Days (MPD) is an international, top-level B2B summit held biannually in Tampere, Finland. MPD serves as an executive and visionary event for digital and manufacturing industries, researchers, and technology and service providers worldwide.

The event brings together top management from manufacturing and digital business companies, internationally recognized experts in digitalization, and academia to discuss and showcase best industrial practices, operational excellence, novel business concepts, and groundbreaking scientific and technological advancements.

Company visits, side events, meetings, and networking opportunities foster potential for R&D&I collaboration across borders and create opportunities for new business connections. MPD is a registered trademark of DIMECC.

The Manufacturing Performance Days 2025 will take place on June 4–5, 2025, at Tampere Hall, with the theme “Manufacturing in the Age of AI.” Strategic partners of MPD 2025 include Beckhoff, Dassault Systèmes, DIMECC, Fastems, Reaktor, Siemens, Technology Industries Finland, Tampere University, and VTT.

Demola

www.demola.net

Demola is partly owned by DIMECC Ltd.

Demola Global helps businesses and organisations to explore future impacts and driving forces to build future-proof strategies. Since 2011, Demola has worked with more than 1,500 corporations, growth companies and public organisations.

Together with companies, cities and governmental stakeholders Demola aims at running 1000 innovation teams yearly on the platform in Finland by 2026.

By building a bridge between the decision-makers of today and tomorrow, Demola aims for improved and more democratized ability to react to changes as a society.

Networks

Finnish Industrial Internet Forum – FIIF

www.fiif.fi

FINNISH INDUSTRIAL INTERNET FORUM

DIMECC

FIIF is a company-driven match-making forum that boosts sustainable digitalization of companies and their businesses.

The main target of the FIIF is to showcase concrete initiatives and practical actions that turn digitalization visions into business, as well as ensure and enhance the competitive edge of companies.

During 2024, FIIF organized seven events covering the following topics: “AI for Situational Awareness (AISA project final seminar)”, “Harnessing the power of LLM´s like Chat GPT in software development”, “Data-driven new business models”, “Corporate sustainability”, “Industrial Metaverse”, “AI for manufacturing (Knowledge AI project final seminar”, and “FIWARE”. There were in total 475 registered participants in these events. There were 332 different names in the registration lists coming from 182 organizations.

Six issues of FIIF Newsletter and two FIIF Alerts were published. On December 31, 2024 FIIF had 127 partner organizations and 504 names on its mailing list.

Networks

High Level Forum

GIANT | HIGH LEVEL FORUM
Leading Innovation Ecosystems

High Level Forum is an international forum devoted to co-learning between the leading innovation ecosystems. It is managed by the Grenoble Innovation Campus GIANT (Grenoble Innovation for Advanced New Technologies).

The High Level Forum was initiated in 2012. In the Forum, high-performance city-based innovation ecosystems are present. Tampere is the Finnish city invited to attend the HLF among more than 30 internationally recognized cities in innovation. Harri Kulmala and Clémentine Arpiainen from DIMECC work at the HLF Steering Committee. DIMECC has in ten years brought Finns the opportunity to learn from the best by active participation in the Forum.

The goal of the High Level Forum is to share policies, strategies and experiences about innovation management and promotion between leading campuses, to encourage and strengthen collaboration between the world’s most powerful innovation ecosystems, and to develop common initiatives for maximizing the social and economic benefits of innovation programs from the participating campuses.

Collaborative international organizations & networks

DIMECC

EU

- The AI Data Robotics Association
- ADMA — European Advanced Manufacturing Support Centre
- ASPIRE — Processes Planet Research Association
- European Cluster Collaboration Platform
- EFFRA — European Factories of the Future Research Association
- MANUFUTURE-EU
- 3D Printing Vanguard Initiative

We connect with the best partners and influence larger entities.

ROW

- digital twin CONSORTIUM
- IVI Industrial Value Chain Initiative
- POSTECH — Pohang University of Science and Technology

Shareholders 2024

SHAREHOLDER	N. OF SHARES
Aalto-korkeakoulusäätiö	150
ABB Oy	120
Andritz Oy	50
Bittium Technologies Oy	120
Boliden Kokkola Oy	50
Cargotec Oyj	120
Centria Ammattikorkeakoulu Oy	12
CSC-Tieteen tietotekniikan keskus Oy	12
Digita Oy	52
Elisa Oyj	120
Oy L M Ericsson Ab	120
EXFO Oy	12
Fastems Oy Ab	50
FIMA Forum for Intelligent Machines ry	50
Finn-Power Oy	50
Haaga-Helia Oy Ab	12
Helsingin yliopiston rahastot	24
Inno-W Oy	12
Itä-Suomen Yliopisto	12
Juridiska Personen Åbo Akademi	40
Jyväskylän ammattikorkeakoulu	12
Jyväskylän yliopisto	52
Kaakkois-Suomen ammattikorkeakoulu	12
Knowit Cloud Partnerships Oy	12
KONE Oyj	120
Konecranes Oyj	120
Kongsberg Maritime	50
Kumera Oy	50
Lapin Ammattikorkeakoulu Oy	40
Lapin Yliopisto	24
Lappeenrannan teknillinen yliopisto	64
Laurea Ammattikorkeakoulu Oy	52
Medialiitto	12
Metropolia Ammattikorkeakoulu Oy	52
Metso Oyj	170
Meyer Turku Oy	120
Murata Electronics Oy	24
Nokia Oyj	120
Nokia Solutions and Networks Oy	84
Oulun yliopisto	64
Outokumpu Oyj	120
Prizztech Oy	12
Rautaruukki Oyj	120
Raute Oyj	50
Reaktor Innovations Oy	12
Sanoma Oyj	120
SSH Communications Security Oyj	12
Stiftelsen Arcada	9
Stiftelsen Svenska Handelshögskolan	40
Suunto Oy	12
Tampereen Ammattikorkeakoulu Oy	40
Tampereen korkeakoulusäätiö	76
Technopolis Oyj	60
Teknologian tutkimuskeskus VTT Oy	210
Teleste Oyj	12
Telia Finland Oyj	120
Tieto Finland Oy	120
Tuotekehitys Oy Tamlink	64
Turun Ammattikorkeakoulu	52
Turun yliopisto	64
Vaasan yliopisto	40
Wapice Oy	50
Wärtsilä Finland Oy	120
WithSecure Oyj	12
Åbo Akademi	24
Älykkään liikenteen verkosto - ITS Finland ry	12

DIMECC

DIMECC's 65 shareholders:

Board of Directors

Karno Tenovuo
Chairman of the Board
CEO, **Awake.ai**

Markku Haakana
Country Finance Manager
ABB

Tero Hottinen
Head of Strategic Technology Partnerships
KONE

Ilona Lundström
Chairperson of the Board
Metropolia

Laura Juvonen
Senior Vice President Strategy
VTT

Jukka Parkkinen
CEO
Boogie Software Oy

Tapani Tilus
CDO
Raute Oyj

Deputy member: Kalle Härkki

Board of directors was elected in the annual general meeting in April 25, 2024. The board had 8 meetings in 2024.
In 2024, the remuneration paid to board members was 150€/meeting (200€ for the chair).

PricewaterhouseCoopers Oy, and Mr. Tomi Moisio as the auditor in charge, worked as the auditor of the company until April 25th. Since that date, Oy Tuokko Ltd, and Mr. Keijo Kaulio works as the auditor in charge of the company.

Management

Dr. Harri Kulmala
Chief Executive Officer

External positions in 2024:
• Member of The Royal Society of Arts, Manufacturing & Commerce
• Member of high-level group, EU ManuFuture technology platform
• Associate professor (docent), LUT
• Member of innovation and competitiveness council, Finnish Technology Industries
• Demola Global Ltd. member of the board
• Scouter Mobility Ltd. member of the board
• Linz Center of Mechatronics, member of strategic advisory board
• GIANT High Level Forum, member of steering committee

Tomi Kankainen
(M.Sc., M.A.)
Chief Business Development Officer

External positions in 2024:
• Demola Global Ltd. member of the board

Dr. Sini Metsä-Kortelainen
Head of Ecosystems

Rauno Hatakka
(B.Sc. (Eng))
Head of Ecosystems

Dr. Seppo Tikkanen
Senior Ecosystem Lead

External positions in 2024:
• ADRA PPP, member of the board

Personnel (Dec 31st 2024)

Clémentine Arpiainen
(M.Sc. (Pol. Sc.), M.Sc. (Int. Rel.), M.Sc. (Dev. Studies))
Ecosystem Lead
Disruptive Renewal Scout

Mia Backman
(Master of Culture and Arts, MBA)
Senior Ecosystem Facilitator

Mimmi Erkkilä
(BBA)
Event Manager

Mrehan Elshehawy
(B.Sc. (Eng.), PMP ®)
Senior Project Manager

Medha Gupta
(M.Sc.)
Scale-up Manager

Lisbet Frey
(MPA: Master of Public Administration (Public Law, Business Law))
Project Manager

Emilie Hachem
(B. Eng.)
Ecosystem Facilitator

Dr. Heli Harrikari
Strategic Program Lead

Tuulia Haveri
(M.Sc., MBA)
Senior Ecosystem Lead

Eetu Holstein
(M.Sc. Eng)
Senior Ecosystem Lead

Antti Karjaluoto
(M.Sc. Econ., M.Sc. Admin.)
Disruptive Renewal Officer

Asko Kokkonen
(M.Sc. Tech)
Ecosystem and Project Lead

Personnel (Dec 31st 2024)

Kaisa Kaukovirta
(M.A., BBA)
Communications & Marketing Manager

Markus Korpela
(M.Sc. Eng)
Senior Expert

Kuisma Nadia
(MBA)
Project Expert, Communications and Dissemination

Ville Lämsä
(M.Sc.)
Manager, Project Planning and Preparations

Prof. Markku Oivo
Distinguished Advisor

Roope Pajasmaa
(M.Sc., EMBA)
Senior Ecosystem Lead

Marika Moilanen
(BBA)
Manager, Finance

Dr. Arto Peltomaa
Program Manager

Doris Pryjma
(M.Sc. Eng)
Manager, EU Relations & Collaboration

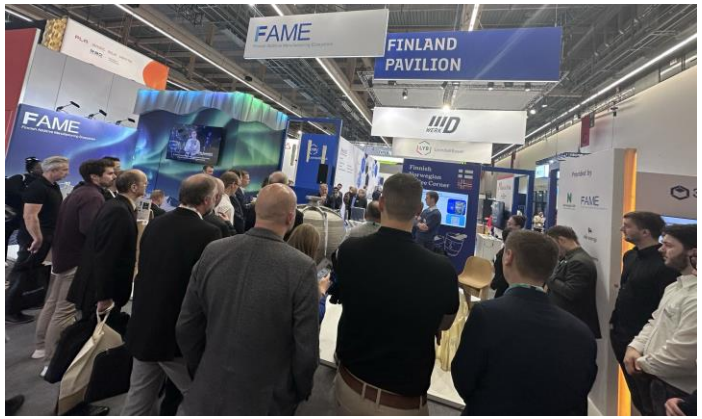
Vilma Saari
(M.Sc. (Tech)
Ecosystem Facilitator

Eija Syrjämäki
(B.Eng., M.Soc.Sc.)
Ecosystem Facilitator, Project Manager

DIMECC Highlights 2024

DIMECC's 17th Annual Seminar: AI Powering Product Development, was held in collaboration with Aalto Design Factory. With engaging presentations, followed by interactive workshops, the day offered valuable insights and thought-provoking ideas. The Product Development Path Makers 2024 Awards and Mentions were presented by the Minister of Science and Culture, Sari Multala.

DIMECC launched two ecosystems, Metaverse Finland (MEFI) and MAKE in Finland, attracting over 50 members. The MEFI ecosystem unites Finnish industries and academia to explore the potential of the metaverse, focusing on integrating metaverse technologies in manufacturing, construction, and logistics. The MAKE in Finland ecosystem is dedicated to fostering sustainable and innovative practices, positioning the Finnish manufacturing industry as a global leader.



Sustainability is highlighted in DIMECC actions, including the new SuMEx project, which focuses on finding methods to reduce the environmental impacts of production. Sustainability working groups operate across ecosystems. At Formnext, the Finnish Pavilion, led by the FAME Ecosystem, showcased case studies comparing the carbon emissions of 3D-printed and traditionally manufactured components.

Key financial information

The financial year 2024 of DIMECC ended December 31st. Due to DIMECC's role as a non-dividend sharing company, the key financial information is presented in short form and without traditional business performance measures.

Profit and Loss Statement	
Income	
Net sales	1 519 892,66
DIMECC Program management fees	337 445,42
Other income	1 944 052,06
Total Income	**3 801 390,14**
Expenses	
Materials & services	−372 008,74
Personnel costs	−2 440 138,38
Other expenses of operations	−969 809,57
Total expenses	**-3 781 956,69**
Operating profit	**19 433,45**
Financial income	74 544,26
Profit of the year	**93 977,71**

Balance Sheet	
Assets	
Stocks, shares, and fixed assets	516 830,37
Long-term investments	2 252,89
Short-term receivables	2 571 745,59
Cash and bank balances	1 408 643,95
Total assets	**4 499 472,80**
Liabilities and shareholders' equity	
Restricted equity	1 146 500,00
Non-restricted equity	2 302 113,91
Net losses from previous years	−181 570,67
Net profit of the year	93 977,71
Liabilities	1 138 451,85
Total liabilities and shareholders' equity	**4 499 472,80**

Annual Report 2024

DIMECC Ltd.
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33100 Tampere
Finland
www.dimecc.com
Business ID (Finland)
2179030-4

DIMECC