# Building Trusted Digital Societies

Tietoevry Veturi Research Roadmap

Development initiatives for co-innovation and research collaboration





## We want to change how IT business is run by building a Trusted Digital Society

The Tietoevry Veturi project accelerates the development of trusted technologies, develops Finland's technological know-how and helps Finnish IT companies to build globally scalable business value from responsible data-enabled platforms



Develop **trusted data-enabled platforms**, building on cutting-edge technology, to create scalable business value



Build **re-usable technology modules** and use open-source components to develop solutions faster and more cost efficiently



Co-create **platform business models** together with the Finnish IT ecosystem, expanding in global markets



Strengthen long-term **industry and academia collaboration** for future competitiveness



## Trusted Digital Societies programme overview

We focus on horizontal research initiatives and three vertical industry specific topics

	Banking	Care	Energy & City				
HORIZONTAL RESEARCH INITIATIVES →Image: Second							
VERTICAL INDUSTRY TOPICS	Real-time Bill Payment Financial Crime Prevention Financial Insights and Ecosystem Models	Digital Treatments & Remote Home services Digital Self-care & Remote Diagnostics Data & Al-supported Insights and Decisions	Energy System Planning and Maintenance Automatic Metering Solutions for Green Cities				

# Ecosystem approach

We are looking for research and industrial partners for building joint technology capabilities in the horizontal themes and developing commercialization opportunities in the industry specific topics

# 1. Build joint technology capabilities

Business Finland co-creation projects Academy of Finland projects

HORIZONTAL RESEARCH INITIATIVES 2. Develop joint commercialization opportunities Business Finland co-innovation projects

INDUSTRY-DRIVEN PROOFS-OF-VALUE

VERTICAL INDUSTRY TOPICS

# 3. Scale and internationalize

Collaborative go-to-market Engagement Framework & Scaling

Business Finland research to business activity

Developing export opportunities

#### SPINOFF EFFORT

#### VETURI SCOPE

## Horizontal Technologies Roadmap 1/2

We want to initiate research collaboration in horizontal technologies enable long-term business infrastructure, establish common technology-specific platforms and ensure compliance to EU-level acts and regulations.

#### Machine learning

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		Next genera	tion self-organized ML	methods		
			ML & analytics lifecyc	ele management		
		Proofs-of-value: Machine Learning Lifecycle Management				
Trustworthy AI	Trustworthy Al					
Trustworthy and resource efficient AI						
		AI system certification prototype				
					AI platform PoV	
Digital ID						
Trust in consumer-to-machine & machine-to machine digital interactions						
		Digital identity white label platform				
				PoVs for C2M & M2	M interactions	
RESEARCH TOPICS	INDUSTRIAL COLLABORATION	PROOFS-OF-VALUE		For inquiries on collaboration opportur please contact Iftikhar Ahmad (iftikhar.		

## Horizontal Technologies Roadmap 2/2

We want to initiate research collaboration in horizontal technologies enable long-term business infrastructure, establish common technology-specific platforms and ensure compliance to EU-level acts and regulations.

#### Data orchestration and collaboration

Anonymisation of data for EU data regulation						
	Secure, scalable and adaptable data ecosystem platform					
				Data orchestration	platform PoV	
Secure comm	unications					
	Digital security twins					
Security methods for massive IoT systems						
Digital ID & massive IoT platform development						
			Proofs-of-valu	e for Digital ID and massive loT p	latform	
Ecosystem models, compliance and operations framework						
Governance & business models for ecosystems & platforms						
		E	cosystem strategies and operating	models for different industries		
					Framework & platform	



INDUSTRIAL COLLABORATION

RATION PROOFS-OF-VALUE

For inquiries on collaboration opportunities in enabling technologies, please contact Iftikhar Ahmad (iftikhar.ahmad@tietoevry.com).

for ecosystems

## Banking Roadmap

We call for strong industry and cross industry collaboration to design both solutions and new Target Operation Models for new common banking platforms

Ecosystem models for bill payment					
	Real-t	ime bill payment platform			
				Bill payment proofs-of-value	
Real-time financial crime prevention					
	Financial Crime Prevention platform				
				Proofs-of-value on Financial crime prevention	
		Financial	insights and ecosystem i	models	
		Digital identity wh	nite label platform		
			Proot	fs-of-value on Financial insights	
CH TOPICS	INDUSTRIAL COLLABORATION	PROOFS-OF-VALUE		For inquiries on collaboration opportunities in Banking, please contact Sami Uski (sami.uski@tietoevry.com).	

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### Care Roadmap

We call for collaborative research and industry-specific ecosystems development in the Veturi project to build capabilities for new data-driven Citizen and Patient engagement services for Digital Selfcare, Digital Treatments and Remote Care - and to support continuous assessment of the services and related care outcomes.

		Data & Al	Platforms for the Ecosystem	n	
	Data and A	I/Analytics Platform for Pre	eventive and Personalized Care	ý	
		Embedded Ca	re Effectiveness Evaluation		
	IoM	T Device (consumer & mec	lical) Connectivity		Proofs-of-value
		Digital	Treatments & Remote Care		
	D	igital Clinic & Remote diag	nostics		
	Digit	al Care Pathways & Digital	Therapeutics		
			Remote Home Monitoring		Proofs-of-value
			Digital Wellbeing		
		Preventive Ca	re Solutions		
					Proofs-of-value
		Platform for	Health Ecosystem Orchestra	tion	
ESEARCH TOPICS	INDUSTRIAL COLLABORATION	PROOFS-OF-VALUE	Forir	nquiries on collaboration of	re,

## Energy & City Roadmap

We call for collaboration with research and industry stakeholders to build capabilities in new power grid design methods, automatic metering, solutions for distributed energy management, as well as decarbonization of energy use in municipal infrastructures.

Al for Energy System Planning, Maintenance and Management					
	Energy System Planning Platform				
	Solutions for Facility Cluster Energy Management				
	Proofs-of-value for Energy System Planning and	Management			

Al for Managing Advanced Metering Infrastructure & Data

Advanced Metering Platform & Ecosystem

Proofs-of-value for AI-Driven Advanced Metering

#### Green Energy Transition in Cities

Data-driven Energy Management Decarbonization of Energy Use in Municipal Infrastructures

Proofs-of-value for Data-Driven Energy & Decarbonization Ecosystems in Cities

RESEARCH TOPICS

INDUSTRIAL COLLABORATION

PROOFS-OF-VALUE

For inquries on Energy and City collaboration opportunities, please contact Fredrik Jansson (fredrik jansson@tietoevry.com).

# Contact us

General inquiries and more info: veturi.ecosystem@tietoevry.com https://tietoevry.com/veturi

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# Developers of digital futures

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