The flow of urban life





The flow of urban life (2020-2024) is a joint 50 M€ Veturi R&D program launched by KONE and co-funded by Business Finland. It focuses on sustainable people flow and new technologies for smoother and safer urban living. The new program will draw on expertise from a variety of companies and organizations, to address some of the key ecological, social and economic challenges and opportunities created by urbanization.

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The **research and development in The flow of urban life** program aims at producing new ground-breaking technologies and smart business concepts. It is divided into five themes:



The flow of urban life program invites different stakeholders to join in building a world-leading innovation ecosystem to eventually commercialize new services and solutions and build sustainable businesses.

Research, development and innovation focus points



KONE Partner Ecosystem

- Innovate with KONE co-innovation with ecosystem partners developing future solutions based on customer challenges
- Developing ecosystem further with ecosystem partners
- Gaining value through research

Sustainable innovations	Smart	Smart buildings	Future	Smart	Upskilling in competences of the existing workforce
	construction	and cities	living	maintenance	and attract new talents Social impact
New innovative concepts to support sustainability, including but not limited to energy efficiency, materials, health and wellbeing, and inclusive and responsive buildings. New concepts and designs that foster sustainable behaviors.	Solutions for higher productivity, quality, and safety in the construction processes together with lower environmental impact and increased sustainability, fitness- for-use and resilience in the resulting built environment.	Smart building and cities solutions may be target for many use cases for offices, multiuse buildings, public spaces or even smart infra hubs such as metro stations. New innovative concepts utilizing people flow data, connectivity and AI.	Solutions for future living to provide a seamless user experience in the residential buildings. New solutions to access and visitor management, but also to wider context of smart homes and future living.	Solutions to support lifecycle-based approach - rethinking the way we maintain and operate buildings. Solutions may be linked among others to use IoT and AI to support preventive maintenance and to reduce the need of maintenance visits.	 Sustainable transition and modelling, simulating and measuring environmental & climate impact Tools and processes for designing sustainable services and solutions, circular-by-design Environmental & sustainability awareness increased throughout the value chains Ecological impact Partner ecosystem development and management Integrated scalable services and business models,

Future business models to enable sustainable success with customers

Sustainability embedded into everything we do:

- Built for and with the people
- The way we live in the built environment becomes more sustainable
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- els. platform ecosystems
- Piloting and test-beds for new applications

Specific topics for academia-led projects



Sustainability embedded into

everything we do:

The research in **The flow of urban life** program aims at producing ground-breaking multidisciplinary knowledge. It is divided into the following research themes:

Towards sustainable success	Smart and sustainable lifecycle solutions	Sustainable, resilient and inclusive cities and communities		 Built for and with the people The way we live in the built environment becomes more sustainable 	
 Creating research-based processes to guarantee sustainable success Discovering and defining radical innovation opportunities/areas for sustainable 	Producing insights to create sustainable, viable and feasible lifecycle solutions for urban environments Integrating, simulating and	 Creating and sharing actionable research based state-of-the-art and foresight understanding of sustainable urban transformation Identifying the present and future local and global trends shaping urban development Co-creating approaches for transforming cities into sustainable, inclusive and resilient urban communities Forecasting and producing local and global visions of urbanization 		 Upskilling in competences of the existing workforce and attract new talents Social impact 	
 urban transformation Developing new R&D&I frameworks, methods, tools and approaches Evaluating, modelling and simulating the developed frameworks, methods, tools and approaches 	 optimizing smooth people, material and data flows in all building lifecycle phases Modelling and assessing solution lifecycle impacts Prioritizing solutions and supporting strategic decision-making 			 Sustainable transition and modelling, simulating and measuring environmental & climate impact Tools and processes for designing sustainable services and solutions, circular-by-design Environmental & sustainability awareness increased throughout the value chains 	
Cros		Ecological impact 😡			
	0_	 Partner ecosystem development and management Integrated scalable services and business models, within a more integrated value networks and 			
li			 Piloting and test-beds for new applications 		
				Economical impact	

Co-creation for and with people ncluding e.g. stakeholder engagement, behaviour change, accessibility and wellbeing