


<b>Partner Full Name</b>	<b>Commitment AS</b>		
<b>Short Name</b>	COMMIT	<b>Country</b>	NORWAY
<b>Type</b>	Research	<b>Website</b>	<a href="http://www.commitment.no">http://www.commitment.no</a>
<b>Official Logo</b>			
			
<b>Brief Partner Profile</b>			
<p>Commitment is a consultancy established in 1999 with its office at Lysaker, Norway. The total income and turnover in 2014 was close to 29 mill. NOK. The turnover in 2015 will be around 28 mill. NOK or 3.2 mill. EURO with the present currency. Commitment is a SME with 17 employees.</p> <p>Commitment has leading expertise in: - distributed project planning and management, dynamic enterprise knowledge architectures, Active Knowledge Modelling (AKM), and agile approaches to holistic design. The major business sectors are telecommunication, oil and gas projects, healthcare, defence, and R&amp;D projects to realize the AKM technology. Commitment took over the AKM company and its knowledge assets in 2007, and employed the two leading inventors, Jørgensen and Lillehagen. The biggest customer is Telenor, the leading telecommunications provider in Scandinavia.</p>			
<b>Role in Project</b>			
<p>COMMIT is responsible for WP2 Methods and Guidelines, for holistic thinking, and for the following tasks:          WP1 task 1 - collecting SotA, trends and innovations from partners and sector interest organizations,          WP3 tasks 2- Modelling categories of knowledge models, WP4 task 2 – Build AKM – models for HM Interaction,          WP5 task 2- experimenting with alternative solutions, WP7 task 4 – participate in international events.</p>			
<b>Relative Expertise / Experience</b>			
<p>Commitment has free access to the Troux products in R&amp;D projects, Metis tools from 2005, when the METIS tools were sold to Troux Technologies, Austin, Texas. Troux was in 2015 acquired by Planview Troux. Commitment will provide the core modelling and execution platform, the methods to build Active Knowledge Architecture (AKA), modelling key methodologies, developed and used in the projects below, and methods to integrate and enhance software and smart digital components.</p> <p>Commitment has the founding AKM and AKA people, who are still the leading thinkers.</p>			
<b>Relevant Projects / Activities / Initiatives</b>			
<ol style="list-style-type: none"> <li>1. DIONE, Skattefunn, Norwegian Research Council, 2015-17, Design and Innovation of Networked Enterprises</li> <li>2. MALABS, Skattefunn, Norwegian Research Council, 2013-15, Model-based, Architecture-driven Workplaces for Learning and Innovation.</li> <li>3. HEDAKA, Norwegian Research Foundation, 2010-12, Holistic Design of Enterprises enabled by Active Knowledge Architecture.</li> <li>4. CoSpaces, (EU, FP7), 2007 to 2010, Commitment responsible for the Open Collaboration Reference Architecture (OCRA)</li> <li>5. MAPPER, (EU, FP7, coordinator Computas), 2005 – 2008, Model-based, Architecture-driven Product, Process and Enterprise Research.</li> <li>6. ATHENA IP (EU, FP7, WP leader Computas) AKM group, was in charge ICT technology, one work-package and several tasks in the other work-packages.</li> <li>7. From 2001 the AKM group was part of Computas got involved in EU research projects through the ownership of the METIS modelling tools.</li> </ol>			

### Relevant Publications

Lillehagen, F, and Krogstie, J.: Holistic Design Cyclic Design and Operation, Paper at ISPIM Conference 2016, Porto, June 19-22, 2016.

Lillehagen, F, Jørgensen. H: Active Knowledge Architecture and Agile Platforms. Presentation at Software 2014, Norwegian Computer Society, 26th February, 2014.

Lillehagen, F and Krogstie, J, Petersen, S.A: - Active Knowledge Architecture, What Systems Engineering Need to Embrace, invited article in Journal of Systems Engineering, Nov. 2013.

Lillehagen, F and Petersen, S.A: Agile Enterprise Design and Innovation, tutorial, ISPIM Conference, June 19th, 2013.

Lillehagen, F, Krogstie, J, Petersen, S.A: Enabling Holistic Design, Innovation and Learning, Paper at ISPIM Conference, Barcelona, June 17-20, 2012.

Lillehagen, F. & Krogstie, J; Active Knowledge Modelling of Enterprises, Book, Springer 2008

The AKM website, see <http://activeknowledgemodelling.com/>

### Infrastructure and Technical Equipment

COMMIT is located at Lysaker just west of Oslo, and within walking distance of all communications, and the Research Council of Norway. The area around Lysaker has many interesting technology and engineering companies. The Internet connections are very good and give safe connections to state of the art IT facilities. Currently we run private clouds in a safe environment for research and industry projects. A research infrastructure with the necessary support for workplaces is available for research and industry projects.

### Expected Benefits

IPK is an applied research institute. Its work is tailor closely to the needs and requirements of industry customers and partners. Therefore the exploitation strategy has two perspectives:

- 1. Regular publication in management and manufacturing papers and research projects,
- 2. Service provided to industry in terms of applied research cooperation.

The target is to enhance the methods in terms of model-based approaches, simulation and validation for resilient cyber physical applications for industry. This will lead to new and innovative service offer to the industry such as the realization of test services for cyber physical systems.

### Key Personnel's CVs

**Frank Lillehagen**, Manager R&D, project manager for several industrial and R&D projects across the world, since 1980. Coordinator for the UEML project, 2001 to 2003. Technical coordinator for IDEAS and initiator of the Athena IP. Founder of METIS AS and AKM AS. He has world leading competence in holistic design of enterprises and products, enterprise knowledge architecture, and model-based solutions. He has experience from nine EU projects, since 1995.

**Dr. Håvard Jørgensen** was responsible for the Open Collaboration Reference Architecture (OCRA) in the CoSpaces project, 2008 - 2010. He was technical coordinator of the MAPPER project. He worked at SINTEF ICT, Oslo, from 1995 to 2003, when he joined Frank at Computas R&D. They cofounded AKM in 2005. Håvard has leading expertise in enterprise architecture and active knowledge modelling. Together they author the blog: <http://activeknowledgemodeling.com/>.

**Snorre Fosslund** is responsible for the use of Planview Troux products, and building modelling and execution platforms for model-based, architecture-driven visual arenas and workplaces. The Planview Troux products; Architect, Insight, Navigate and Source have been extended with the AKM technology to support reflective operational and meta-models. He has 25 years of experience in EA and has worked in building evolutionary EA solutions for construction and healthcare.