

Curriculum Vitae

Name: **Hans Arthur Kielland Aanesen**
Address: Storkenebbveien 21, 0860 Oslo
Mobile/eMail: +47 40291180 / hans@iti.as hans@epr.no
Status: Divorced and 2 adult children
LinkedIn: <https://www.linkedin.com/in/hans-a-kielland-aanesen-7763aa2/>



Key knowledge:

Competence: Transformational Government framework(www.tGov.no), Cloud Transformation, Cloud services
Portal technology in Hybrid Data Network (real SOA), System Architect/Integration,
Project management (SOA = Service Oriented Architecture)
Characteristics: Motivational, Analytic and Structured

Professional experience:

2014-	laM AS:	CEO, Media and Healthcare Services & Products (www.laM-group.eu)
2003-	EPR-forum (tGov):	CEO, Founder, Standarization, International tGov-forum: (www.tGov.no) SOA Super Structures, Big DATA and Internet of Things: IoT based on "Open" Standards and Cloud Services. Main program: PSQA (Public Supervision & Quality Assurance)
1989-	IT & Integration AS :	COB, IT R&D and Engineering, Consultant and Investment company (www.ITI.AS) Developed Functional modelling of Electronic Devices (eDevices => IoT) from different suppliers and platforms. Introduction and sale of a IoTastic engines (www.IoTastic.eu) that interact with eDevices from different suppliers and platforms. CEA-721 standard functional mapping standard with eDevice IoT templates along with eFolder scenario workflow templates processed in the IoTastic engines for different market segments with Smart Solutions for Healthcare, Energy Smart Grid, Smart City, Smart buildings, Smart House/Apartments, Entertainment etc. The two IoTastic engines: IoT-engine and Workflow engine is based on real SOA standards from OASIS.
1987-1989	Electrolux AB:	IT Rationalization Consultant/ComputerAnalyst/Programmer
1983-1987	Falken AS:	Financial Manager, IT Manager and System developer
1981-1983	ValmetAutomation OY:	Section Manager SW development Ship&Offshore Automation with Microprocessor Technology
1977-1981	NEBB AS (ABB):	Project Manager Service and R&D, Software Architect Energy Supply & Ship Automation with Microprocessor Technology

Education:

2016-2017	MongoDB university:	MongoDB developer: Document oriented Database & Python SDK
1978-1980	BI university:	Business Economist
1972-1977	NTNU/NTH:	M.Sc Engineering Cybernetics/ComputerScience & Applied Mathematics

Board Positions outside ITI and EPR-forum:

1996-2017	Integrasoft SRL	SW and HW R&D company in Transylvania/Romania
1994-1998	CIC : EIA-721	Consumer Electronic Bus Interoperability Council, International Standardization organization
1992-1998	IT & Process AS	Supplier of solutions for the Utility Industry
1986-1991	NOAS AS	Norwegian Automation Systems(NOAS). Manufacturing and Selling Smart House solutions (Energy and Security control)

Major ITI missions:

2018-	eClassroom/MOOC	Cross academic topic educational services (www.eSam.no)
2014-	Standard Norway	CEN/ISO expert standardization work through Standard Norway: CEN/TC 431 - Service Chain for Social Care Alarms , Expert WG1 (SN/K 554) ISO/TC 68 – Mobile Banking & Financial services , SC2 Security, (SN/K 250)
2002-	OASIS	Organisation for the Advancement of Structured Information Standards (The world's largest open standard XML organization not-for-profit) Committee work: - Transformational Government Framework (TGF-eGov2) - Business Centric Methodology (BCM) - BCM-EPR Electronic Process' & Routines - Content Assembly Mechanism (CAM) - eGov Member Sections - eGov Web Services - Universal Business Language (UBL) - Remote Control XML - Computer Graphics Metafile(CGM) open WebCGM. Introduced OASIS to the EPR eDevice and eFolder modeling methods in SOA Super portal solutions. Speaker in OASIS Adoption Forum.
1999-2003	Enermet OY	Technical and Strategic advisor. Development and system Architecture on the energy system Avalon and their Rippel Controller in Enermet Switzerland.
1999-2002	Fine Forest Food AS	Project manager and system architect behind the Super portal for e-Business between food handling operators and consumers.
1998-2000	Akershus Energiverk	Design and programming of an Energy consumer support system.
1991-1999	IT & Process AS	Founder and architect behind a Smart house system with Energy metering , Energy control and Load management based on an International Bus standard(EIA-721). Project manager SW development
1987-1991	NOAS AS	Founder. Developed a RT Operating system and Applications, Drivers and Message exchange Protocol between network devices in a distributed process control system.(Smart House, Smart Farm)

Special areas of experience:

IT solutions based on international standardization in the area of Internet and Middleware SW using "open" SOA standards and loosely coupled application as **Web Services** (UDDI,WSDL,SOAP) and **Process Control Networking**. XML modeling/abstraction defined by the Generic Common Application Language (CAL:EIA-721)

Over the last years working with IT strategy and project management (System Integration) within:

- Rationalization/Automation of Workflows
- Service Portals and Super Portaler
- Video Conferencing Systems
- Building Control with Alarm & Energy Conservation Systems:
 - Care & Maintenance (Condition Monitoring)
 - Central Operation Monitoring
 - Smart House Technology with Meter reading and energy conservation (Smart Grid)
 - ResQCom (TETRA Emergency Network)

These projects have mainly been focused on web-based solutions by use of platform independent Thin Clients and Server Applications:

- Data Communication between TCP/IP Networks (Ethernet, Internet, Intranet)
- BUS Technologies (LON, CEBus, X-10, EIB, CAN etc).

The main contracting corporations:

Intelli AS (Telenor)

Enermet OY

Telenor Connect AS

Akershus Energiverk

Oslo Ennergi

IT & Process AS

Electrolux AB

Falken AS

Multimedia Capital AS

CareTech AS

International Publications:

IEEE:

Hans Arthur Kielleand Aanesen, John Borrás. **eHealth: The future service model for home and community health care**, https://www.researchgate.net/publication/259865183_eHealth_The_future_service_model_for_home_and_community_health_care
Abstract:

This document describes how future home and community health care services can be delivered using a range of new technologies and using standards developed by the EPR-forum and OASIS, and provides an overview of current efforts to build a new demonstrator showing how these services can be provided by the interoperability of the various eDevices and systems.

Published in: [Digital Ecosystems and Technologies \(DEST\)](#), 2013 7th IEEE International Conference on

Date of Conference: 24-26 July 2013

Date Added to IEEE Xplore: 26 September 2013

Date Added to Research gate: 25. january 2014

INSPEC Accession Number: 13798079

DOI: [10.1109/DEST.2013.6611349](https://doi.org/10.1109/DEST.2013.6611349)

Publisher: IEEE

Conference Location: Stanford University, Menlo Park, CA, USA

OASIS:

Hans A. Kielleand Aanesen, John Borrás, Nig Greenaway. **eHealth: Framework e-Health Profile Version 1.0**

Published in OASIS: [Transformational Government Framework\(TGF\)-eHealth-Profile](#)

Date published: 19 June 2014

International Seminars & Conferences presentations:

EHIN 2018

13. - 14. November 2018, Oslo Spectrum, IKT Norway, Oslo Norway

Speaker/Moderator: Hans A. Kielland Aanesen, EPR-forum (tGov)

Open Innovation & Cloud Services in the Health care sector

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Celtic Plus Smart Connected World 2014: Future Internet

3. March 2014, Telenor, Oslo Norway

Speaker: Hans A. Kielland Aanesen, EPR-forum (tGov)

The future Service Model for Home & Community Healthcare

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https://bscw.celticplus.eu/pub/bscw.cgi/d899/EU-CelticPlus_Telenor3March2014.pdf

24-26 July 2013 – Stanford University, Menlo Park, California, USA

Special Theme - Smart Planet and Cyber Physical Systems as Embodiment of Digital Ecosystems

Track F: Healthcare and Sustainable Living

Speaker: Hans A. Kielland Aanesen

eHealth: The future service model for home and community health care

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OASIS Symposium 2006: The meaning of Interoperability

9- 12 May 2006 ,San Fransico, California,USA.

Speaker:: [Hans Arthur Kielland Aanesen](#), President, IT&Integration AS, Norway and [Svein Tore Johnsen](#), CEO in CollBiz International AS and Partner in IT & Integration AS, Norway

OASIS BCM-EPR SC: Trading and Tracing Seafood Safely from Capture to Table

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OASIS Symposium 2004: Implementing e-Business for Open Standards and End Users and Public Administrations

6. Oct 2004, Brussels, Belgium

Speaker: [Hans A. Aanesen](#), eprXML System Architect, IT & Integration AS

OASIS EPR: Electronic Processing Solutions for e-Solutions for e-Service Systems within the EU

The EU faces many challenges in meeting the goals articulated by the eTen program and its vision. With 25 member states, how can a common interoperable infrastructure be put in place that is easy for citizens to adopt, is based on open standards, and is developing real e-service community solutions for government and business deployments? During this session, the presenter explores a solution.

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Seminars presenting tGov/mHealth in Norway:

BI Seminarer (2015-2018) Teknologistøttet selvledelse i helse og omsorg redder liv!

- [VELKON-2013: Welfare technology conference Trondheim \(NO\)](#)
- [eHelse-2013 Oslo 23-24/4-2013 \(NO\)](#)
- [How new technology can ensure a dignified elderly care ! \(NO\)](#)
- [Welfare technology conference Trondheim 2012 \(NO\)](#)
- [A Better&Safer way of Living ! \(NO\)](#)
- [eGov as a Platform](#)
- [Our Technological Future](#)
- [Workshop 3 & 4 2015 \(NO\)](#)
- [Workshop 2 2014 \(NO\)](#)
- [tGov & Disruptive Innovation WS1: eHelse - Ledelsesparadigme i Kommunal Helsetjeneste ! \(NO\)](#)
- [CAM Open Data Tool and Examples](#)
- [NO:Selvledelse&Selvbetjening](#)
- [NO:Smarthus&Kroppssensorer](#)

Heavily involved in making following [OASIS](#) Internet based service abstraction STANDARDS:

- [Transformational Government Framework \(TGF\) Pattern Language Core Patterns v1.0](#)
- [Business Centric Methodology \(BCM\) v1.0](#)
- [Content Assembly Mechanism \(CAM\) v1.1](#)