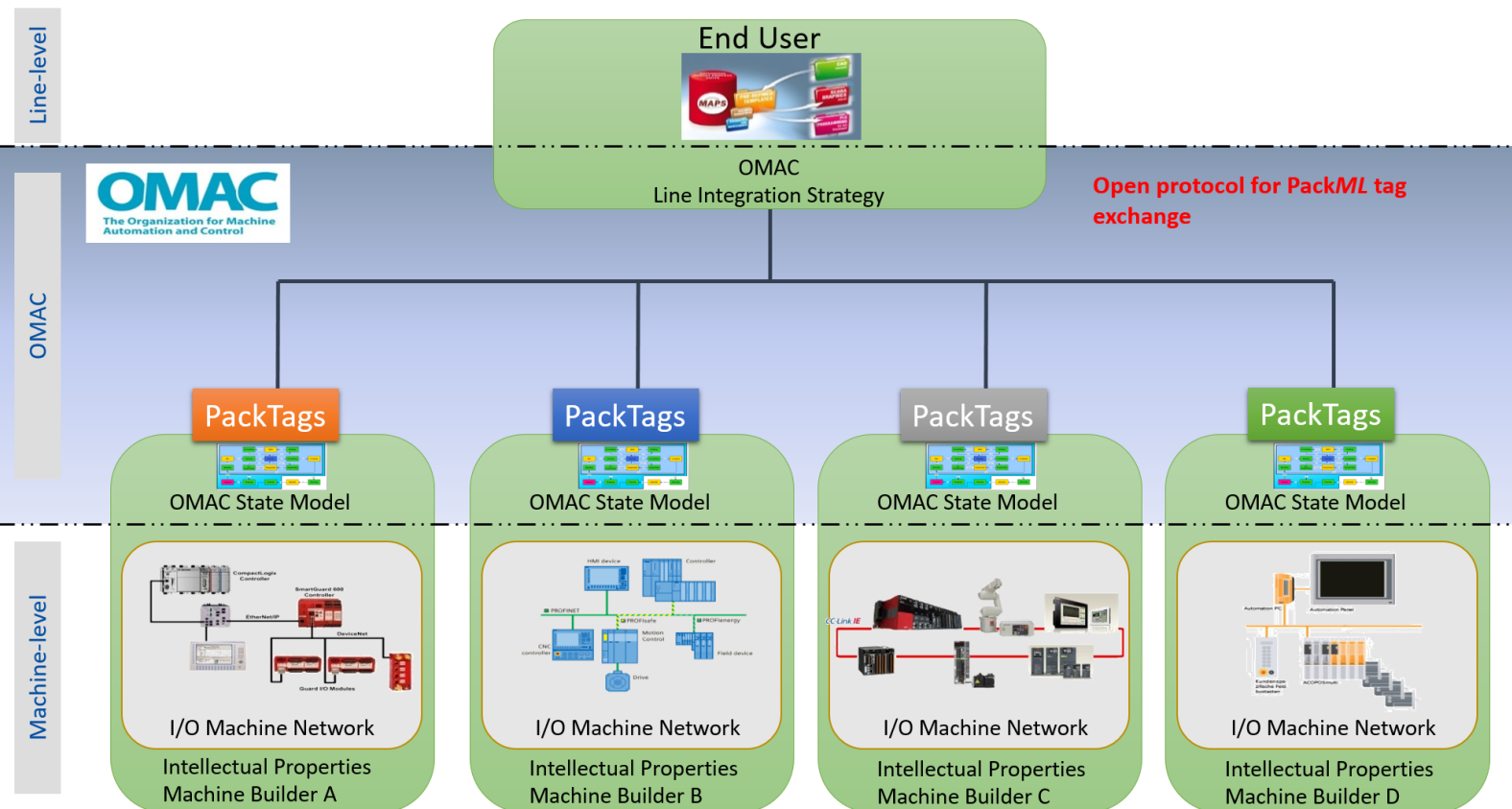


Smart Packaging Automation with PackML & OPC UA

Get User Stories, See Live implementations and
meet your Industry Peers



The conference is prepared in cooperation with companies and organizations

Smart Packaging Automation with PackML & OPC UA

The coming conference will focus on showing how the PackML & OPC UA Interface standard for machines can ensure optimal integration on factory floor and between machines and supervisory control systems.

Standards that will optimize Line integration and OEE and even reduce the implementation cost and reduce commissioning time. A conference that shows how Industry 4.0 can be obtained with Smart Packaging Automation.

Get information on how the PackML unit/machine Implementation Guidelines from OMAC can reduce time and costs of integration of machine equipment.

Participate in the conference and mini booth and get informed on how and why different end users, OEMs, Machine builders and automation suppliers develop and implement the PackML interface. Get information on the achieved results using the PackML interface.

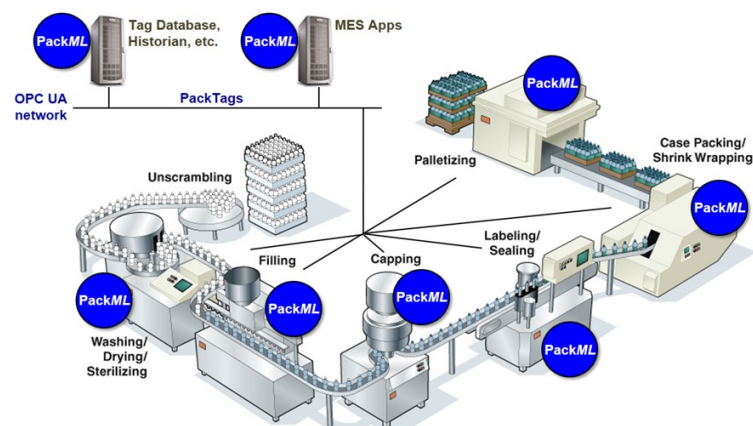
The conference will focus on how end user companies can improve production flexibility, throughput and increase capacity of machine equipment, while reducing the costs of integration.

Be informed about the new OMAC guidelines to ensure easy integration horizontally (process to packaging) and vertically (packaging to ERP). How can OEMs and Machine builders use these standards.

The conference will involve end users, machine builders, system integrators and automation suppliers. How do the different stakeholders look at the PackML unit/machine Implementation Guide, and how are they going to use the Guideline.

OMAC have provided a PackML unit/machine Implementation Guideline:

- Part 1: PackML Interface State Manager (ready from home page)
 - This document describes how the unit/machine can be controlled according to a fixed state model.
 - PackTags - Define interfaces for unit/machine equipment compared to a PLC interface.



Learn about the process that companies have been through, with a focus on what is required by an end user to involve the entire organization, from development to service and maintenance.

Hear about the interaction with machine builders and how the PackML unit/machine Implementation Guide is used.

What can automation suppliers do to supply of standard software packages that support the PackML unit/machine Implementation Guide.

Get information on the education and training program within PackML & OPC UA?

Participate in the conference and hear companies experiences and talk to specialists and colleagues.

Participate and get access to all the presentations and a hardcopy of the PackML unit/machine Implementation Guide.

Be informed about future activities in OMAC: Machine Software Code Structure, Connect - Network Connections, Safety, Line Integration, User Interface – HMI, OEE. Have you say on what you think should be the future activities.

Looking forward to seeing you at the Smart Packaging Automation conference in Copenhagen.

Get User Stories, See Live implementations and meet your Industry Peers

Practical information

Date and place

Date: **15th to 16th March 2017**,
Place: **Microsoft Development Center Copenhagen**
Kanalvej 7, 2800 Kongens Lyngby, Denmark

Registration

www.sesam-world.com/registration-omac

Confirmation and invoice will be sent immediately after registration

Last day of registration

Friday 10th March 2017

Price

Price for participation

- 350,- Euro excl. VAT (*) for OMAC and SESAM members
- 450,- Euro excl. VAT (*) non members

The price include the Conference fee as well a participation in the common dinner.

(*) Danish VAT is 25%

Hotel recommendations (Km from Microsoft)

Hotel reservations are not included in the conference fee.
It is necessary that you book the hotel itself.

Scandic Eremitage (1 km)

www.scandichotels.com/hotels/denmark/kopenhamn/scandic-eremitage

Sinatur Hotel Frederiksdal (5 km)

www.sinatur.dk/hoteller/hotel-frederiksdal

Living Suites (10 km)

www.da.hotels.com/ho604340

Gentofte Hotel (4 km)

www.gentoftehotel.dk

Kurhotel Skodsborg (9 km)

www.skodsborg.dk

Comwell Holte (9 km)

www.comwellholte.dk/

Hellerup Parkhotel (7 km)

www.hellerupparkhotel.dk/en/

Cancellation

No refund on withdrawals later than two week before the Conference.
Want to become a member of SESAM or OMAC, and would like further information, please contact us.

General coordinator:

SESAM-WORLD

Tel. +45 2463 0527

info@sesam-world.com

www.sesam-world.com

Program

Get User Stories, See Live implementations and meet your Industry Peers.

All presentations are based on End User experiences, and Machine Builders experiences. Furthermore, have a say on the future development for End Users, OEMs and Machine Builders.

Participate in the End User Round table discussion to get answers on the questions you have.

See part of the companies presenting at the conference on the back page.

15 March 2017		
11:00	12:00	Registration
12:00	13:00	Lunch & Exhibition
13:00	13:30	Introduction
13:30	14:00	Speaker
14:00	14:30	Speaker
14:30	15:00	Speaker
15:00	16:00	Break & Exhibition
16:00	16:30	Speaker
16:30	17:00	Speaker
17:00	17:30	Speaker
17:30	18:00	Exhibition
18:00	19:30	Break and return to hotel
19:30	21:30	Dinner & networking

16 March 2017		
08:00	08:30	Registration
08:30	09:00	Speaker
09:00	09:30	Speaker
09:30	10:00	Speaker
10:00	11:00	Break & Exhibition
11:00	11:30	Speaker
11:30	12:00	Speaker
12:00	12:30	Speaker
12:30	13:00	End User Round table
13:00	14:00	Lunch & Exhibition

Exhibition: PackML and OPC UA

The coming conference will include a mini exhibition with a focus on PackML implementations and the usage of OPC UA. End users will show examples of implementation and Automations suppliers will show their tools and solutions for OEMs and End User Companies.

Program 15th March

11:00 - 12:00

Registration and handing out materials



12:00 - 13:00

Lunch at the exhibition area

See the list of exhibitors at the back of the program



13:00 - 13:30

Introduction to the conference

Arne Svendsen, Board member, OMAC

Carsten Nøkleby, Chairman of the Board, SESAM



Short introduction to the conference program, all speakers and the value of the mini exhibition that are related to the conference. Information on practical issues.

In addition, there will be a brief review of the new initiatives that OMAC start up this spring. Be informed about how you get engage in the working groups related to the PackML Unit/Machine Implementation Guide.



13:30 - 14:00

Transforming your production in a digital world

Microsoft Development Center

Microsoft makes an introduction to how they transform production with IT. There will be a focus on software to enhance production processes. There will be a focus on IoT and Industry 4.0. Hear about the selected technologies and standards, that Microsoft works with to improve customers' business.



14:00 - 14:30

Standardized TCP/IP interface based on PackML philosophy for PLC's

Kasper Korsholm og Lasse Hedeby, VELUX

Hear about how and why VELUX has chosen to standardize their HMI and PLC interfaces based on PackML and OPC UA.

- How VELUX makes machines based on a PackML thinking.
- Hear about how VELUX has developed a standard PackML interface based on TCP/IP
- What gives the standard of benefits?
- How the standard is used internally in the VELUX and external to the machine builder?
- Examples of features in VELUX PackML Interface and Test software.



14:30 - 15:00

Ways to optimize production by using PackML and the IIoT

Spencer Cramer, CEO, ei3

Get input about how to improve OEE, reduce downtime, improve quality and increase production by using the the PackML standard to bring information into the cloud with secure IIoT devices.

- How can PackML and OPC UA help in providing and capturing quality data to tests, analyze results and send alerts while your process line is running?
- How can PackML and related tools help in respect for batch and recipe management at unit/machine level?
- How can interoperability and standardized solutions enable an operation to constantly improve quality of process and product?

Program 15th March



15:00 - 16:00

Break and exhibition & PackML training

See the list of exhibitors at the back of the program



16:00 - 16:30

PackML and OPC UA technical implementation

Rainer Bayrhammer & Manfred Zoehrer, HAAS

The presentation will give a picture on how strategy have been in the adaption of PackML and OPC UA.

- What are the technical and business driver for using these standards?
- See and hear about the new concept based on PackML and OPC UA and how the concept are adapted by specific projects.
- Get details about the technical implementation.



16:30 - 17:00

PackML as the basis for the new machines and lines

John Asbjørn Skajem, Beumer Group A/S

Get an inside to the new machine and system concept based on PackML.

- A short introduction to our system together with a short presentation video of one of our systems.
- A break down introduction to the overall system architecture – And our approach to the unit/equipment modularization.
- The Control Object the center piece in the architecture.
- The modular concept, and the use of the PackML mode/state model in our design.
- Interfacing between units, and our adaptation of PackTags.



17:00 - 17:30

PackML training

Carsten Nøkleby, Ph.D., SESAM-World

The presentation will give an introduction to the new PackML unit/machine Implementation Guide:

- Purpose, Goals, Background and Scope of Implementation Guide
- PackML Interface State Manager
- The ISA 88 Physical Model & Recipe Management
 - * Define a Unit
 - * The PackML Interface State Model



17:30 - 18:00

Exhibition

See the list of exhibitors at the back of the program



18:00 - 19:30

Break and transport to dinner

The dinner is taking place at the Scandic Hotel - Walking distance from Microsoft.

- Parking in the basement of Hotel and Lyngby Shopping Center (See details on the next pages).



19:30 - 21:30

Dinner & networking

Scandic Hotel, Klampenborgvej 230, Lyngby Storcenter, 2800 Kgs. Lyngby.

- Walking distance from Microsoft. (See details on the next pages).

Program 16th March



08:00 - 08:30

Registration & coffee

See the list of exhibitors at the back of the program



08:30 - 09:00

OPC UA for automation and PackML information model

Christian Hock, Siemens (OPC Foundation Representative)

Get an update on OPC UA model and get an update on the OMAC information model on top of the OPC UA Base services. In addition, get a more general report about all fantastic stuff coming up in the OPC Foundation Forum related to interconnection of application. The new connector for lot and Industry 4.0.



09:00 - 09:30

The journey with PackML

Claus Norup and Arne Svendsen, Arla Foods

The presentation will illustrate the journey that Arla Foods have taken to implement PackML on Packaging Lines.

- Get information on the business value in project implementation and the value during the operation.
- Get a picture of the challenges that have been and still are to implement PackML on a complete packaging line.
- Gain insight into how Arla Foods has solved PackML challenges at technical, commercial and organizational level.
- See examples from running PackML lines and hear how the new packing lines are to be built.
- Learn about the requirements given to machine builders on PackML implementation and how Arla Foods wants to test PackML interoperability at Factory Acceptance Test (FAT). Hear about PackML test suitcase.



09:30 - 10:00

PackML from a machine and solution providers point of view

Scarabelli Paolo & Filippo Serafini, Tetra Pak. .

Tetra Pak will give a presentation on how PackML is to be used in the new control structure of Machines and Lines.

- Get informed about Tetra Pak line integration and how this match PackML concept
- Get view about PackML tests and verifications Tetra Pak have done to evaluate the PackML standard
- Be informed about the benefits and the challenges in adapting PackML as an Interface
- What are the next steps to adapt the PackML standard?



10:00 - 11:00

Break and exhibition

See the list of exhibitors at the back of the program



11:00 - 11:30

Understanding PackML

Heinz-Hermann Brümmer, meurer Verpackungssysteme

meurer Verpackungssysteme will present its understanding of the PackML standard.

Key elements of the presentation will be the benefits for End Users and Machine Builders due to the *PackML unit/machine implementation guide* based on examples of Rockwell Power programming and a Meurer template for Schneider Electric.

Finally get information about OPC UA and how Meurer uses it as a communication channel between machines, HMI's and superordinate control systems.

Program 16th March



11:30 - 12:00

Equipment and machine supplier using PackML

Lee Smith, Mettler Toledo

Learn how Mettler Toledo has implemented PackML across its range of in-line product inspection solutions, including checkweighing, metal detection, x-ray inspection and vision inspection, providing an industry standard interface using a range of common industrial protocols such as EtherNet/IP, Profinet IO, Modbus TCP, OPC DA, and more recently, OPC UA.



12:00 - 12:30

PackML experiences

Magnus Möller, Automation manager, Norden Machinery

The presentation highlights how the PackML model is adapted and mapped to a machine. What have been the challenges from a technical point of view.
Be informed about the next step in the implementation of PackML.



12:30 - 13:00

End User Round table

Manged by Malte Schlüter, Arne Svendsen, Uwe Keiter Lee Smith and Carsten Nøkleby (All OMAC representatives)

Final discussion on the issues covered on the conference.

- Ask questions to the presentors – Why?, How? When?
- Summary of the conference

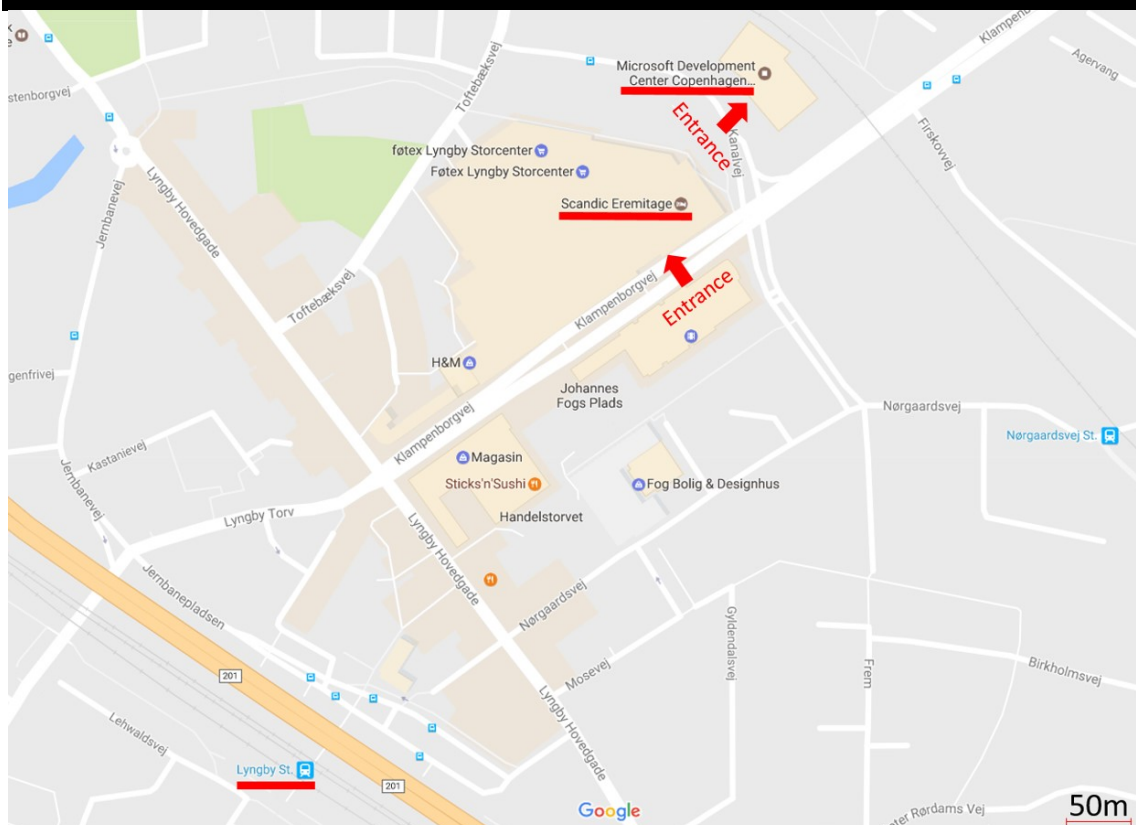


13:00 - 14:00

Lunch and exhibition

See the list of exhibitors at the back of the program

Information about the location of Microsoft and Hotel for dinner



HOTEL:

Scandic Hotel Eremitage,
Klampenborgvej 230,
Lyngby Storcenter,
2800 Kongens Lyngby
Denmark

CONFERENCE:

Microsoft,
Kanalvej 7,
2800 Kongens Lyngby,
Denmark

Registration: www.sesam-world.com/registration-omac

The presenting companies



The companies at the mini exhibition



General coordinator:

SESAM World • Denmark

Phone: (+45) 24 63 05 27 • info@sesam-world.com • www.sesam-world.com