

# Agenda



Meeting: SEAFOM – Fibre Optic Monitoring Group

Date: 9th and 10<sup>th</sup> April 2019

Venue: **Plaza Suite 4&5**, Victoria Park Plaza Hotel, Damrak 1-5, 1012 LG Amsterdam, The Netherlands  
Phone: +31 20 623 4255. Website: [www.parkplaza.com/Amsterdam/Victoria](http://www.parkplaza.com/Amsterdam/Victoria)

OTM Contact: Crispin Keanie / Sally Marriage, Tel: +44 1372 631950. Email: [crispin.keanie@otmconsulting.com](mailto:crispin.keanie@otmconsulting.com) / [sally.marriage@otmconsulting.com](mailto:sally.marriage@otmconsulting.com)

Dinner: **House of Bols** cocktail experience and tour followed by dinner at Solo restaurant Paulus Potterstraat 14, 1071 CZ Amsterdam, Netherlands.  
Phone: +31 (0)20 57 08 575. Website: [www.houseofbols.com](http://www.houseofbols.com)

Monday, 8 <sup>th</sup> April 2019			
0	Steering Committee Pre-meeting (Plaza Suite 4)	SC and OTM	18.00
Tuesday, 9 <sup>th</sup> April 2019 – Day 1			
<b>Arrival with Tea &amp; Coffee</b>			<b>08.00</b>
1	Welcome and safety, objectives, agenda, meeting pack, SEAFOM documents, logistics, protocol	Crispin Keanie, OTM	08.30
2	Introduction from Steering Committee	Steering Committee	08.35
3	Visitor and first-time attendee introductions <ul style="list-style-type: none"> <li>o TechnipFMC</li> <li>o Optical Fiber Packaging</li> <li>o Sintela</li> </ul>		08.40
4	<b>Knowledge Sharing</b>		
	o Powering, Jointing, and Connecting Undersea Systems	Bob Thomas, SubCom	08.50
	o Lessons learned from a recent DAS VSP field trial in the Clair Field in the North Sea”, Sebastien Soulas, Ge Zhan, Mel Ball, Lee Saxton, and Michael Salt	Sebastien Soulas, BP	09.20
	o Brillouin has the potential to revolutionize distributed sensing market	Elena Beletkaia, EPIC	09.50
Tea / coffee break			<b>~10.20</b>
	o Title tbc	Alexis Constantinou, Schlumberger	11.00
	o Microseismic event identification in DAS data	Anna Stork, University of Bristol	11.30
5	<b>Working Groups - activity planned for this meeting</b> <ul style="list-style-type: none"> <li>o Downhole Connectors (TSD-03) / Umbilicals &amp; Terminations</li> <li>o Fiber Optic System Design Manual</li> <li>o Leak Detection Performance</li> </ul>	<ul style="list-style-type: none"> <li>o Steve Thumbbeck/ Ametek</li> <li>o OTM / Operators</li> <li>o OTM / AP Sensing</li> </ul>	12.00
<b>Lunch</b>			<b>12.30</b>
6	<b>Parallel Working Groups Meeting Sessions</b> <ul style="list-style-type: none"> <li>o Downhole Connectors (TSD-03) / TSD-01 Review /Umbilicals &amp; Terminations</li> <li>o Leak Detection Performance</li> <li>o Fiber Optic System Design Manual</li> </ul>	<b>Meeting Rooms/Location:</b> <ul style="list-style-type: none"> <li>o Plaza Suite 4&amp;5</li> <li>o Plaza Suite 1</li> <li>o Plaza Suite 2</li> </ul>	13.30
<b>Tea / Coffee – flexible session</b>			<b>15.00</b>
7	Working Groups Parallel Meeting Sessions Contd.		15.30
8	Meeting close Day 1		16.30
9	<b>Meet in hotel reception</b>		18.00
10	<b>Tour of House of Bols followed by dinner at Solo restaurant</b>		18.30

# Agenda



Wednesday, 10 <sup>th</sup> April 2019 - Day 2			
<b>Arrival with Tea &amp; Coffee in Main Meeting Room</b>			<b>08.30</b>
<b>Head to Working Group Break-out Rooms</b>			<b>09.00</b>
1	<b>Parallel Working Groups Meeting Sessions</b> <ul style="list-style-type: none"> <li>○ Umbilicals &amp; Terminations</li> <li>○ Leak Detection Performance</li> <li>○ Fiber Optic System Design Manual</li> </ul>	<b>Meeting Rooms/Location:</b> <ul style="list-style-type: none"> <li>○ Plaza Suite 4&amp;5</li> <li>○ Plaza Suite 1</li> <li>○ Plaza Suite 2</li> </ul>	09.00
<b>Tea / coffee break</b>			<b>~11.00</b>
2	<b>Knowledge Sharing</b>		
	<ul style="list-style-type: none"> <li>○ DAS system testing results according the SEAFOM document – DAS Parameter Definitions and Tests (SEAFOM-MSP-02)</li> <li>○ Fiber Optic Data Flow Considerations on Johan Sverdrup</li> </ul>	Rob Jansen, TNO Maximilian Georg Schuberth, Equinor	11.30 12.00
<b>Lunch</b>			12.30
	<ul style="list-style-type: none"> <li>○ Sercel DeRegt DAS Acquisition Solutions</li> </ul>	Maurice Corveleijn, DeRegt Cables	13.45
3	<ul style="list-style-type: none"> <li>○ Primer overview and discussion</li> </ul>	OTM + Steering Committee	14.15
4	<b>Working Groups – Activity Feedback Session</b> <ul style="list-style-type: none"> <li>○ Update from each WG Leader on progress and future plans</li> </ul>	Working Group Leaders	14.45
5	Steering Committee closing remarks	Steering Committee	14.50
<b>Meeting close and tea/ coffee</b>			<b>15.00</b>
SEAFOM Steering Committee Debrief		Steering Committee & OTM	15.00 – 15.15

## Working Group Summary

Working Group / Leaders	Working Group objective	Achieved in last meeting	Plan for upcoming meeting
<b>1. Downhole connectors – TSD-03 (Functional Design and Test Specification for Downhole Electrical and Optical Connectors and Assemblies for in-well sensing applications)</b>			
Ametek	Issue new TSD-03 Downhole Connectors standard	Reviewed TSD-03 for final editing	Review any inputs on draft
<b>2. Feedthrough System – TSD-01 (Functional Design and Test Requirements for an Optical Feedthrough System used in Subsea Xmas Tree Installations)</b>			
Teledyne & Ametek	Update existing TSD-01 Feedthrough System standard based on experience of using the document	Reviewed TSD-01 and developed list of items to be discussed	Review drafting suggestions Review Feedthrough Specifications Review Operator feedback
<b>3. Umbilicals &amp; terminations – TSD-04</b>			
Group forming, supported by Ametek	New SEAFOM RP as an update/addition for API 17E (ISO13628-5 – Section 8)	Initial review of API 17E with list of areas that could be covered  Gather additional information prior to next meeting	Review information requests  Work through areas to flesh out topics for RP  Discuss areas such as what is happening at bitter end of cables/Umbilical at Pressure/Temperature/load
<b>4. Operator manual</b>			
Shell / BP / Weatherford	Create a step by step guideline that supports operators executing FO downhole projects (complementing primer)	Further definition of the content and format that is required.  Created request for information from SEAFOM group	Take inputs from ahead of the meeting, review and add to  Start to create draft of document and set actions for next steps
<b>5. Pipeline leak detection</b>			
Group forming, supported by Chevron, AP Sensing	Support the uptake of Fibre Optics for pipeline leak detection – broad range of issues that could be addressed	Outline charter developed covering range of issues & potential RPs  Pre-work to be covered before next meeting	Review charter, pre-work and select areas to work into a detailed plan

**SEAFOM MSP-02 – “Measuring Sensor Performance – DAS Parameter Definitions and Tests”** was published in August 2018.

This document was written by and on the initiative of the SEAFOM Measurement Specification Working Group. It is targeted specifically for “Distributed Acoustic Sensing” (DAS).

All published SEAFOM documents can be viewed / downloaded from the “**Published Documents**” section of the SEAFOM website.

## Map & Directions

