



International Marine Contractors Association
Improving performance in the marine contracting industry

Europe & Africa regional webinar

“Vessel compliance in the current and post COVID-19 world”

Date: 1 December 2020 starting at 1000hrs GMT

There will be opportunity for Q&A at the end of the presentations – please submit questions at any time under the Q&A section on your screen



Welcome

- This is a webinar
- The sound works one way only
 - from presenters to you
- Written questions are encouraged
 - Q&A box is monitored
- Today's Speakers and Members of the Europe & Africa Committee will be on the line to answer questions
- We hope to resume face to face meetings when possible
- A recording of today's webinar will be shared with you
- Competition Law



Upcoming webinars



3 December

North America Committee

American Wind Energy
Association, Hughes Subsea

8 December

Europe & Africa Committee

Alternative fuels for the energy
transition

9 December

Asia Pacific Committee

Seabed 2030, Diving DESIGN,
CPD

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Your moderators today



Nick Hough

IMCA

Technical Adviser

Nick Hough

- Nick supports the work of IMCA's Health, Safety, Security & Environment (HSSE) Committee and the Offshore Survey Committee
- Prior to joining IMCA in January 2005, Nick had a career in offshore seismic survey



Andre Rose

IMCA

Technical Adviser/
Europe & Africa
Committee

Andre Rose

- Andre served in the Royal Navy, as an aircraft engineer, before becoming a technical trainer to both the Royal Air Force of Oman and Royal Saudi Air Force.
- He has worked offshore, in various roles with ROV's before joining IMCA in 2018. He has also worked as a contract technical author.



IMCA Europe & Africa Region Committee



TechnipFMC



BUREAU
VERITAS

Europe and Africa Region Committee



Paweł Panka,
TechnipFMC



Rolf Rossland,
NUI



Eva Peño,
Bureau Veritas



Cynthia Lopes,
Simwave



Michael Stothard,
Saipem



Ekkehard Stade,
Global Maritime



Derek Leiper,
Vroon Offshore



Chidi Nwachukwu,
GMT Energy Res

Audit and confidence in the new era?



- How do companies comply with audit requirements in the new world?
- There is no "return to normal"
 - Some of the recent changes to technology and practice will be permanent
- Coronavirus itself is not the primary issue
 - Coronavirus is *not only a vector of disease* but also a vector of technological and cultural change
 - Technical change is the issue



Guest speakers



Eva Peño

**Global Market
Leader OSV &
Tugs**

Bureau Veritas

- 10 minutes



Stephen Keenan
**Deputy Director,
Inspections &
Surveys
Department**

*Bahamas Marine
Authority*

- 10 minutes



Stephen Birt
**Fleet Assurance
Manager**

Technip FMC

- 10 minutes



Olav Eftedal
**Lead
Physician**

Equinor

- 10 minutes





Eva Peño

Bureau Veritas

Eva Peño - Global Market Leader OSV & Tugs

- Eva is the Global Market Leader for offshore service vessels (OSV) and tugs at Bureau Veritas.
- As a member of the commercial department team of the Paris headquartered classification society, she is leading the international business development activities, driving the implementation of the key account strategy and steering the development of new services and standards as well as supporting the sustainability initiatives within Bureau Veritas
- Eva joined Bureau Veritas in 2001 after obtaining a degree from the Escuela Politécnica in Madrid and has since held various technical and project management positions in Madrid and Paris.



FOCUSED ON OUR CLIENTS DRIVEN BY SOCIETY



BUREAU
VERITAS





Stephen Keenan

Bahamas Marine Authority

Stephen Keenan - Deputy Director, Inspections & Surveys Department

- Stephen Keenan is head of the Inspections & Surveys department of the Bahamas Maritime Authority (BMA), a position he has held since November 2011 having been with the BMA since January 2009. Mr Keenan completed a three-year marine engineer officer cadetship at South Tyneside College in 1991 and subsequently became a seagoing Engineer Officer on a number of different vessel types, culminating as Chief Engineer Officer.
- In 2000 Mr Keenan moved into ship management, becoming an engineering superintendent. He has seagoing and superintendency experience of a number of vessel types. including tankers and various offshore vessels.
- Stephen is a member of the Institute of Marine Engineering, Science & Technology and the Royal Institution of Naval Architects.
- The Bahamas is a leading registry for offshore vessels, with about 200 offshore vessels of various types and more than 50 FPSOs registered.





Presented by

Stephen Keenan

Deputy Director - Inspections & Surveys

Compliance before, during and after
COVID-19:
a flag State view

Progress, Honour, Service
**Quality and
excellence are
in our BMA**



1500
Bahamas
Registered
Vessels



65 Million
Gross Tons
Registered
4.4% of the world's
ocean going fleet based
on tonnage

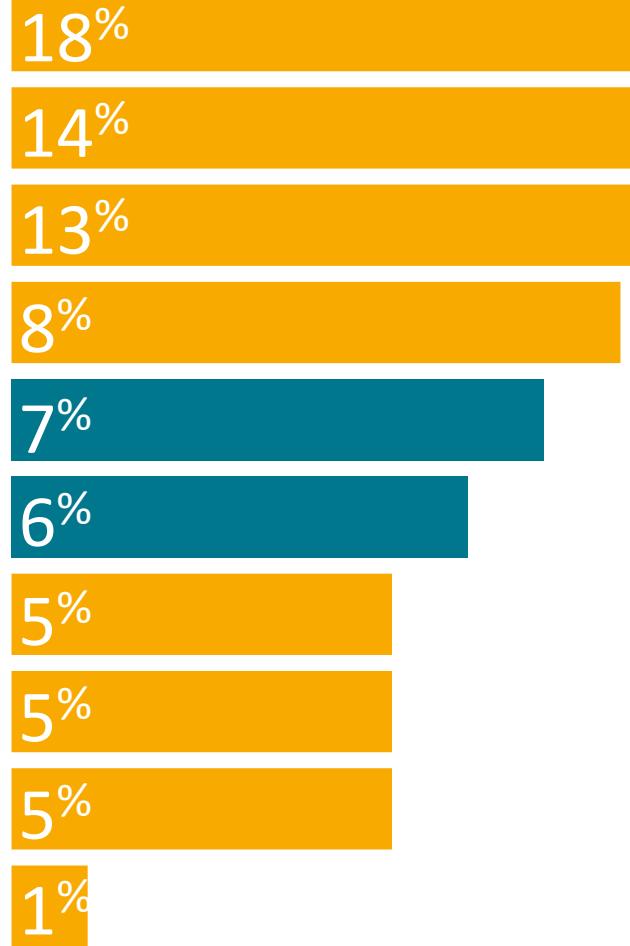


Global
Support
Services



Qualship 21
Whitelist and Low
Risk Flag Status
in Paris, Tokyo MoU

The Bahamas Fleet



The Bahamas' Register has a broad-based portfolio of ship types and an in-depth understanding of their particular needs.

Global operations

Our worldwide network of inspectors, auditors, engineers, surveyors and operational support staff are located around the world to assist Bahamas registered vessels 24 hours a day, 365 days a year.





Before COVID-19



Surveys: RO surveyor onboard

Audits: RO auditor onboard/in office

MLC: RO MLC inspector onboard

Flag inspections: Bahamas ANI onboard

BUT:

Some remote attendances already taking place (e.g.

IWS, drones, RAT, photographic evidence, service
reports etc.)



During COVID-19



During COVID-19

- ▶ Onboard attendance not possible
- ▶ BMA Tech Alert 20-03

Surveys:

Remote accepted where practicable.

Force majeure?

Audits:

Remote accepted where practicable for internal and external audits (ship/office)



MLC:

Remote accepted where practicable

Flag inspections:

Trials of remote inspections and
self-assessment by ship staff

Other surveys:

e.g. IHM





After COVID-19



- ▶ Onboard attendance usually possible
- ▶ Will we go back to pre-COVID arrangements?
- ▶ Hybrid arrangement; partial remote?



Considerations:

- ▶ What can be done remotely (live streamed)?
- ▶ What can be done remotely (video/photographic/documentary evidence/self-assessment)?
- ▶ What can't be done remotely?
- ▶ Qualifying criteria for Company/ship?



What can't be done remotely?

- ▶ Initial/Renewal surveys?
- ▶ Damage surveys?
- ▶ PSC follow up?
- ▶ Fire drills, boat drills, etc.?
- ▶ Where a surveyor is required to witness tests etc.?

BMA Marine Notice 96 will attempt to address!



Thank you
for your attention

The **Bahamas**
Maritime Authority

Contacts

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Stephen Birt

TechnipFMC

Stephen Birt - Fleet Assurance Manager

- Stephen is Fleet Assurance Manager for TechnipFMC's owned and chartered vessel fleet of DSVs, Pipelay, Construction and supporting vessels.
- A former Deck Officer in the Merchant Navy, Stephen came ashore in 2006.



Vessel Compliance overview

Vessel Compliance

Flag State

Marine Assurance
– own company
standard

Class

Marine Assurance
– Client
requirement

Planned
Maintenance

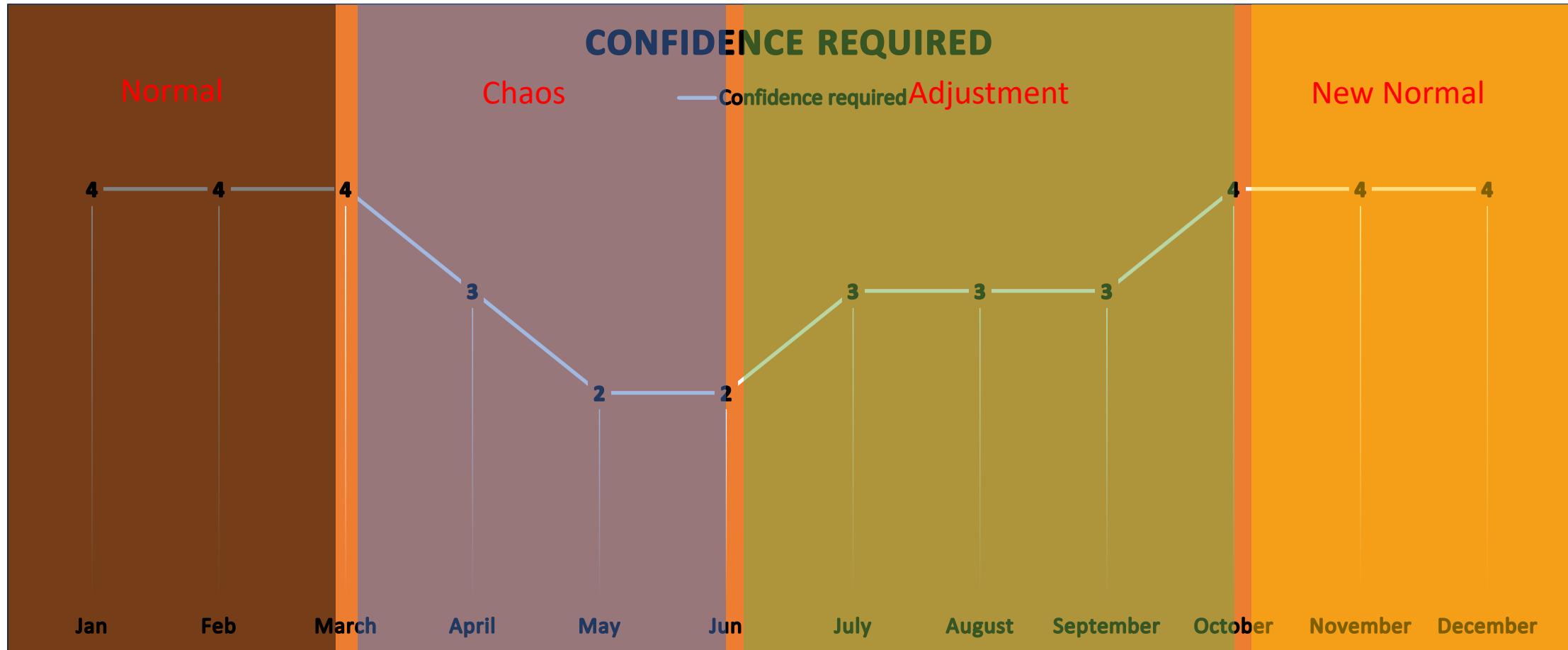
Marine Assurance

A positive declaration intended to give confidence in the safety, integrity and stated capability of marine assets and systems.

Can in theory be delivered in anyway and certainly remotely through desktop review – because the process depends upon the level of confidence required....

The key variable is that level of confidence

Level of confidence required during COVID



Q2 2021 and onwards?

- Focus on mixed format assessment of assets
- Some more remote – driven by digital adaptation
- High risk and value areas always best to seen by an expert at the worksite
- The level of confidence required remains the variable....



Olav Eftedal

Equinor

Olav Eftedal - Lead Physician

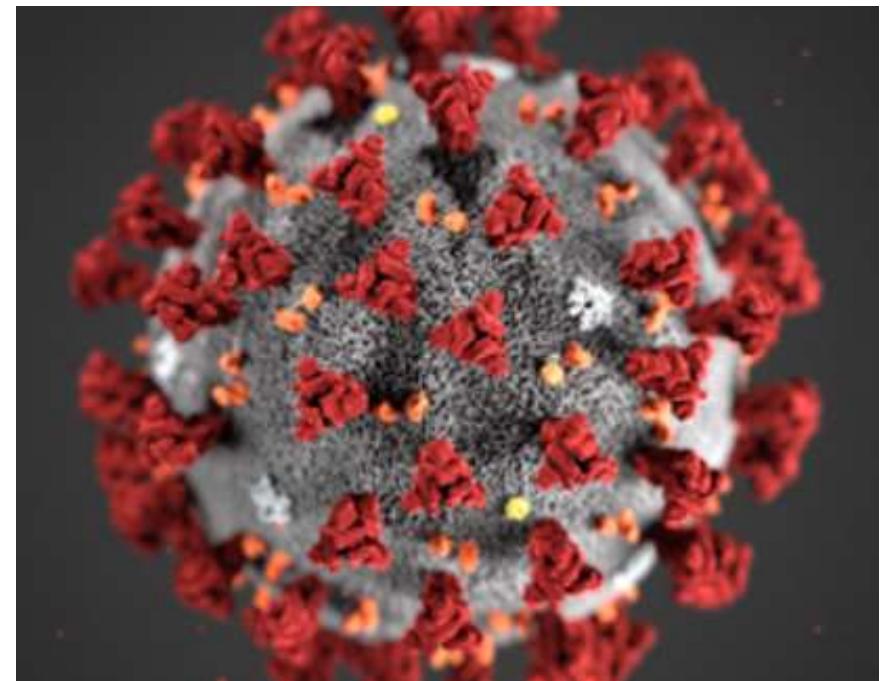
- Olav Sande Eftedal has been employed by Equinor, formerly Statoil, as Leading Physician since 2008, with a special responsibility for diving operations.
- Previously, he has worked as occupational physician for SINTEF and research scientist at the Norwegian University of Science and Technology.
- He holds a master degree in Engineering Cybernetics from the Norwegian institute of Technology, and studied medicine at the University of Trondheim. He has a PhD in neuroscience and is a recognised specialist in occupational medicine.
- He has since 2016 held the position as chairman for the Diving Medical Advisory Committee.



COVID-19 – Approaching the end game?

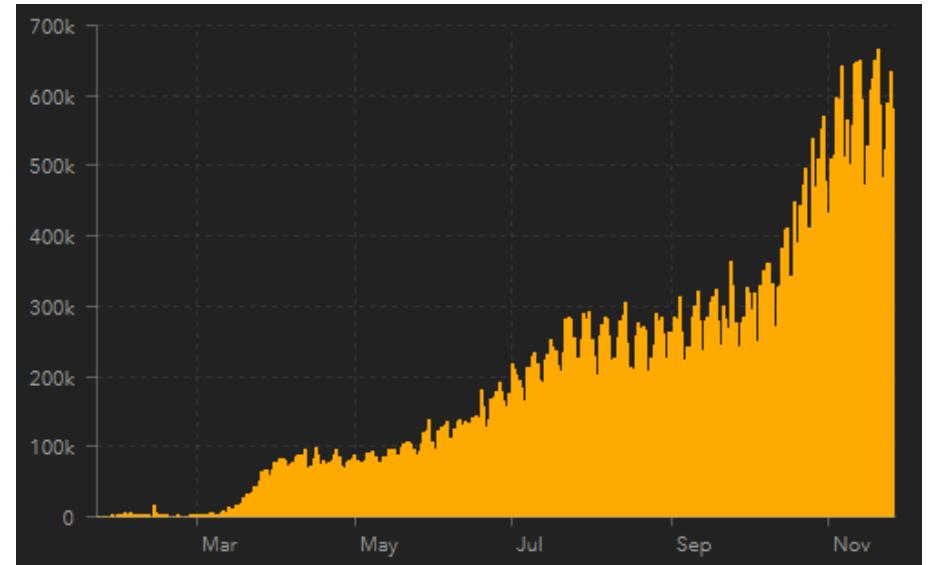
The Pandemic from an Offshore Oil&Gas Operator Perspective

Dr Olav Sande Eftedal, MD, MSc, PhD
Leading Physician, Equinor

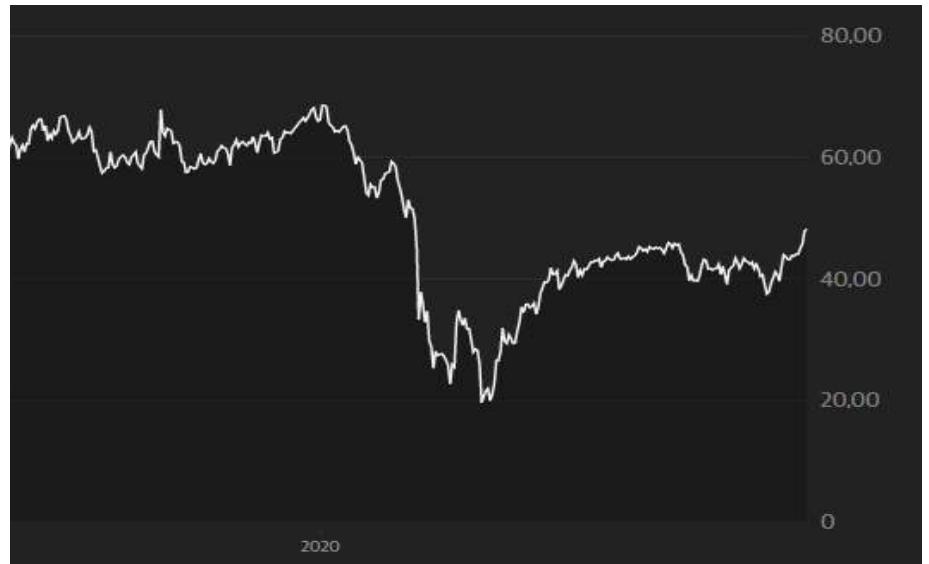


COVID-19, current status

- More than 60 million cases confirmed world wide
- 1.5 million dead



- Impact on the oil&gas industry:
 - Operational consequences for offshore petroleum activities
 - Reduction in demand and prices



Drivers potentially affecting the (impact of the) pandemic

- Drugs/treatment
- Testing
- Immunity
- Vaccine



Treatment

- (Hydroxy-) Chloroquine
- Dexamethasone
- Remdesivir
- Monoclonal antibodies
- We do **not** believe that advances in pharmaceutical treatment will affect the timeline to the end of the pandemic



- PCR

- «Gold standard» for testing
- Can detect very small amounts of virus RNA in throat/nose swabs
- High accuracy for diagnostic purposes in first days of illness
- Lower accuracy when used for screening of asymptomatic persons
- Relatively expensive, limited availability, time-consuming

- Antibody testing

- Low cost and rapid method for detection of immune-response in capillary blood samples
- Low accuracy, **not suited for diagnosis or screening purposes**

- Antigen testing

- Cheap and rapid method for detection of virus RNA in throat/nose swabs
- Lower accuracy than RT-PCR, particularly for screening purposes
- Should be considered a weak barrier when used for screening



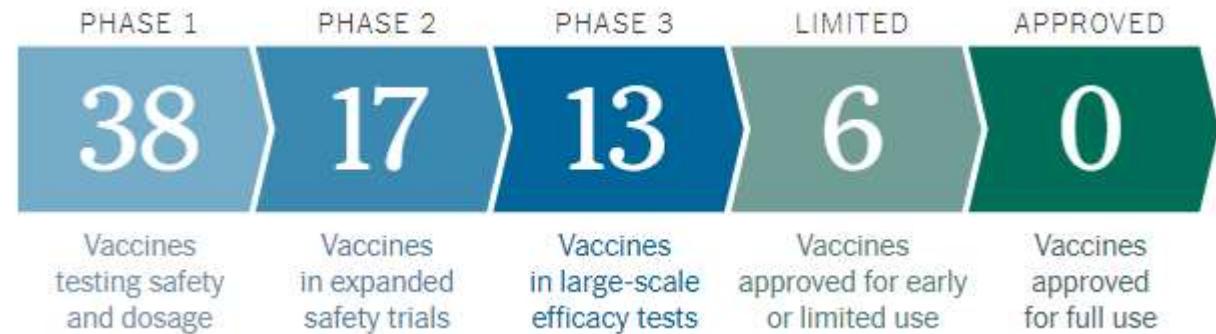
Immunity

- When a sufficient proportion of the population has acquired immunity, the pandemic will slow down and stop («herd immunity»)
- It is estimated that this requires immunity in 70-80% of the population
- Immunity can be acquired through infection or vaccine
- There are considerable geographical variations in post-infection immunity
- The duration of immunity against Covid-19 is not known



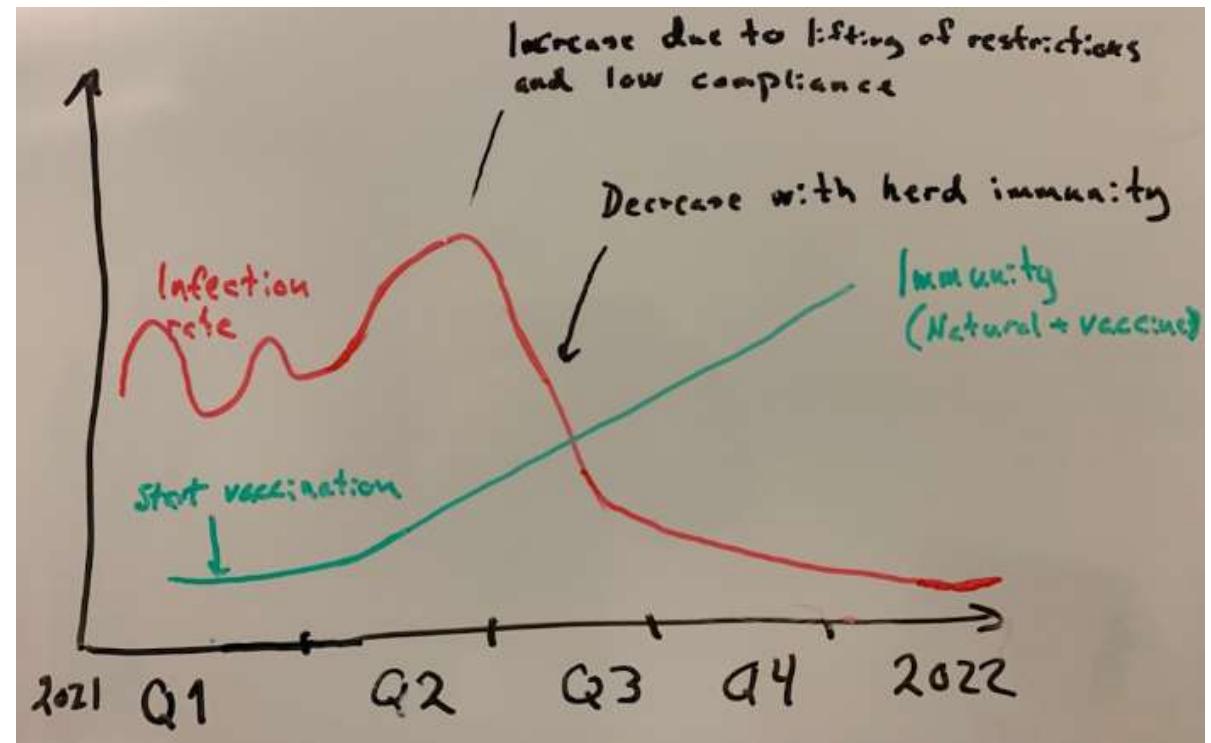
Vaccines

- 74 vaccine candidates are currently being tested clinically
- 3 vaccine candidates are in the process of applying for approval in EU and US
- Encouraging results from phase 3 testing, with approximately 90% efficacy and few side effects observed
- Vaccination will probably start Q1 2021, with priority to people in high risk groups (age, comorbidity) and health care workers
- We believe mass vaccination of the general population will commence in Q2, but with geographical variations



Potential scenario for 2021

- Once vaccination starts it will be difficult for authorities to maintain necessary restrictions from political and economical reasons
- Reduced public compliance to restrictions can be expected
- This may lead to a temporary, paradoxical increase in infection rate
- This increase will eventually be countered by the increasing immunity in the population
- The potential for a temporary increase calls for prolonged/strengthened preventive and mitigating measures for the offshore industry, e.g. need for testing, use of quarantine etc.



The unknowns

- Long term side effects?
- Vaccine resistance?
- Duration of vaccine immunity?
- Mutations in the virus genome?
- Effect of vaccine in different (age) groups?



Covid-19; the end game

- It is likely that vaccination for Covid-19 starts in Q1 2021, and this is probably the «beginning of the end» of the pandemic
- There is still time for 2-3 more waves of infection before we see a significant effect of vaccination on the general population
- The start of vaccination may in itself initiate a wave due to lifting of government restrictions and lower public compliance
- It is important to maintain preventive measures, test capacity and contingency plans for potential outbreaks until immunity in the population is sufficient (>70-80%) **AND** we see a significant and lasting reduction number of cases
- The post-pandemic «normal» (from 2022?): The vaccine will not eradicate the virus, but the risk for the general population will be low and the virus will not cause severe strain on health care systems

COVID-19 – Approaching the end game?

Dr Olav Sande Eftedal,
Leading Physician

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Question and Answer Session



Today's speakers and panellists



Eva Peño
Bureau Veritas



Stephen Keenan
Bahamas Marine
Authority



Stephen Birt
Technip FMC



Olav Eftedal
Equinor



Nick Hough
IMCA



Andre Rose
IMCA

Thank You

- **Thank you** to today's speakers, panellists and Committee
- **Thank you** for your attention
- A recording will be available shortly
- Please complete our short feedback survey

