



EXPERIENCE THE EXCEPTIONAL



DRY GAS SEALS and SYSTEMS

2019 | 2020



# AESSEAL MIDDLE EAST FZE

## Dubai, UAE



### **ABOUT THE PRESENTER :**

#### **Dr. Chris Carmody AESSEAL Plc PhD, MSc BEng (Hons)**

Chris started his career as a maintenance engineer in the chemical and process industry, and joined AESSEAL as the Company's first full time mechanical seal designer and development engineer. Chris went on to academia for a bachelor's degree, a master of science in structural integrity and doctoral degree on the fluid structure interaction of bio prosthetic heart valves. He re-joined industry as a consulting engineer and worked on many prestigious projects such as the A380 Airbus, the award winning Falkirk wheel and the new Wembley stadium. Chris returned to AESSEAL and took up the position of special products manager where he is responsible for development of high integrity sealing projects including dry gas seals. He now has 25 years of experience in the design of mechanical seals and maintenance products and is a named inventor on many of AESSEAL product designs. In addition to his responsibilities at AESSEAL he also sits on several different bodies including the API692 Compressor Dry Gas Seal Committee and has lectured all over the world on sealing, maintenance and reliability matters. Courses conducted by our Dr Chris Carmody can earn attendees valuable continued professional development (CPD) points.

On-site training will always be available for our customers. These courses shall be conducted by our local Reliability Specialists, and like the formal training, shall contain no commercial or marketing content.

### **Who should attend**

Whether new to this field or a seasoned professional looking to refresh their knowledge, this course is designed to give a practical insight into improved plant reliability. The course is suitable for plant operators, maintenance personnel, purchasing personnel and Engineers.

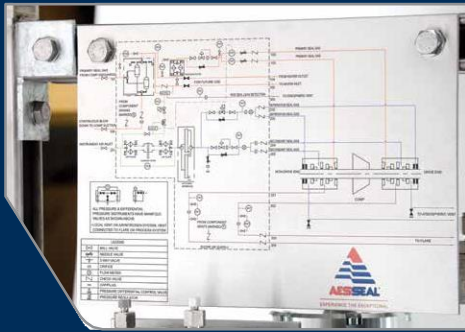


# Course Content

Availability of the trainers and package prices are subject to confirmation.

## Practical Session

- DGS Fitting Background
- DGS Fitting Methods
- Shim Setting considerations



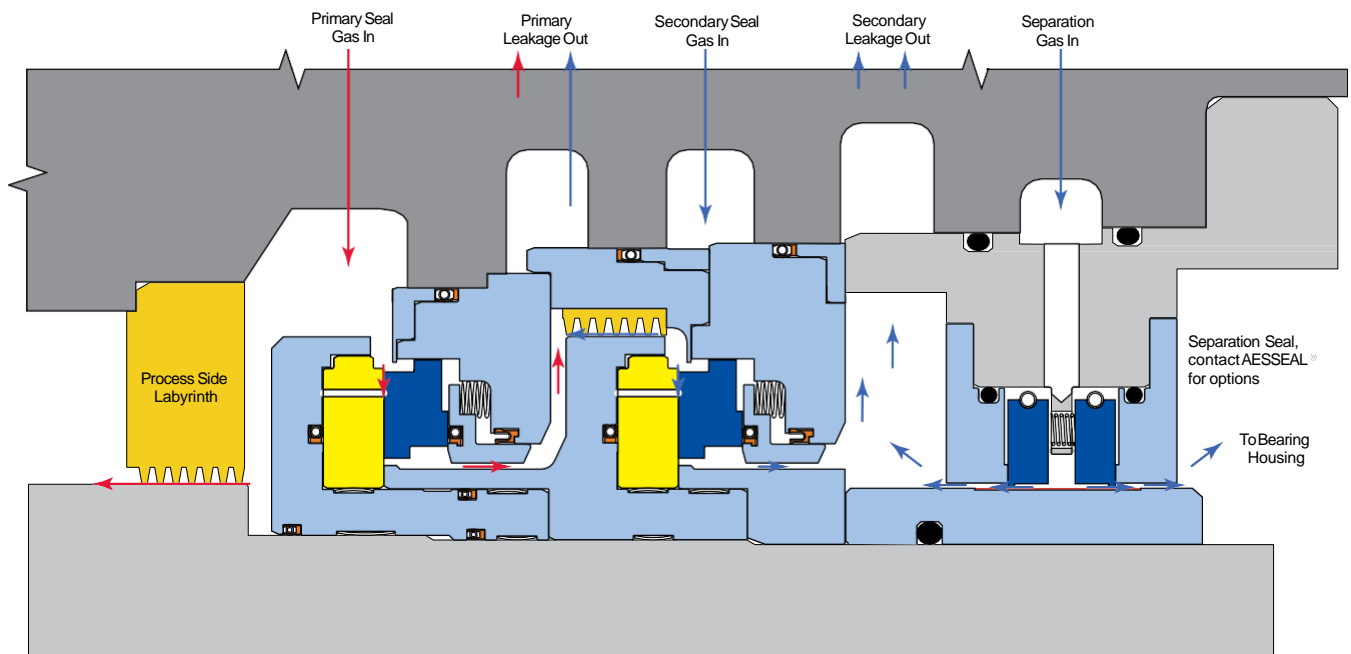
Colour coded P&ID for ease of identification

## Theory Session

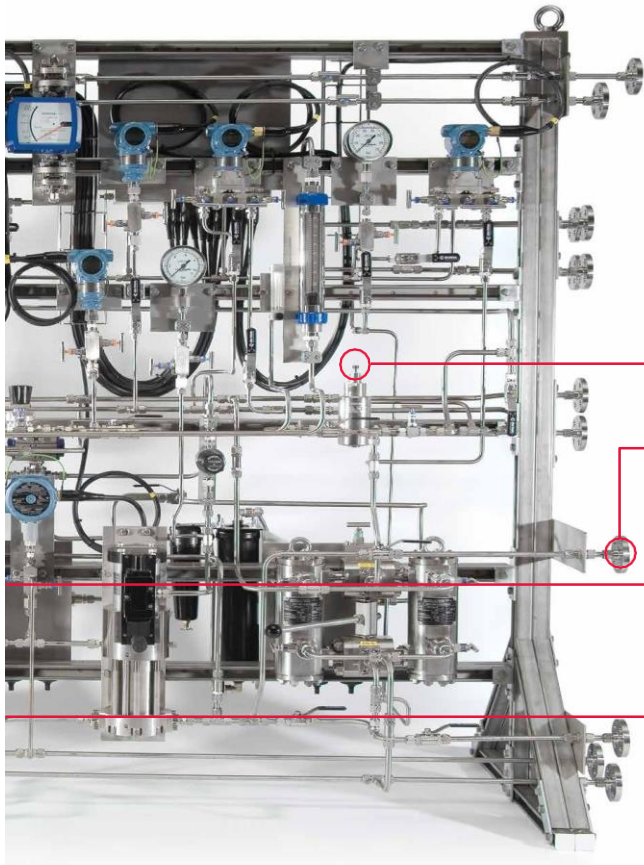
- DGS Seal Basics
- Tertiary Seals
- Materials
- Compressor Basics
- DGS Testing - Site and Factory
- Retrofits
- New Seals Presentation tuition
- System Requirements and Components
- Alarm and Trip Issues
- DGS GAD Systems P&ID's
- API 692
- Phase Diagrams and Gas Conditioning
- Troubleshooting (Systems and Seals)



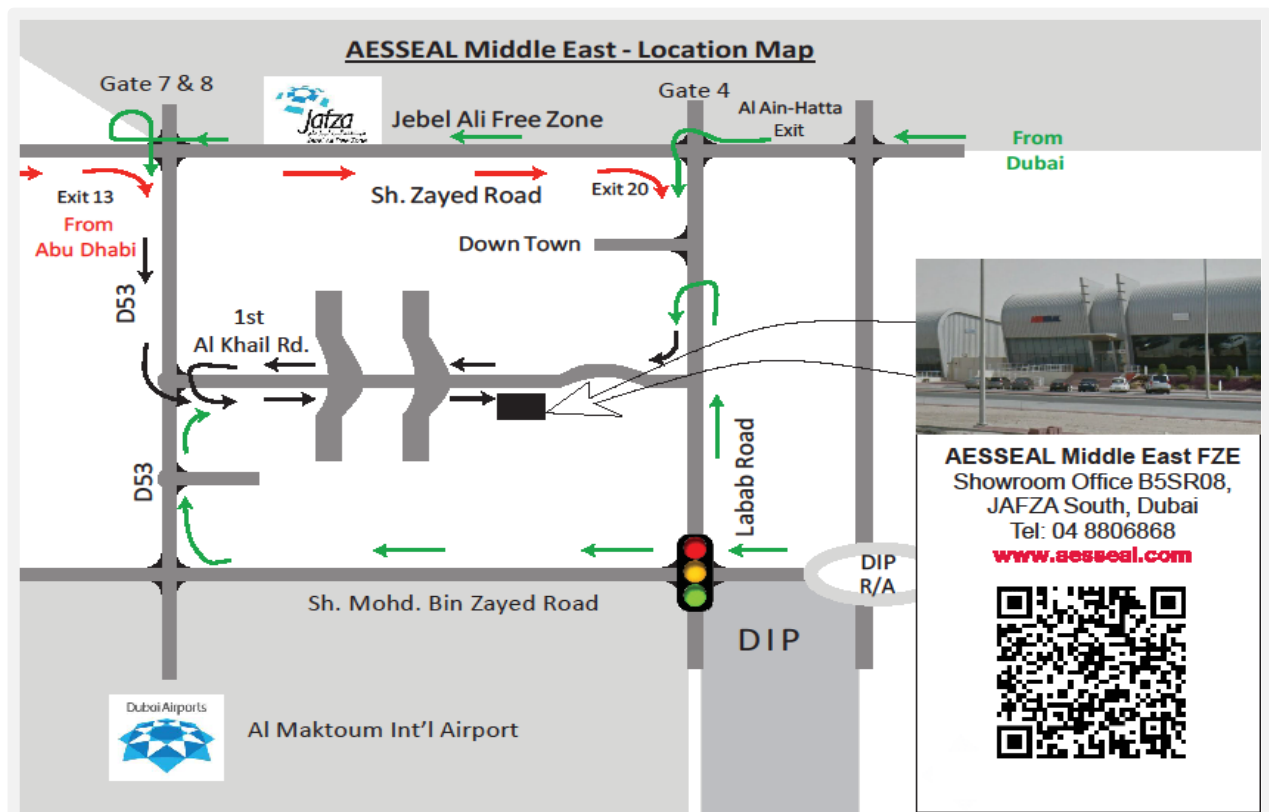
User friendly operation with gauges at eye level and accessible instruments and controls



Gas flow path schematic - Tandem seal with intermediate labyrinth and separation seal



- Compliance with pressure equipment directive PED 97/23 EC
- Modular technology means a streamlined ordering process
- Zero clearance fittings on all control valves
- Connections available for additional gas conditioning
- Nitrogen generation system can be engineered for any application
- Patent pending TriStage™ prefiltration system



If you have any questions or want to know more information please contact us.

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**AESSEAL MIDDLE EAST FZE**

Showroom B5SR08, Jebel Ali Free Zone South 3, Jebel Ali - Dubai.