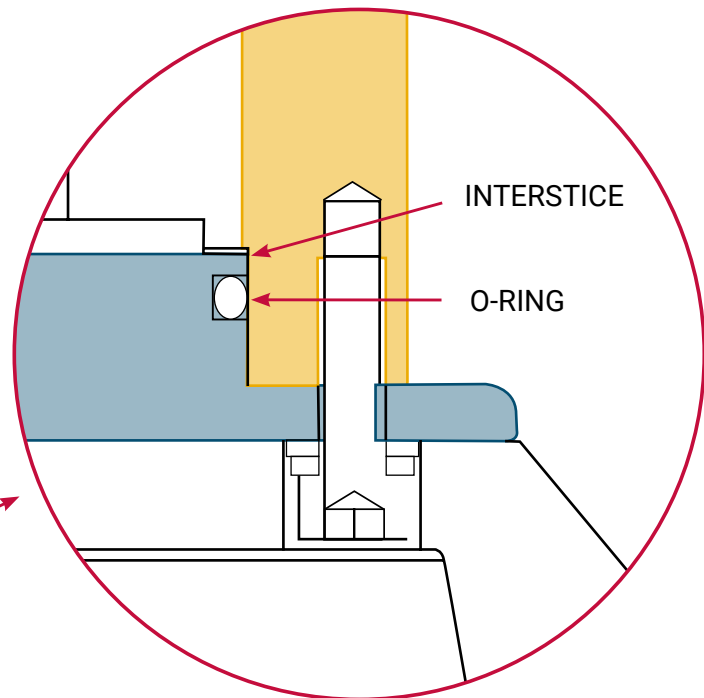




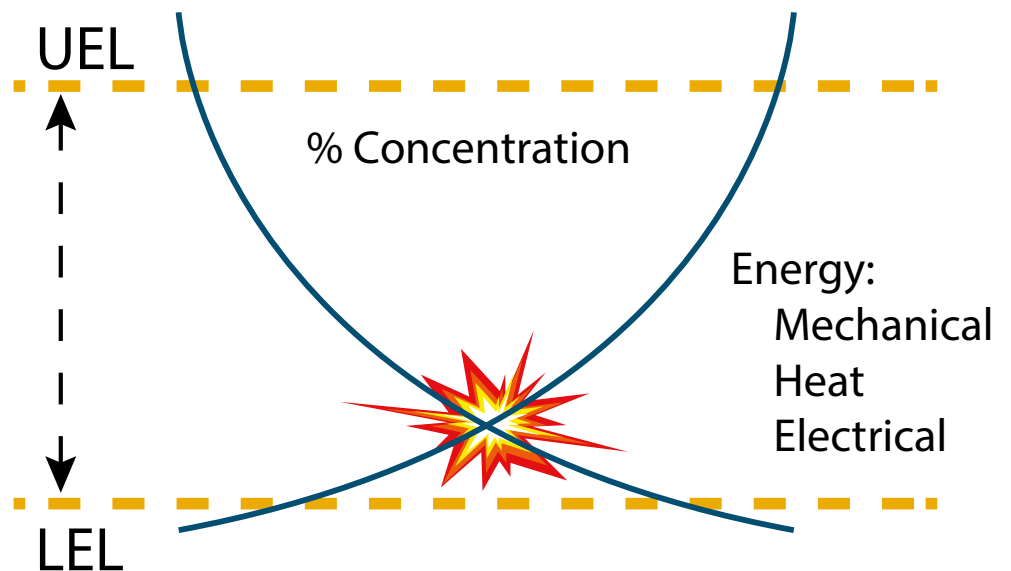
GAS GROUP

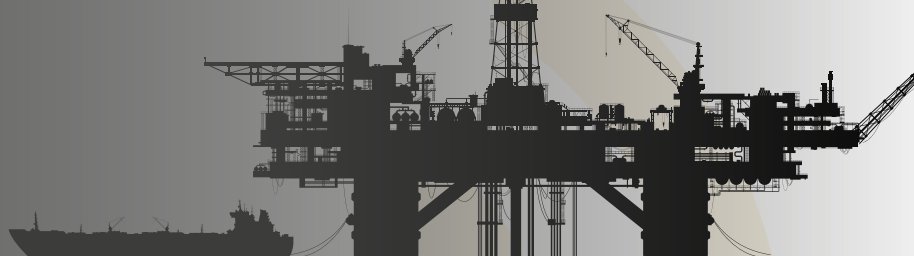
The gases which form an explosive atmosphere can be classified into 4 main groups, which are classified according to their two main characteristics:

IEMS: Interstitial characteristic of a given air/gas mixture, which extinguishes the flame of an explosion.



EMI: minimum energy that must be supplied to the explosive atmosphere to cause the explosion of the mixture.





EMI: minimum energy that must be supplied to the explosive atmosphere to cause the explosion of the mixture.

Depending on the group to which the ATEX equipment belongs, it will protect against one type of gas or another.

For mining: Gas group I

For surface industry: Gas groups IIA, IIB and IIC.

GROUP	REFERENCE GAS	IEMS (mm)	EMI (mJ)
I	Methane	1.14	0.28
IIA	Propane	0.92	0.25
IIB	Ethylene	0.65	0.07
IIC	Hydrogen	0.37	0.011

MSM has the equipment necessary for marking correctly all the offshore structures. MSM guarantees quality and durability in all its equipment. All AtoN equipment are available in msmoffshore.com