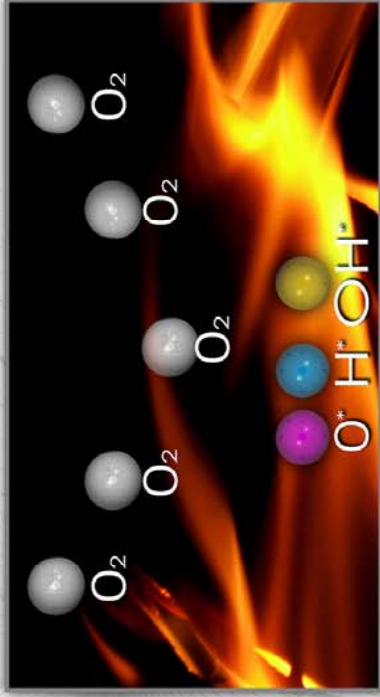


# The **FirePro**<sup>®</sup> Principle

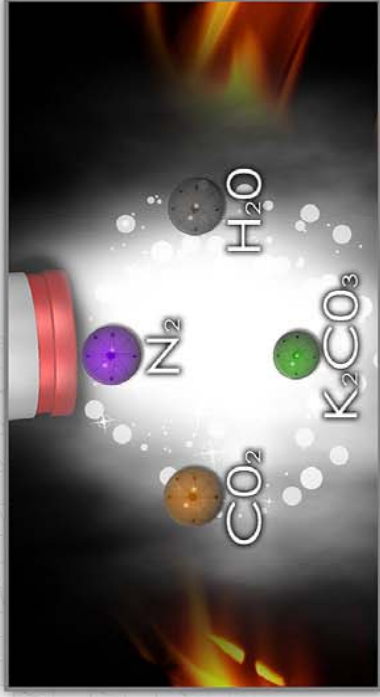
## FIRE

Formation of radicals ( $O^*$ ,  $H^*$ ,  $OH^*$ ) during the chemical chain reactions of fire.



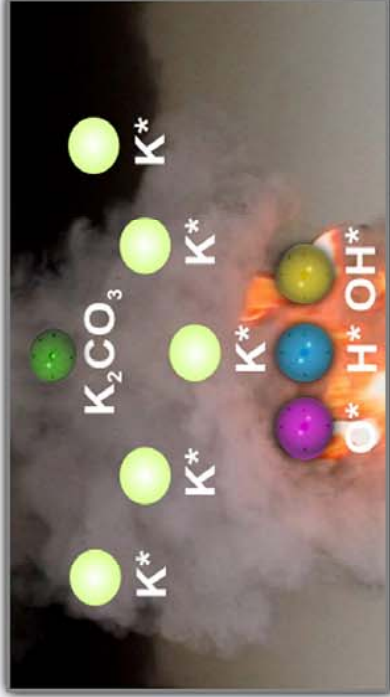
## AEROSOL PHASE I:

( before extinguishing process )  
Inert gases (  $N_2$ ,  $H_2O$ ,  $CO_2$  )  
carrying solid, micro-sized particles (  $K_2CO_3$  ).



## AEROSOL PHASE II:

( during extinguishing process )  
Formation of  $K^*$  radicals by  
the disassociation of  $K_2CO_3$ .



## FIRE IS EXTINGUISHED

Reactions between radicals lead to the formation of stable compounds (  $KOH$ ,  $K_2CO_3$  ).

