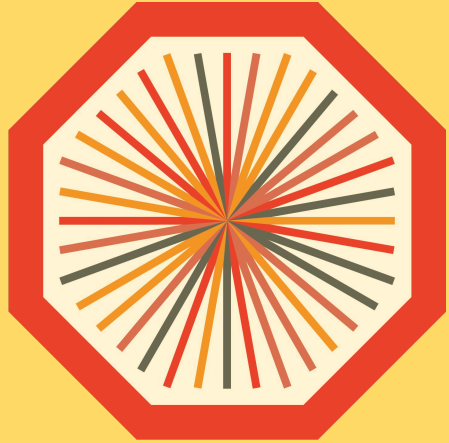


Flame Detector

Gr4

Vårin Vaskinn
Marcus Wethe
Lars-Arne Boge
Mathias Grønstad
Marthe Roel Løken

Anne-Elisabeth Brath
Jean Philip Svartdahl
Lina V. Tuddenham Haug
Henning Stenersen



ALICE

&

Prof.
Vladimir
Peskov

The flame detector

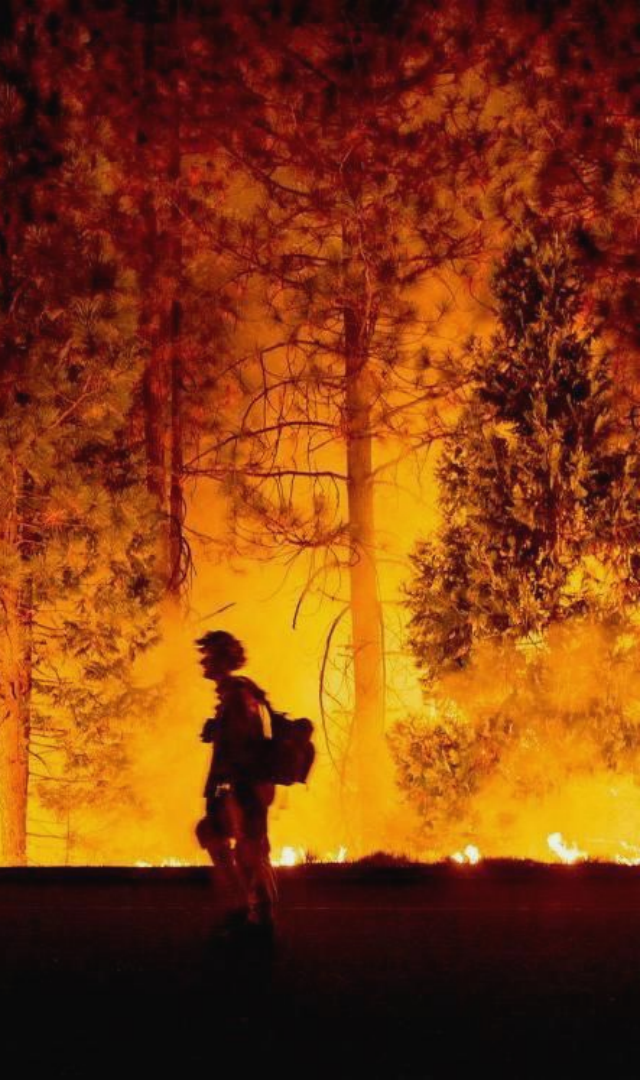


Sensitivity
Response time
Sunlight & false
positives
Versions





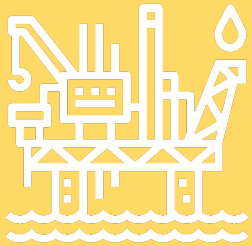
Selection of market







Value Chain



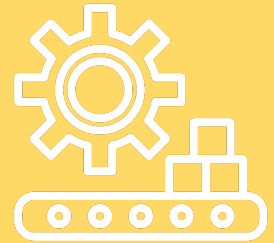
END USER



FIRE SAFETY
SYSTEM SUPPLIERS



SUBCONTRACTORS



PRODUCERS

Market findings



“We see a need for this flame detector based on feedback from our customers, that there is a need for new and better technology, within shipping, flame detection and submarines”

“The customer wants wireless sensors, but doesn’t buy them unless all of the sensors in a package are wireless. There is no wireless flame detector sensors available today. ”



Value propositions

Technology at hand outperforms existing solutions

- Sensitivity
- Response time

Create a wireless version of the sensor

Localization of flame

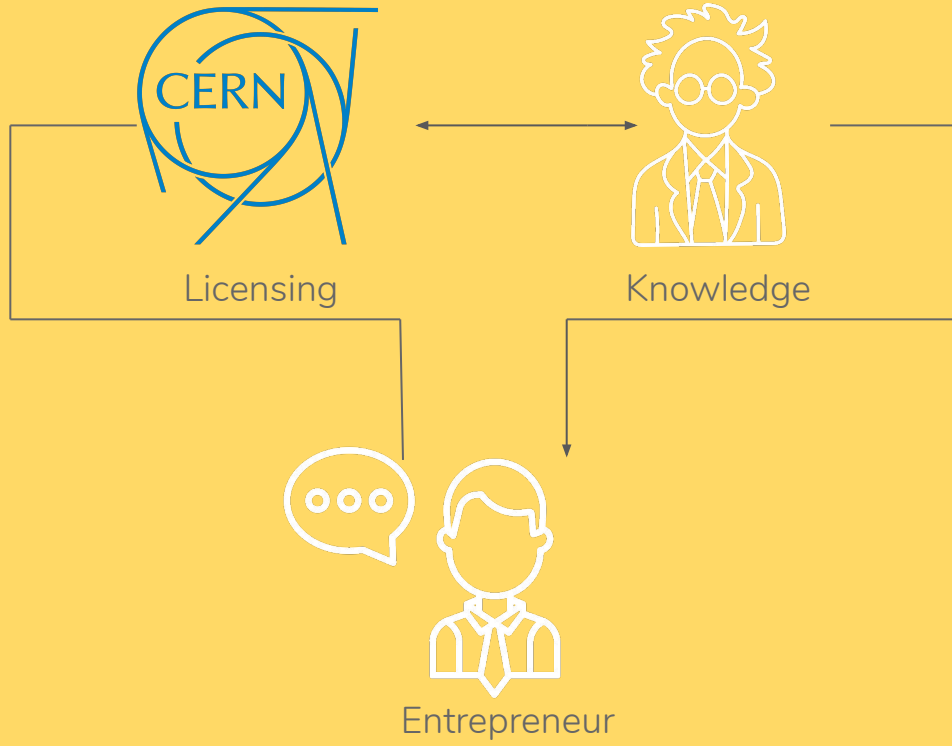


BUSINESS MODEL

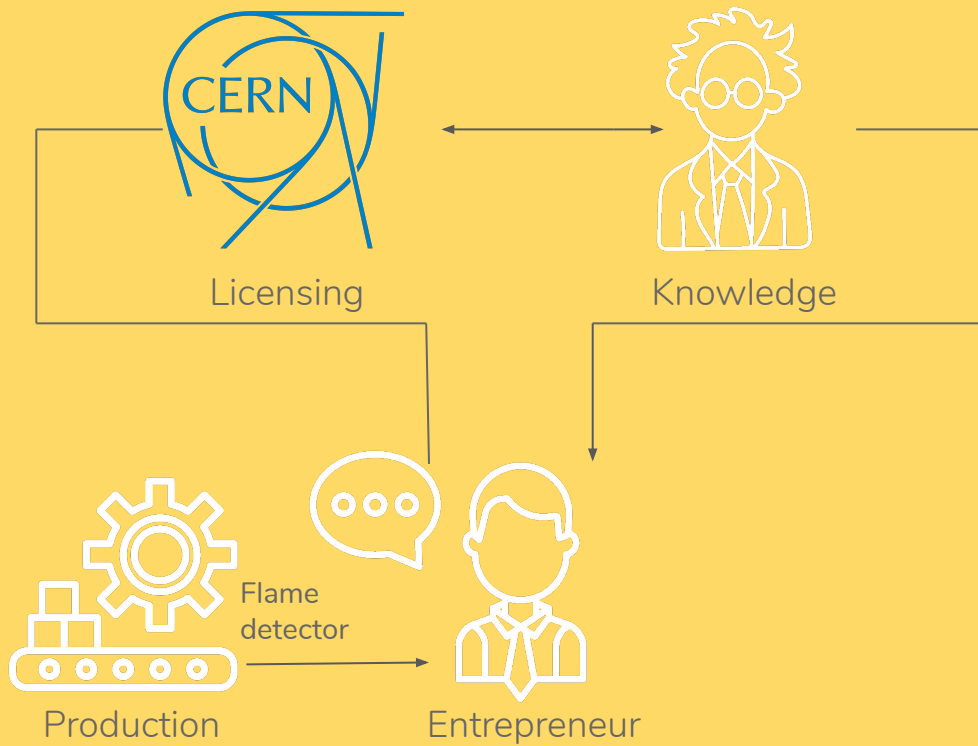


Entrepreneur

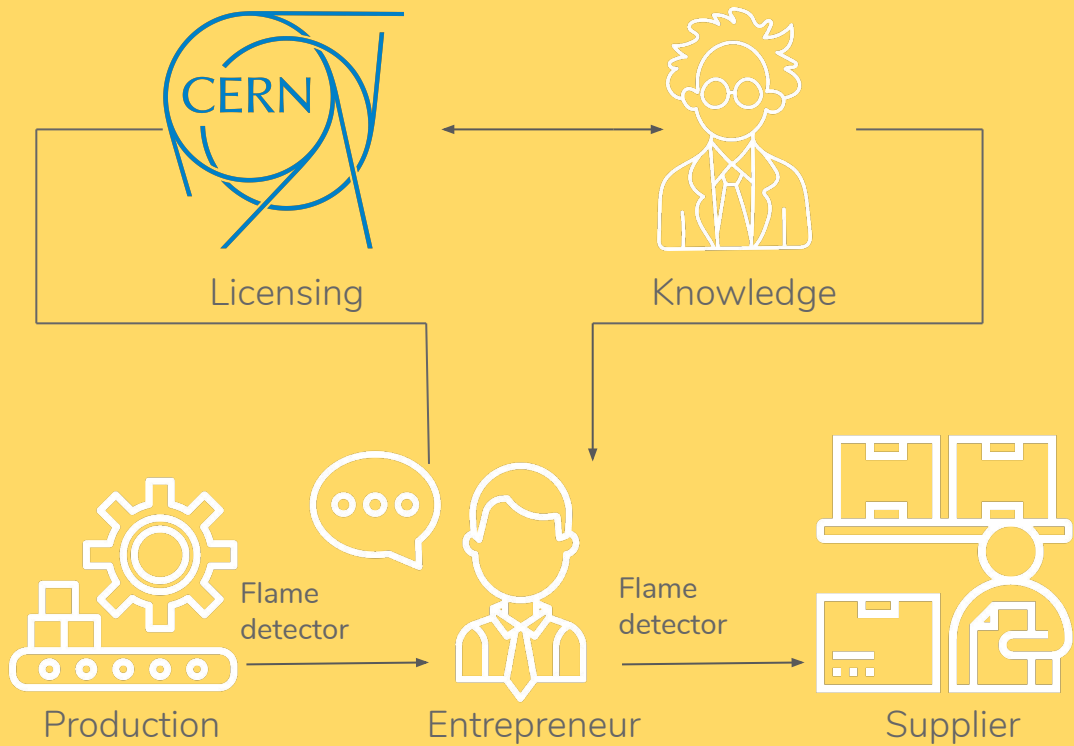
BUSINESS MODEL



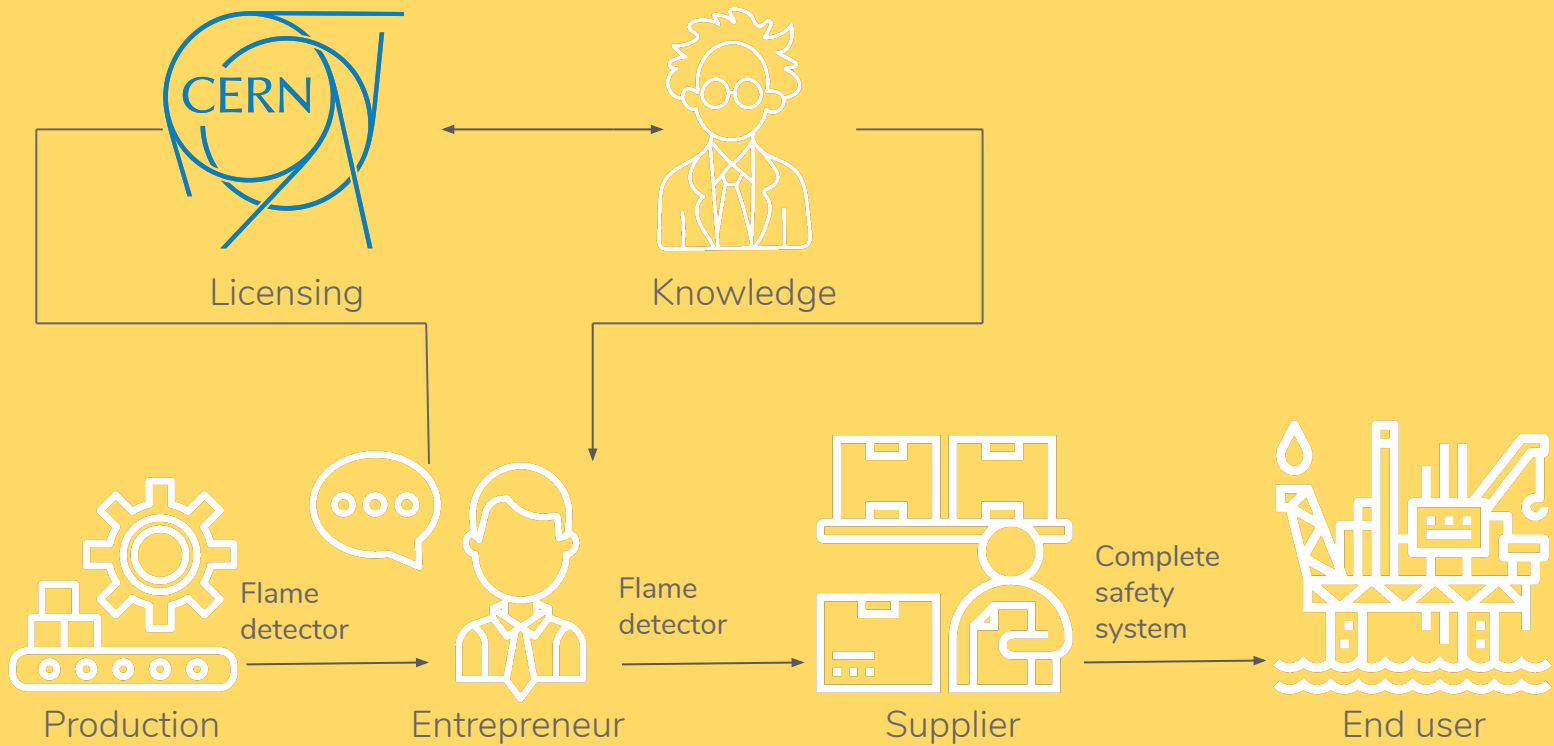
BUSINESS MODEL



BUSINESS MODEL



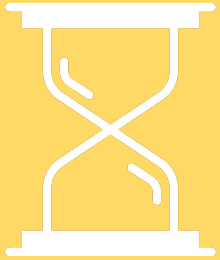
BUSINESS MODEL





Entry barriers

Recommendation



Time course



Market size

Recommendation

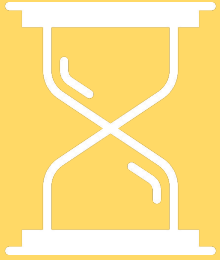


NTNU SCHOOL *of*
ENTREPRENEURSHIP



ATEX

Recommendation



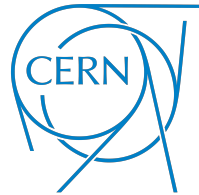
Time course



Market size

Recommendation

NTNU SCHOOL *of*
ENTREPRENEURSHIP



ATEX

Recommendation



CONNECTING



Consilium

THANK

YOU!

CERN
IDEASQUARE
VLADIMIR PESKOV
RITA FERREIRA
LARS ERIK H.
ANDREASSEN