

# Solving TagBoard Incidents



Presented by:

Yvan Brulé

# Solving TagBoard Incidents

**Conventional  
Tag Board**

**Risks or  
Incidents**

**Available  
Technology**

**Solving  
Incidents**

**Deployed  
Solutions**





**Conventional  
Tag Board**

**Risks or  
Incidents**

**Available  
Technology**

**Solving  
Incidents**

**Deployed  
Solutions**



**Who is in**  
**Who is out**

**Conventional  
Tag Board**

**Risks or  
Incidents**

**Available  
Technology**

**Solving  
Incidents**

**Deployed  
Solutions**



## Safety System

Who is in

Mine Rescue

Who is out

Central Blast

**Conventional  
Tag Board**

**Risks or  
Incidents**

**Available  
Technology**

**Solving  
Incidents**

**Deployed  
Solutions**



**Risk = Procedure not followed**



**Conventional  
Tag Board**

**Risks or  
Incidents**

**Available  
Technology**

**Solving  
Incidents**

**Deployed  
Solutions**

**Risk = Procedure not followed**

**Challenge = Human Error**



**Conventional  
Tag Board**

**Risks or  
Incidents**

**Available  
Technology**

**Solving  
Incidents**

**Deployed  
Solutions**

Risk = Procedure not followed

Challenge = Human Error

## TAGBOARD INCIDENTS



1.

2.

3.

4.

Conventional  
Tag Board

Risks or  
Incidents

Available  
Technology

Solving  
Incidents

Deployed  
Solutions



Risk = Procedure not followed

Challenge = Human Error

## TAGBOARD INCIDENTS



1. Forgot to Tag in

2.

3.

4.

Conventional  
Tag Board

Risks or  
Incidents

Available  
Technology

Solving  
Incidents

Deployed  
Solutions

Risk = Procedure not followed

Challenge = Human Error

## TAGBOARD INCIDENTS



1. Forgot to Tag in
2. Forgot to Tag out
- 3.
- 4.

Conventional  
Tag Board

Risks or  
Incidents

Available  
Technology

Solving  
Incidents

Deployed  
Solutions



Risk = Procedure not followed

Challenge = Human Error

## TAGBOARD INCIDENTS



1. Forgot to Tag in
2. Forgot to Tag out
3. Placed wrong Tag
- 4.

Conventional  
Tag Board

Risks or  
Incidents

Available  
Technology

Solving  
Incidents

Deployed  
Solutions

Risk = Procedure not followed

Challenge = Human Error

## TAGBOARD INCIDENTS



1. Forgot to Tag in
2. Forgot to Tag out
3. Placed wrong Tag
4. Removed wrong Tag

Conventional  
Tag Board

Risks or  
Incidents

Available  
Technology

Solving  
Incidents

Deployed  
Solutions



Risk = Procedure not followed

Challenge = Human Error

## TAGBOARD INCIDENTS



1. Forgot to Tag in
2. Forgot to Tag out
3. Placed wrong Tag
4. Removed wrong Tag

Conventional  
Tag Board

Risks or  
Incidents

Available  
Technology

Solving  
Incidents

Deployed  
Solutions

# Radio Frequency IDentification

Conventional  
Tag Board

Risks or  
Incidents

Available  
Technology

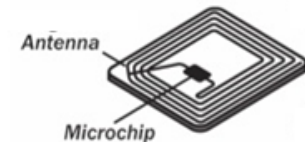
Solving  
Incidents

Deployed  
Solutions



# Radio Frequency IDentification

RFID Tag



Conventional  
Tag Board

Risks or  
Incidents

Available  
Technology

Solving  
Incidents

Deployed  
Solutions

# Radio Frequency IDentification

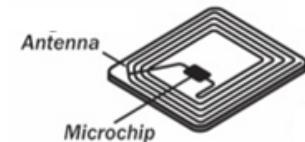
Example of R.F.I.D. combinations.

24 bit Hex : 298D348F9AB048D83CC2943B

=

Decimal: 79 Octillion Combinations  
79, 228 162 514 264 337 593 543 950 336

RFID Tag



Conventional  
Tag Board

Risks or  
Incidents

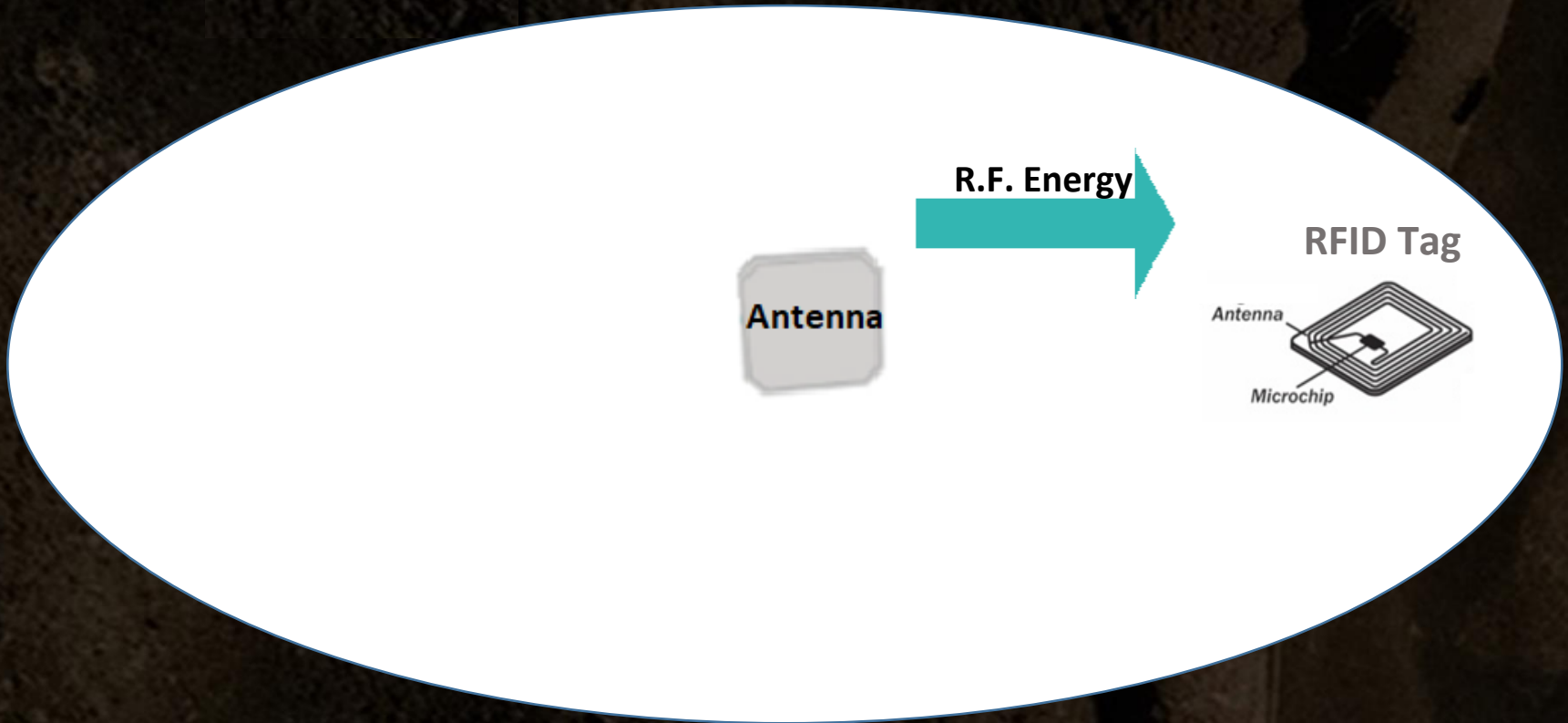
Available  
Technology

Solving  
Incidents

Deployed  
Solutions



# Radio Frequency IDentification



Conventional  
Tag Board

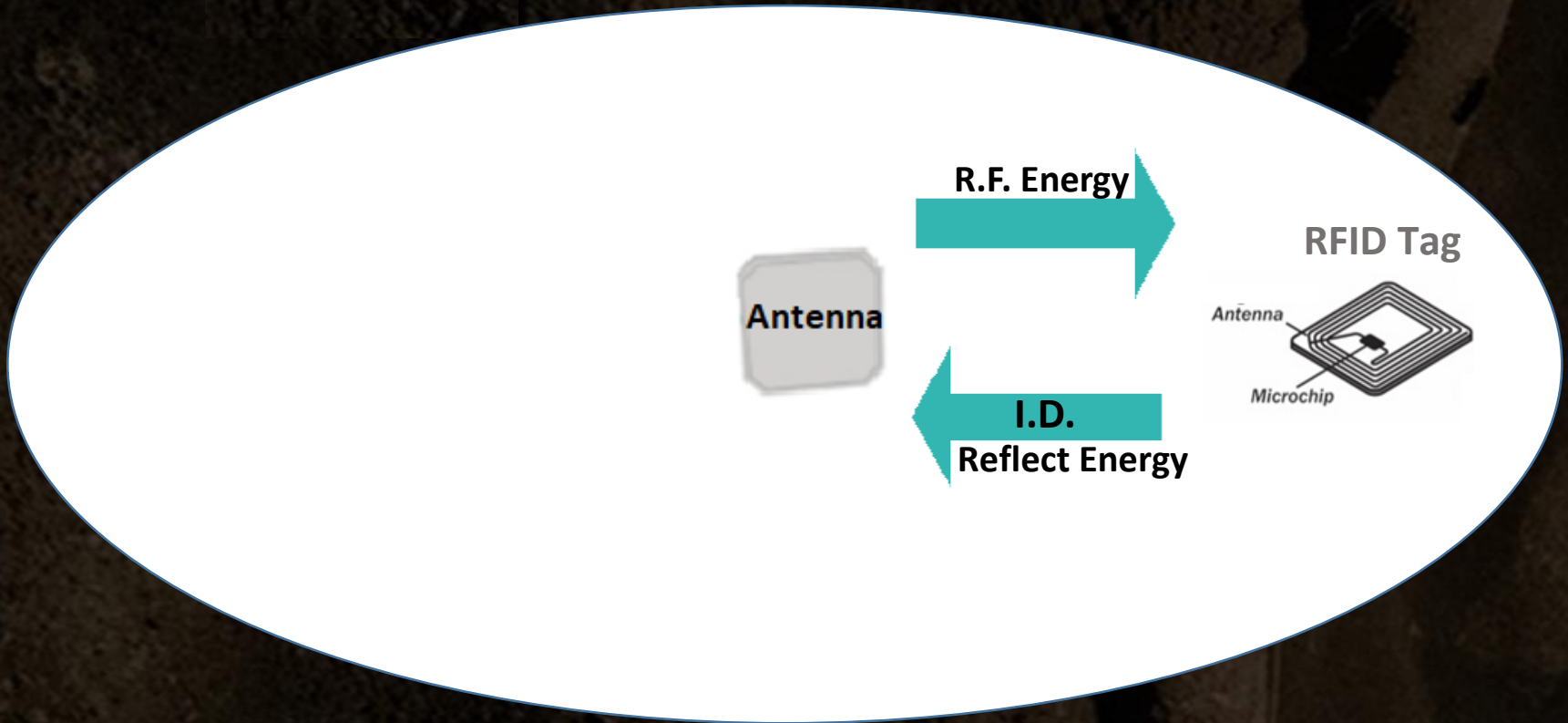
Risks or  
Incidents

Available  
Technology

Solving  
Incidents

Deployed  
Solutions

# Radio Frequency IDentification



Conventional  
Tag Board

Risks or  
Incidents

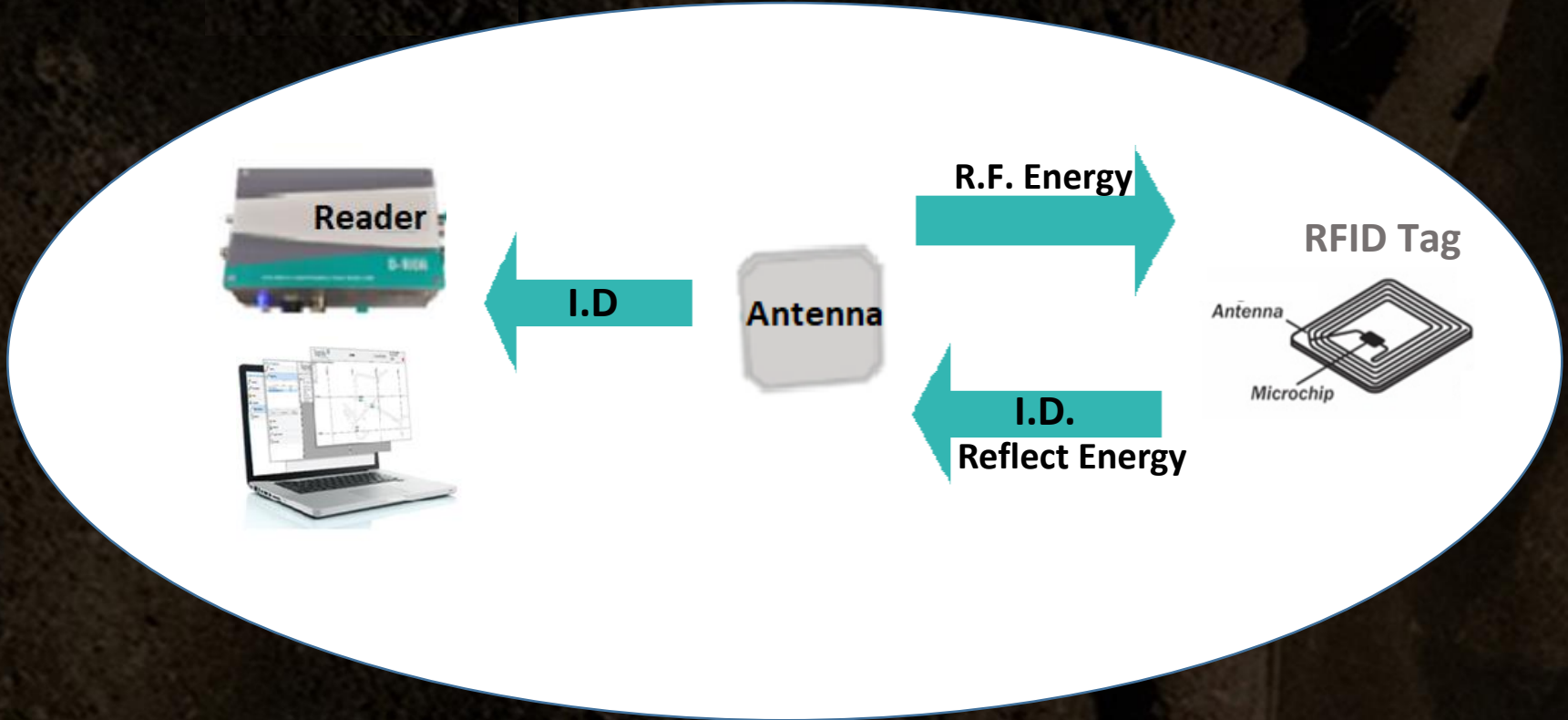
Available  
Technology

Solving  
Incidents

Deployed  
Solutions



# Radio Frequency IDentification



Conventional  
Tag Board

Risks or  
Incidents

Available  
Technology

Solving  
Incidents

Deployed  
Solutions

# Radio Frequency IDentification

**Retail**



**Finance**



**Transportation**



**Health Care**



**Security**



**Supply Chain**

Conventional  
Tag Board

Risks or  
Incidents

Available  
Technology

Solving  
Incidents

Deployed  
Solutions



Risk = Procedure not followed

Challenge = Human Error

## TAGBOARD INCIDENTS



Conventional  
Tag Board

Risks or  
Incidents

Available  
Technology

Solving  
Incidents

Deployed  
Solutions

Risk = Procedure not followed

Challenge = Human Error

## SOLVING TAGBOARD INCIDENTS



RFID Tag

Conventional  
Tag Board

Risks or  
Incidents

Available  
Technology

Solving  
Incidents

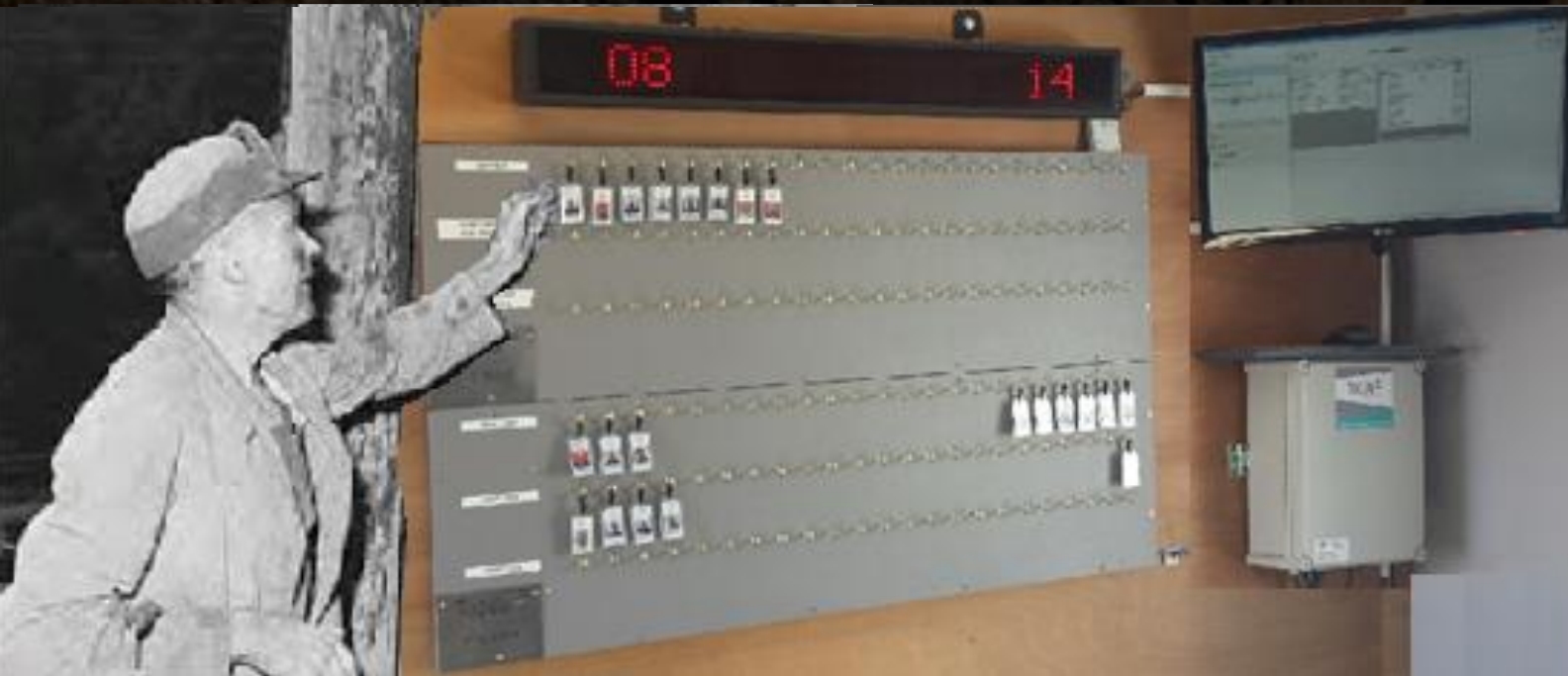
Deployed  
Solutions



Risk = Procedure not followed

Challenge = Human Error

## SOLVING TAGBOARD INCIDENTS



RFID Tag

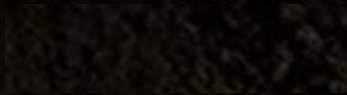
Conventional  
Tag Board

Risks or  
Incidents

Available  
Technology

Solving  
Incidents

Deployed  
Solutions



SQL Database



Conventional  
Tag Board

Risks or  
Incidents

Available  
Technology

Solving  
Incidents

Deployed  
Solutions



**Tracking Systems**

**Turnstiles**

**Card Access**

**3<sup>rd</sup> party**

**Software**



**SQL Database**



**Conventional  
Tag Board**

**Risks or  
Incidents**

**Available  
Technology**

**Solving  
Incidents**

**Deployed  
Solutions**





**Tracking Systems**

**Turnstiles**

**Card Access**

**3<sup>rd</sup> party Software**



**use a Database (SQL very common)**



**SQL Database**



**Conventional  
Tag Board**

**Risks or  
Incidents**

**Available  
Technology**

**Solving  
Incidents**

**Deployed  
Solutions**



Tracking Systems

Turnstiles

Card Access

3<sup>rd</sup> party Software

use a Database (SQL very common)



SQL Database



Conventional  
Tag Board

Risks or  
Incidents

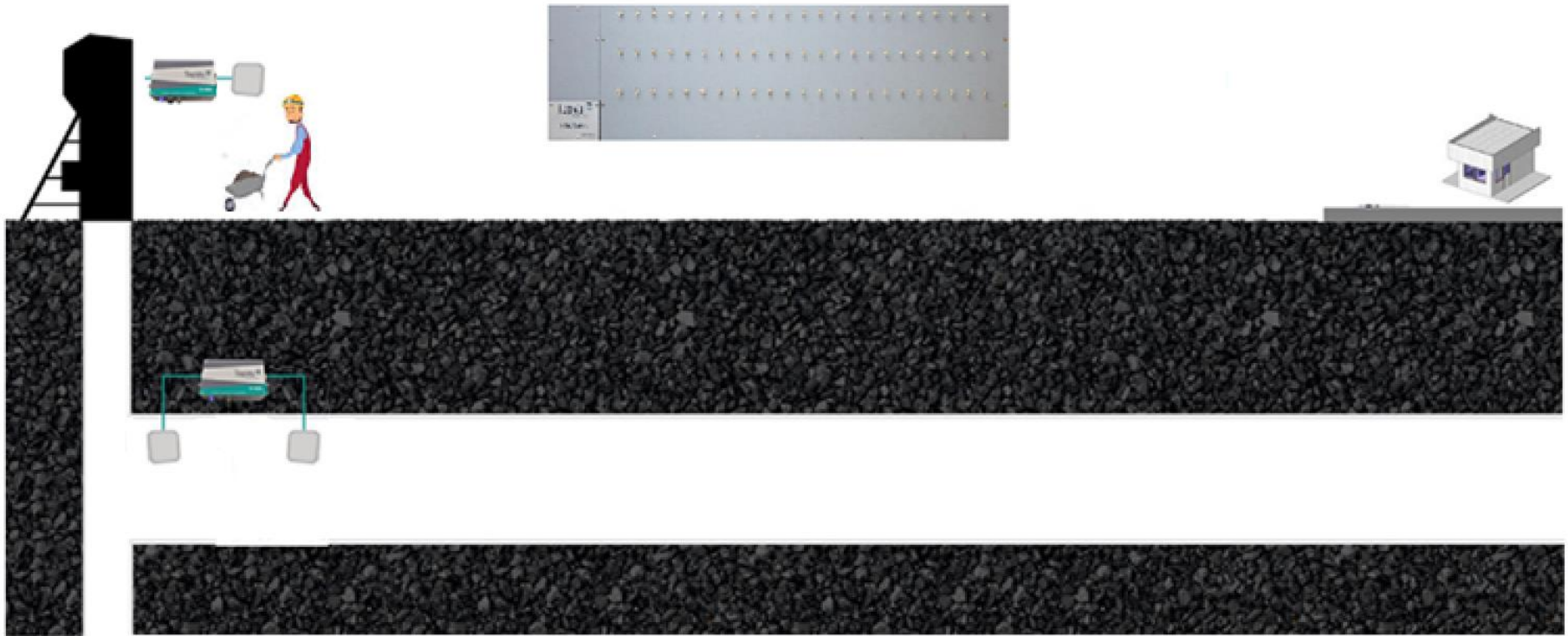
Available  
Technology

Solving  
Incidents

Deployed  
Solutions

# !!! Alert !!!

- Forgot to Tag in ???
- Placed wrong Tag ???
- Tag Removed by other ???



Conventional  
Tag Board

Risks or  
Incidents

Available  
Technology

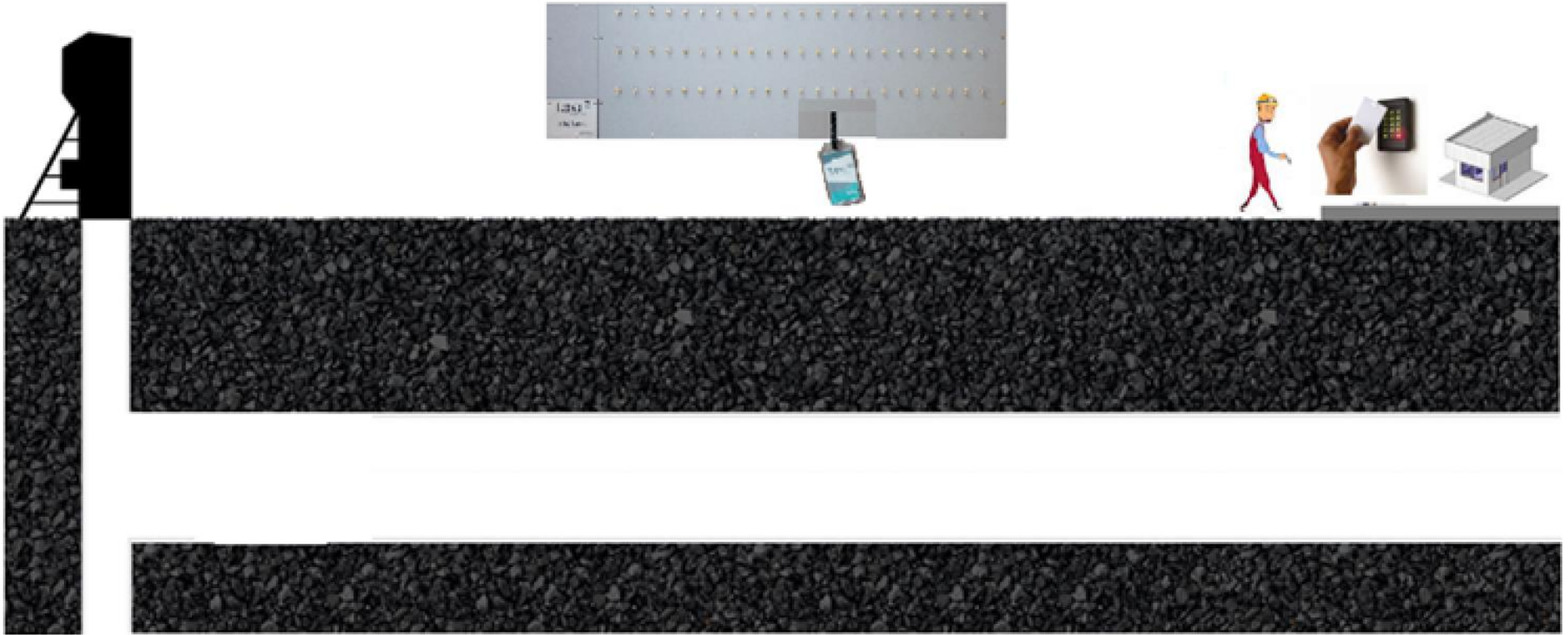
Solving  
Incidents

Deployed  
Solutions



# !!! Alert !!!

- Forgot to Tag out ???



Conventional  
Tag Board

Risks or  
Incidents

Available  
Technology

Solving  
Incidents

Deployed  
Solutions

**Managers/Supervisor**



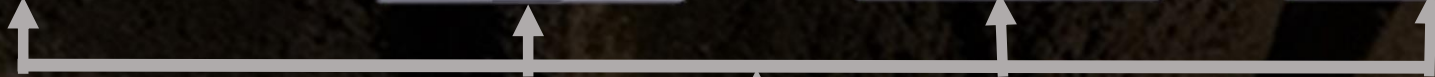
**Health & Safety**



**Mine Rescue**



**Others ?**



**SQL Database**



**Conventional  
Tag Board**

**Risks or  
Incidents**

**Available  
Technology**

**Solving  
Incidents**

**Deployed  
Solutions**



TopVu's eTagBoard



Conventional  
Tag Board

Risks or  
Incidents

Available  
Technology

Solving  
Incidents

Deployed  
Solutions





TopVu's eTagBoard



3rd party  
Wi-Fi tracking



Conventional  
Tag Board

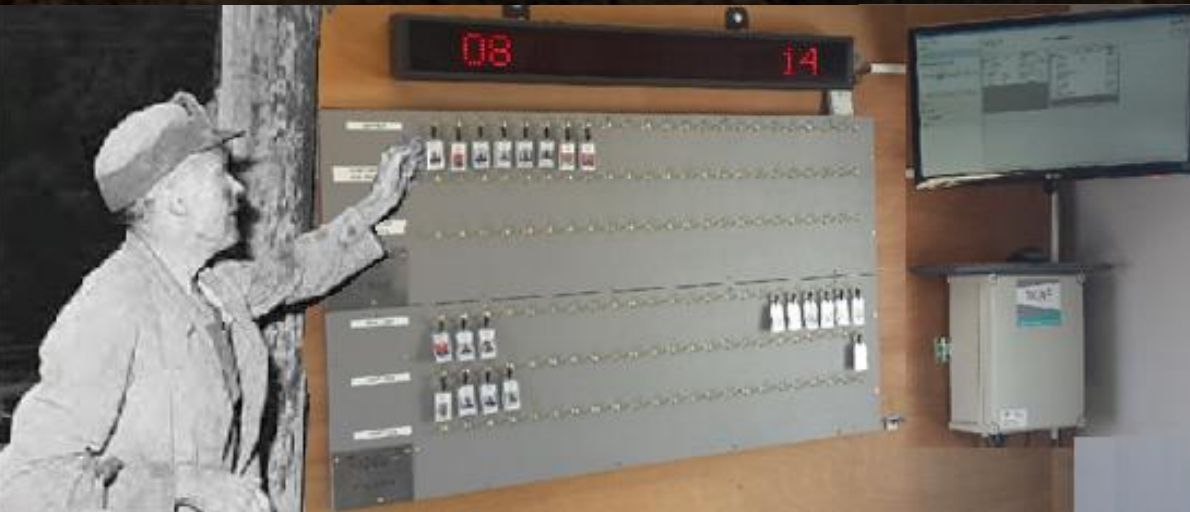
Risks or  
Incidents

Available  
Technology

Solving  
Incidents

Deployed  
Solutions

# Questions ?



**SOLVING TAGBOARD  
INCIDENTS**

**Presented by Yvan Brulé**