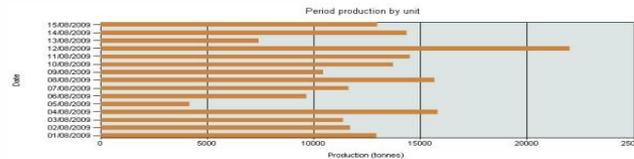# Electronic & Telecom Systems for drilling machine
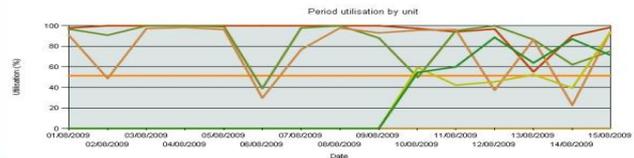
Drilling Optimization Technology

———

Thanks to our expertise in technologies and mining industry processes

Fleet monitoring system
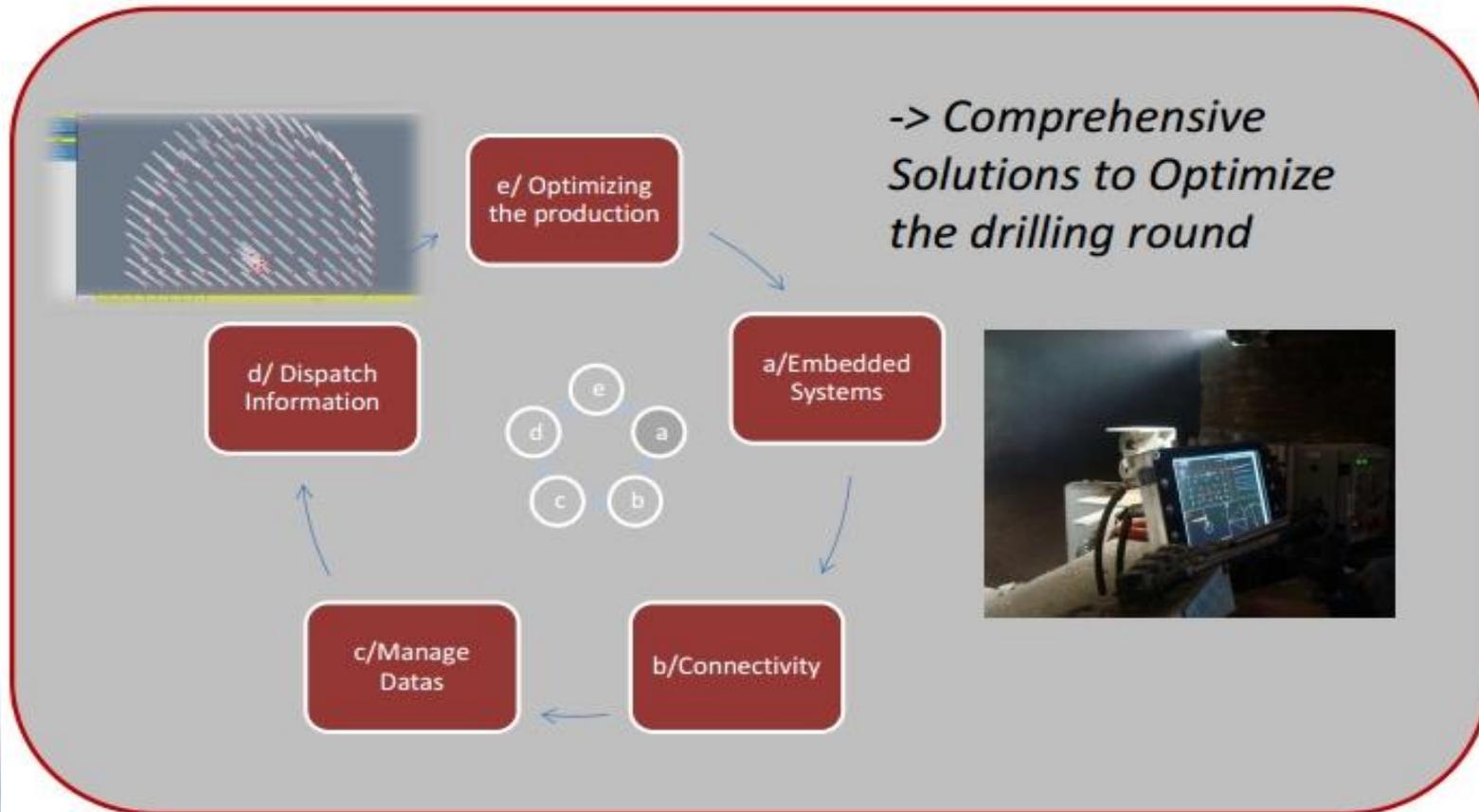
Production data processing

Summary

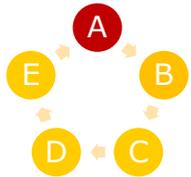BlasCom IT

1. Technology 4 Drilling Principle

Our mission:

Develop solutions to optimize the operations costs of subterranean drillings.

Thanks to our innovative systems, you will be able to improve the quality,
by getting real-time a complete reporting and to monitor closely all operations.

2. Product details and architecture

a) Electronics for drilling machines (OEM & Rebuilt)

Our solution can be adapted on many drilling equipments (Sandvik, Atlas Copco, …)

Inovative Components :
HeavyDuty Context.

Easy to Use
Easy to Maintain

IP67 Computer
5mm enclosure

Backbone Equipment

Contactless
angular sensor
(ATEX
available)

Modular IO Module (CAN Bus) With Specific Hardware

3.Benefits
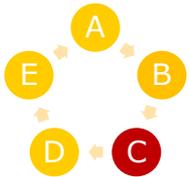
A
E · B
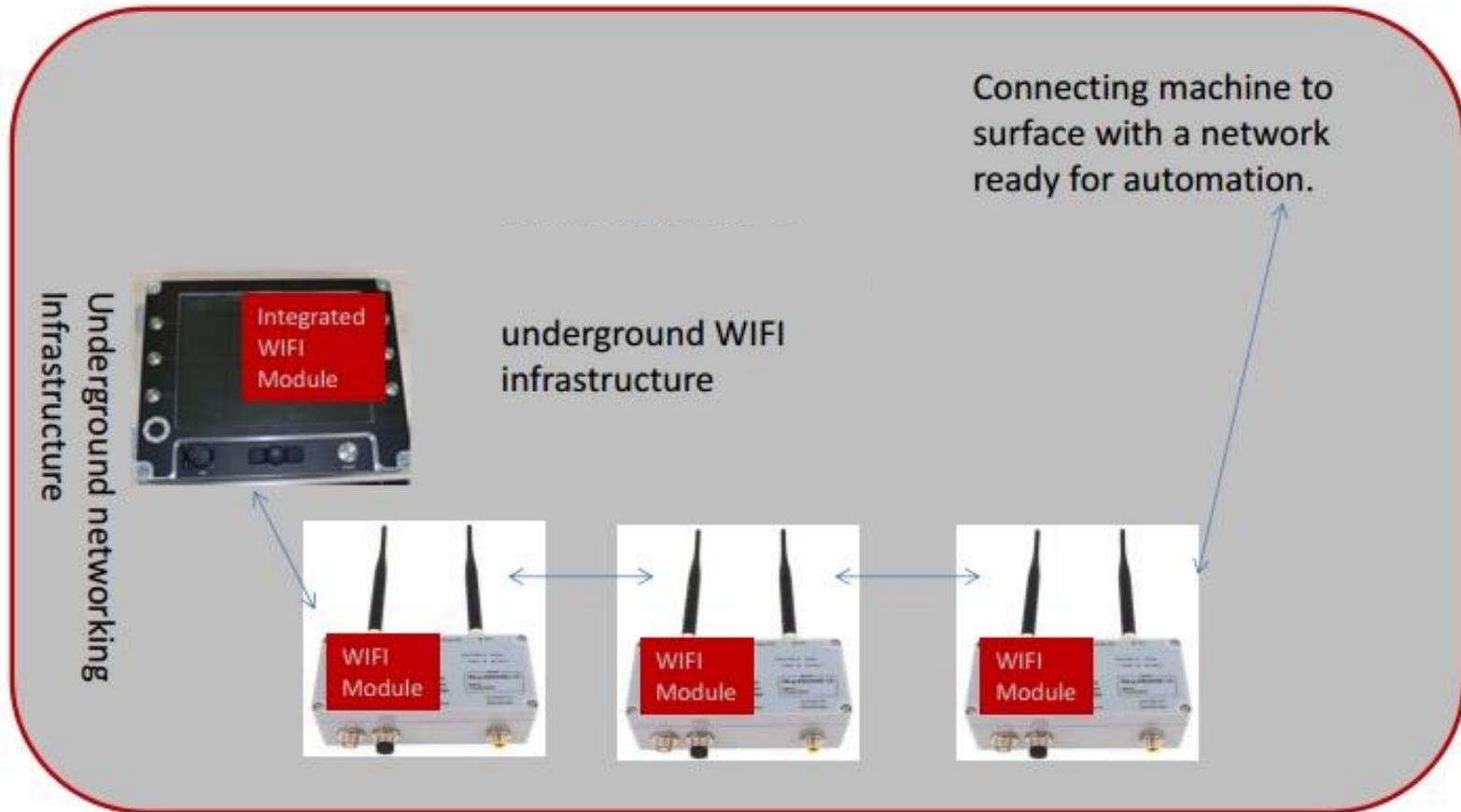D · C
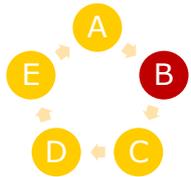
b) Computer Assisted Drilling

→ Graphics assistance for the underground worker
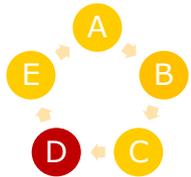
→ Monitoring, Remote Operation & semi automatic
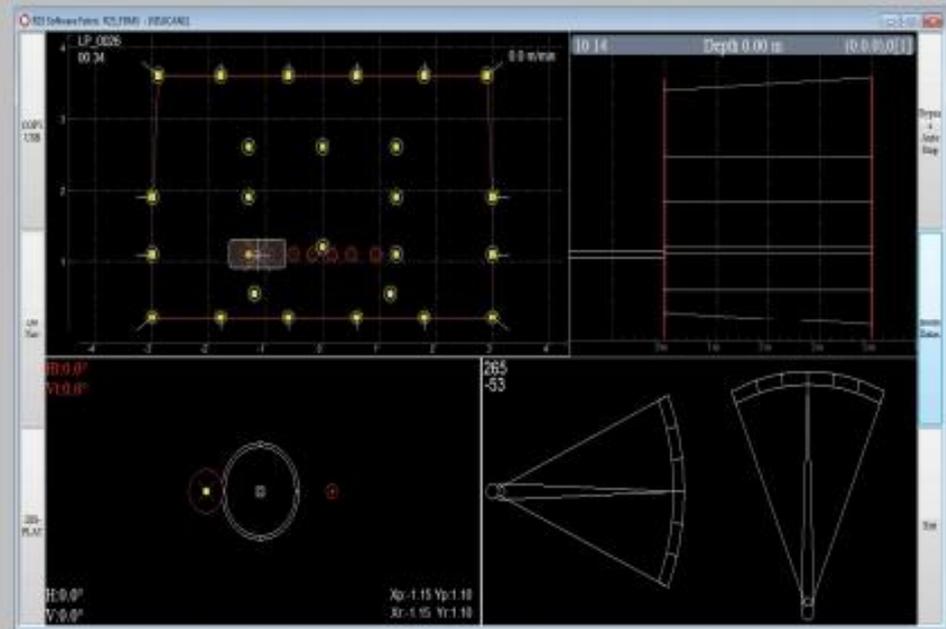
4. connectivity
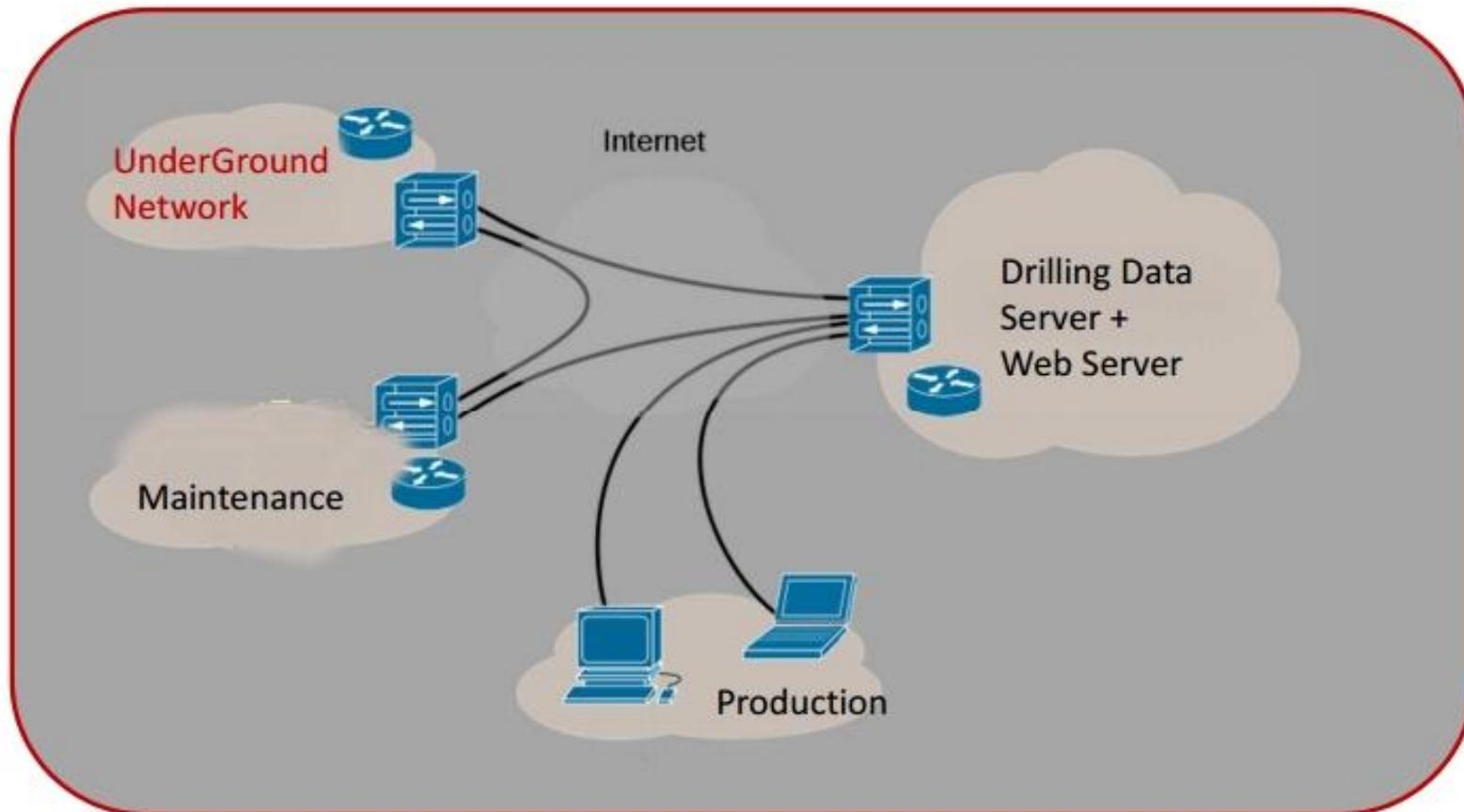

c) Underground Connectivity

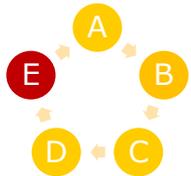# 5. Real-Time Data centralization advantages

d) Automation in Processing and Dispatching Data (SAAS)

e) The right data to the right people on time

e) The right data to the right people on time

A
E B
D C

e) The right data to the right people on time

Ex 3
Geology Check :

3d view of the
penetration rate

7. Conclusion

→ •**Optimization of the drilling process in mining**

→ •**Technology already deployed in Canada, Poland and Estonia**

→ •**Prepare solutions for the mining demand**

→ •**Can be coupled with equipments geolocalisation system**

→ •**Dynamic R&D Environment in France at Lyon**

• On this video, an illustration of auto-retract function ➔
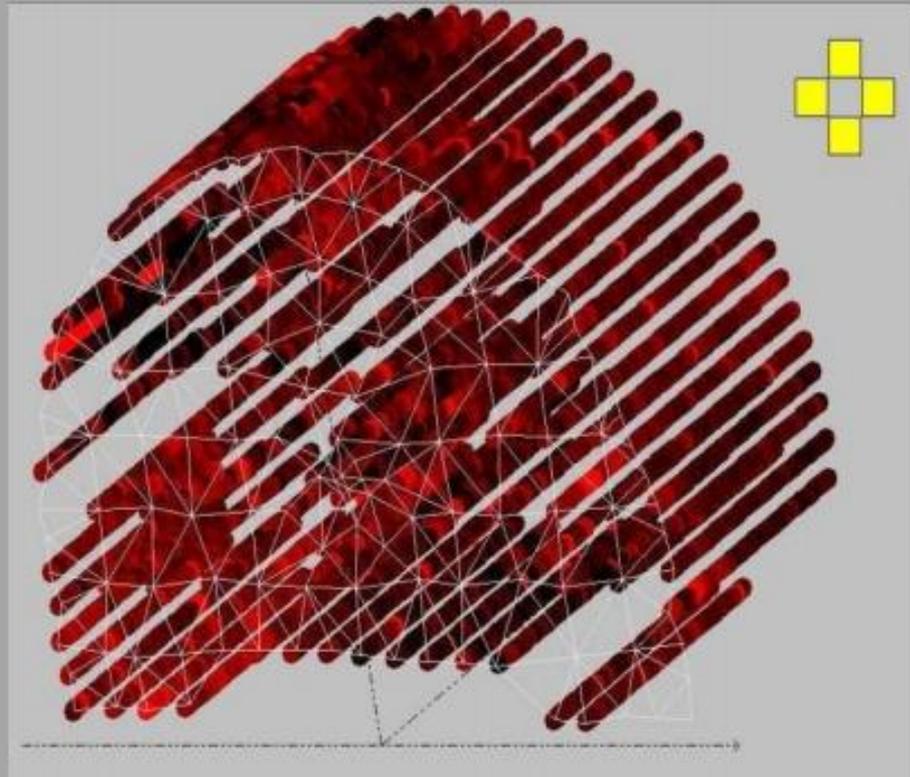
If problem, Copy this link in your browser :

http://www.blascom.com/slides_blascom/IT%2
0Optimization%20on%20Drilling%20Machine.
mp4

Face Drilling Monitoring System : FDMS

A solution to help the minor to drill on the right position and correct the face with auto-retract capacity.
FDMS provides also a basic reporting system as a standard to display reports on the production manager desktop.

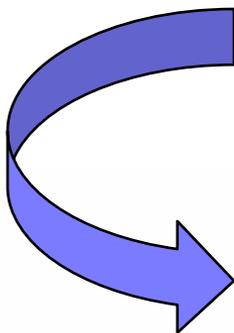*Semi automatic, extended reporting and more are under development to be available for production in 2014.*
BlasCom IT *embedded products are based on specific hardware and selected components to provide mining compliant solutions.*
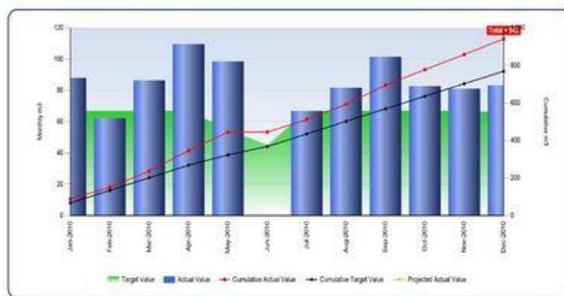
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BlasCom IT *is a company participating in the '*Global compact Local Network* ' charter
of the United Nations, to make a commitment in favor of practices, among others,
of development and distribution of environment-friendly technologies.*

BlasCom IT *has also been incorporated into the DCICC: Dynamic Coalition on Internet and
Climate Change, depending on the International Telecommunication Union (ITU) and counting
51 companies and/or authorities at world level.*

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