

### High Precision GPS Guidance of the drill rig: First NaviLIM start-up in Africa

**February 2021:** Two **PocketLIM 5G**, 7" display, with the **NaviLIM** application for the high precision GPS drill rig guidance, have been installed in Guinea at the Tinguinlinta iron mine. The equipped drilling machines are ReichDRILL C550  
The first definitive installation of **NaviLIM** was carried out.



*NaviLIM screen with drill pattern and drilling machine*



*ReichDRILL drill rig with GPS antennas on the cab roof*



*NaviLIM GPS antennas installed on the roof of the drilling rig*

The results obtained are as follows: 95% instead of 64% (without NaviLIM assistance) were carried out within the acceptable margin of error.

[Click to access the case study.](#)

[Click to access the web page and the demonstration video.](#)

### Real-time monitoring of the drilling machine and its operator: The Drill@LIM application

**2021** was the year of the finalization of the **Drill @ LIM** application.

This application allows in real time:

- to follow in real time the drilling machine parameters (hammer, engine, ...);
- to receive alerts related to the operation of the machine;
- to monitor the activity of the machine operator.

This application is intended for managers in charge of the operation and equipment of a fleet of several drilling machines. In addition to real-time monitoring, **Drill @ LIM** produces daily and monthly reports concerning not only the activity of the drilling machines but also the production.



## Newsletter No.1 - November 2021

Devices	Faults	Operator	GPS position	Engine Speed (rpm)	Engine Hours Total
52114		06	<a href="#">(42.7607574, 2.7975836)</a>	1200	2739:27:00
52123		Olivier 0659	<a href="#">(45.7316246, 4.5017333)</a>	0	
52149		Clément 0768	<a href="#">(45.7348633, 4.5207777)</a>	1548	2783:00:00
53010		Frederic 0603	<a href="#">(47.5422935, 6.5343943)</a>	1613	1739:39:00
52124		Christophe 0689	<a href="#">(49.0860176, 5.3760958)</a>	1791	2773:27:00
52112	J1939_5584	Bertrand	<a href="#">(47.4434395, 4.0662932)</a>	1257	3731:42:00
53003		Nicolas - 0685	<a href="#">(46.7977791, 6.3609028)</a>	1799	2384:18:00

Extract from the real time *Drill@LIM* table

[Click to access the Drill @ LIM case study.](#)

[Click to access the Drill @ LIM web page.](#)

## Launch of the PocketLIM 6G prototype, the new generation of LIM data recorder which will be marketed from January 2022

Since **September 2021**, the new generation of LIM data recorder, the **PocketLIM 6G**, has been in the field test phase.

Taking the design of the PocketLIM 5G 7" and keeping the same structure at the menu level, the innovation of the **PocketLIM 6G** mainly concerns the speed of execution of tasks (new microprocessor) and connectivity. Its launch is scheduled for January 2022.

The major innovations are as follows:

- 7" 16/9 color touch screen similar to a smartphone, high brightness and anti-glare with icons, color codes & virtual keyboard;
- Immediate reactivity when pressing a button;
- Boot time reduced to 15 seconds;
- Anti-scratch and vandal-proof tempered glass front;
- New "Mirroring" function with real-time display on a remote screen (smartphone, tablet, laptop) and remote control;
- Remote control by a LIM operator for maintenance operations and assistance to the driller.





*PocketLIM 6G-drilling with smartphone mirroring  
Pressuremeter curve display  
NaviLIM application on PocketLIM 6G*

[Click to access the PocketLIM 6G web page](#)

## New development projects for 2022

LIM continues to develop, whether to improve existing solutions or create new ones, we can mention the following projects:

The manual entry function of geotechnical and lithological data via the **PocketLIM 6G**;

The new version of the GEO-LOG application in the cloud, **GEO-LOG 5** is on the way;

The new **SCANLIM** core scanner project (second generation), a first only optical version will be marketed in 2022, it will be followed in 2023 by a version which will also be able to provide information on the contents of certain chemical elements.

## New LIM distributors in 2021

Our distribution network was strengthened internationally in 2021 with:

**NAC MACHINERY & EQUIPMENT** in Singapore

**SLS TECHNOLOGY Co., Ltd** in Vietnam

**PT SOMBA TEKNO** in Indonesia

who have become our exclusive distributors, each in their own country.

In addition **TMC**, which resold LIM products in Spain on a non-exclusive basis, signed an exclusivity agreement with LIM in September 2021

We welcome them all.

[Click to access the list of all our distributors](#)



### Trade fairs - Exhibitions

In 2021, we participated in the following trade fairs and exhibitions:

- 05/10 to 04/14/2021: **IFCEE 2021** (*Special Foundations*) in Dallas (TX, USA);
- 06/23 to 06/24/2021: **SOLSCOPE 2021** (*Site investigation-Foundations*) in Lyon (France);
- 08/29 to 09/02/2021: **EAGE NSR 2021** (*Geophysics*) in Bordeaux (France);
- 09/13 to 09/15/2021: **MINEXPO 2021** (*Mines*) in Las Vegas (NV, USA);
- 09/15 to 09/18/2021: **GEOFLUID 2021** (*Site investigation-Foundations*) in Piacenza (Italy);
- 10/20 to 10/22/2021: **SIM 2021** (*Mineral Industry*) in Lille (France);
- 10/25 to 10/29/2021: **EXPOMIN 2021** (*Mines*) in Santiago (Chile).

For 2022, we are already registered for the following fairs and exhibitions

- 01/28 to 02/02/2022: **ISEE 2022** (*Drill & Blast*) in Las Vegas (NV, USA);
- 03/07 to 03/09/2022: **PDAC 2022** (*Mining exploration*) in Toronto (ON, Canada).

