

Héricourt, 19 February 2018

GAUSSIN signs two contracts with the BOLLORE Group

**Commercial launch of the BLUE SOLUTIONS « POWERPACK FULL ELEC »
for the GAUSSIN range of ATT, AIV and ATM electric vehicles**

**Co-development contract for the APM FULL ELEC 75T with
BOLLORE PORTS**

GAUSSIN Manugistique (Euronext Growth FR0010342329) has announced the signing of two contracts with the BOLLORE Group. The first was signed with BLUE SOLUTIONS for the purpose of completing GAUSSIN's range of POWERPACKS FULL ELEC by including the POWERPACK LMP® from BLUE SOLUTIONS. The second contract was signed with BOLLORE PORTS and concerns the joint development of an electric tractor, the APM 75T, intended for port transport. This vehicle will include the technical features used in ports where BOLLORE PORTS operates (currently 20 terminals including 16 in Africa).

BLUE SOLUTIONS POWERPACK FULL ELEC LMP® will equip the range of current GAUSSIN MANUGISTIQUE electric vehicles: ATT, AIV and ATM

GAUSSIN and BLUE SOLUTIONS have signed a contract to market the POWER PACKS LMP® (Lithium Metal Polymer) for GAUSSIN's current range of port vehicles - the ATT and AIV - and for vehicles intended for the logistics centres market. These new BLUE SOLUTIONS POWERPACKS FULL ELEC will be available for trade as of June 2018.

The LMP® (Lithium Metal Polymer) battery: ideal for use under hot climates

High temperatures affect performance and life span of batteries, leading to premature aging. Certain battery chemicals do not operate with optimal performance as of 50°. This low heat resistance can lead to high additional costs under hot climates and hinder the development of electric vehicles in many regions of the world. And yet there is increasing demand for clean energy solutions.

So one of the major advantages of LMP (Lithium Metal Polymer) batteries by BLUE SOLUTIONS, is that they operate under optimal conditions at high temperatures, due to their polymer electrolytes. Consequently, they are a definite asset in very hot environments (up to average temperatures of 80°).

The BOLLORE Group has designed and marketed these batteries, which are already used for mobile applications (electric vehicles), but also for stationary applications (electricity storage for individuals, companies, communities...) all within Blue Applications. Since 2011, they have rapidly spread to operations in all continents.

With these new POWERPACKS, GAUSSIN will bring trade with the United Arab Emirates and Africa to a higher level in the logistics and port sectors, thanks to this unique competitive advantage.

Financial and commercial terms and conditions of the contracts signed between GAUSSIN, BLUE SOLUTIONS and BOLLORE PORTS are strictly confidential.



Joint development of the APM 75T electric tractor

GAUSSIN and BOLLORÉ PORTS have signed a contract for the joint development of the APM 75T, a FULL ELECTRIC tractor used for container transport in commercial ports. The APM 75T will include the technical features used by BOLLORÉ PORTS in the ports it currently operates. The vehicle will be available in manual and automatic version, thanks in particular to its natural navigation system.

Work started between the GAUSSIN and BOLLORÉ teams in 2017 with the objective of finishing the vehicle in the second semester of 2018. Technical meetings took place every month to review progress on the project.

With 20 container terminals worldwide, including 16 in Africa and 4 new projects, BOLLORÉ PORTS is the first operator of port infrastructures in Africa and the leading manager of container terminals on this continent.

General specifications of the APM 75T

Application	All types of containers
Payload	75t

Energy	FULL ELECTRIC
Type of battery	2 Lithium Metal Polymer (LMP) battery packs
On-board power supply	120 kWh
Autonomy	8 hours
Speed	35km/h
Traction chain	Electric motor – Powered axle/Axle with integrated gear reducer – Automatic gear box
Navigation	Manual – Automated (transponder) – Autonomous (Natural Navigation)

This is the 2nd joint development project in the port sector, after the joint development with PSA Singapore of AGV FULL ELEC delivered in December 2017 (See press release dated 28 December 2017).



“Beyond electric cars and buses, this is the first time that Blue Solutions equips industrial vehicles for ports. We are delighted that our LMP® technology meets the needs of a renowned French company such as Gaussin Manugistique and to power its ATT, AIV and ATM electric vehicles, ”said Marie Bolloré, General Manager of Blue Solutions.

« The Gaussin Group is proud to propose a 100% made in France range of full electric vehicles. The integration of these batteries, perfectly adapted to hot countries, provides many business opportunities, in particular in the Middle East and, of course, in Africa, a continent where Bolloré operates 20 port terminals », declares Christophe Gaussin, CEO of the Gaussin Group.

Upcoming events

Salon SITL - Semaine Internationale du Transport et de la Logistique
20-23 MARS 2018 - PARIS NORD VILLEPINTE - HALL 6

About BLUE SOLUTIONS

Listed since 30 October 2013, BLUE SOLUTIONS is the company in charge of electricity storage solutions developed by the Bolloré Group. By diversifying its historical activity as manufacturer of paper and ultrathin plastic film, the Bolloré Group has become a manufacturer of complete electrical component solutions for capacitors, accounting for over a third of the world market. Based on this expertise and after 30 years of R&D, the Group has developed batteries and electrical storage solutions relying on a specific technology, the LMP® (Lithium Metal Polymer) and on supercapacitor technology. These batteries are used for mobile applications (electrical vehicles) but also for fixed applications (electricity storage for individuals, companies, communities...), developed and traded by other Group entities under the banner of Blue Applications, which has shown strong expansion on all continents since 2011. www.blue-solutions.com

About Bolloré Ports

Present on 4 continents, leader in Africa and a historical player in France, Bolloré Ports wants to strengthen its current position and pursue its international expansion. Due to its acknowledged expertise in port sector trades and eventual synergies by virtue of being a part of Bolloré Group Transport & Logistics, Bolloré Ports is in a position to reinforce its status as global port operator.

Bolloré Ports guarantees the best possible offer to its clients by developing quality partnerships meeting the best international standards.

Our port expertise provides us with this unique experience. Our clients' port authorities can therefore count on a reliable, professional partner for the long term.

Bolloré Ports invests each year in the construction and improvement of port infrastructures entrusted by its clients, ship owners, importers and exporters.

About Gaussin

GAUSSIN MANUGISTIQUE® is specialised in the auditing of handling processes and the development of wheeled handling systems used to install and transport heavy, bulky or fragile loads. With more than 50,000 handling vehicles worldwide, GAUSSIN Manugistique boasts a strong reputation on four fast-expanding markets: Energy, Transport, the Environment, and Raw Materials. GAUSSIN MANUGISTIQUE® is listed on Euronext's Alternext in Paris since 16 June 2010. GAUSSIN shares are listed since 20 July 2012 on the E2 listing (public market) since obtaining AMF Visa n° 12-360 on 17/07/12 for the Prospectus, available free of charge on www.gaussin.com.



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More information on Gaussin is available on www.gaussin.com