

The series of meetings held on the first day of SaMoTer at Veronafiere until 7 May

SAMOTER HIGHLIGHTS INNOVATIVE TECHNOLOGIES FOR DIGITAL CONSTRUCTION SITES OF ANY SIZE

Verona, 4 May 2023 - Digitisation is making its way into construction sector in its own right and does so by providing technologies applicable not only for medium-large construction sites but even smaller work areas. This emerged during the first cycle of conferences and workshops at **SaMoTer**, the international construction machinery exhibition at **Veronafiere** until Sunday 7 May.

The road-building sector in one which has already clearly understood the importance of digitization and its application to every kind of construction site. "*We have developed technologies that can be used even in very small construction sites,*" explained **Luca Iozzi of Leica Geosystems** during the "Digitalisation and road construction sites - operating solutions" conference organized by e-construction, Vado e Torno. "*A single software package now makes it possible to coordinate all the machines at work, from excavation to paving through to completion of the project.*"

"Digitization responds to the challenge of increasing productivity in the sector," said **Cristiano Volz of Topcon**. "*From surveying to milling, by way of resurfacing asphalt, we have created an efficient process that adapts to all contexts.*"

In turn, **Corrado Bocci of Pavi** outlined the advantages of the digital road building site: "*The site is constantly connected with the technical office and this helps reduce on-site assistance costs. All the more, waste materials are reduced and paving quality is improved. Yet, above all, complaints from clients are prevented, since everyone knows about the project from the early stages.*"

"Digitalisation is an opportunity to improve the construction world and all companies, from the smallest to the largest, can adopt it today," said **Alessandro Chiodin of Spektra**. "*We start off with a digitalisation plan and define the objectives, which include environmental and economic sustainability.*"

"Until recently, we invested in technology to increase precision," concluded **Julius Bacchus of Ecovie**. "*Today, given the shrinking margins of building sites, digitalisation introduces criteria such as efficiency and transparency.*"

The merits of digitization were also discussed by **Andrea Bresciani, Marketing Manager with CGT** who - during the "Digital platforms for remote monitoring of efficiency" workshop explained: "*Technologies on-board machinery, in particular telemetry and remote services, have launched a new period of evolution in the construction sector, because they make using machines safer, easier and quicker. In addition, these systems provide data about productivity, use, costs and maintenance status, thereby allowing remote control of individual machines, the entire fleet or even the entire construction site. Thanks to digitization,*" he added, "*the operator and the entrepreneur can forget about machine management, because the control tower, i.e. a team of technicians based in our offices, handles this issue remotely.*"

Digitisation was also discussed by **Valentina Neri, Sales Manager at Kiwitron**, during the "Reducing on-site accidents: the best technological solutions for promoting safety" event. This meeting summed up non-selective radars, pedestrian tags to be worn in man-machine interaction areas, anti-collision devices and zoning systems using antennas to intervene on machinery and slow them down if necessary. "*A single cloud set-up means we can manage different machines by different brands,*" he said. "*Our technologies can be*

installed on all vehicles by any manufacturer to make machines smart and improve the good work of operators without interfering with their decision-making skills."

Veronafiere Press Office

Tel.: +39.045.829.82.42-83.50

E-mail: pressoffice@veronafiere.it

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