2015

TISKOVÁ ZPRÁVA

ZKUŠENOST – INOVACE – NETWORKING

INTERMAT Innovation Awards

Pod záštitou

ÚVOD

VÝVOJ STAVEBNÍCH PRACÍ SE BEZ STROJŮ NEMŮŽE OBEJÍT

Stavební stroje jsou ústředním bodem procesu výstavby. Technická dovednost francouzských podniků, které realizují veřejné zakázky ve stavebnictví, je uznávána po celém světě a není bez nich myslitelná. Schopnost našich partnerů, výrobců stavebních strojů, je důležitou osou pro záruku nejlepší výkonnosti v oblasti našich činností. **INTERMAT, k němuž se FNTP (Francouzský svaz stavebnictví) připojil již od jeho prvního ročníku, je jednou z největších mezinárodních přehlídek.**

Ať jde o neustálý vývoj výkonnosti, energetický vývoj nebo vývoj předpisů, stavební stroje jsou vystavovány trvalým výzvám. V rámci svého využití v nejrůznějších prostředí se stavební stroje čím dál tím víc přizpůsobují požadavkům na optimální bezpečnost pracovníků, rozumné využívání přírodních zdrojů, materiálů, energií a požadavkům na to, aby provoz staveniště byl lépe akceptován. V celém cyklu výstavby vstoupily stavební stroje a systémy do nové dimenze spojené s digitálními technologiemi, které jsou už každodenní součástí života našich podniků.

Podniky, které stavební stroje a zařízení využívají, a Francouzský svaz stavebnictví udržují pravidelné a trvalé styky s výrobci. Vzájemné zjišťování zájmů a potvrzení nových potřeb podporuje a posiluje politiku inovace výrobců.

Čerstvě udělené ceny za inovaci za rok 2015 jsou v řadě těch předchozích ve znamení větší rozmanitosti, ale přesto zůstávají u trvalých výzev, které podniky realizující veřejné stavební zakázky řeší: jde o respekt k lidem a k životnímu prostředí. Nicméně se objevují nové cesty inovace spojené s digitálními technologiemi, jako je správa a využívání dat a řízení procesů na stavbě.

Přijďte na INTERMAT 2015 a objevte tyto novinky!

Bruno CAVAGNÉ
prezident FNTP

KOMENTÁŘ K TRENDŮM

VŠECHNY MEZINÁRODNÍ INOVACE BUDOU NA VELETRHU INTERMAT 2015

INTERMAT byl vždy místem, které představuje inovace v odvětví strojů, vybavení a postupů pro stavebnictví a výrobu stavebních materiálů. V době ekonomického napětí je inovace více než kdy jindy nutností.

Během jednotlivých ročníků INTERMAT dokázal ocenit invenci a nejvýznamnější inovace odměnil cenou Innovation Awards.

Mezinárodní porota, jíž předsedá prezident FNTP Bruno CAVAGNE, složená z 11 odborníků odvětví, kteří zastupují uživatele strojů, zařízení a postupů ve stavebnictví, vybrala z kandidatur předložených vystavovateli na veletrhu INTERMAT 2015 vítězné produkty, které získaly cenu Innovation Awards INTERMAT 2015.

Ceny za inovaci, Innovation Awards INTERMAT 2015, jsou mimořádné z několika důvodů.

- Ceny za inovaci INTERMAT 2015 svědčí o tom, jak jsou jednotlivá odvětví, pro něž jsou stroje základními výrobními prostředky, různorodá. Při stavbě domu jde o hrubou stavbu, dokončovací práce a demolici. U veřejných zakázek o zemní práce, stavby silnic, inženýrské stavby. Oběma odvětvím dodávají své produkty lomy a výrobny prefabrikátů.

- Ceny za inovaci INTERMAT 2015 jsou obrazem mezinárodní nabídky stavebních strojů. Pokud bychom brali v úvahu státní příslušnost oceněných výrobců, došly bychom k zastoupení 6 zemí.

- Ceny za inovaci INTERMAT 2015 patří do kontextu současných témat, které podniky řeší: respekt k životnímu prostředí, respekt ke zdraví zaměstnanců, bezpečnost pracovníků na stavbách.

- Ceny za inovaci INTRERMAT 2015 jsou obohacením nabídky veletrhu INTERMAT 2015 se zvláštním zaměřením na betonářské odvětví, které je zastoupeno segmentem World of Concrete Europe, zcela novou nedílnou součástí veletrhu INTERMAT 2015.

VYČERPÁVAJÍCÍ NABÍDKA

Velký počet Cen za inovaci INTERMAT 2015 svědčí o různorodosti a o kvalitě předložených kandidatur v celkovém počtu 78, z nichž 29 bylo nominováno a 12 získalo cenu.

PRODUKTIVITA

Stavební stroje a zařízení staveništ mají umožnit realizaci staveb všeho druhu. Tím prvním, co návštěvníky veletrhu INTERMAT zajímá, je efektivita jejich použití na stavbě. Cenu za inovaci INTERMAT 2015 získaly stroje a zařízení, která zvyšují podnikům produktivitu.

BEZPEČNOST, ŽIVOTNÍ PROSTŘEDÍ

Bezpečnost zaměstnanců je téma, kterým se podniky stále zabývají.

Ochrana životního prostředí je téma, která vyvolává rostoucí zájem občanů. Čím dál tím více je běžnou součástí života podniků pracujících ve stavebnictví. Ceny za inovaci INTERMAT 2015 si ve všech případech odnesly stroje a zařízení, které svou koncepcí dbají o bezpečnost a o respekt k životnímu prostředí.

HEADLINE PRODUCTS

Wacker Neuson Group

For its compact excavators, which are extremely widespread machines in firms' and rental companies' fleets, Wacker Neuson offers a dual-power solution which can help to protect the environment. A separate mobile electro-hydraulic unit connects to the excavator's hydraulic circuit. It can operate as a substitute to the diesel drive in zones where exhaust gas emissions are prohibited. This system makes the whole vehicle very flexible in its use.

Alphi

Slab formwork has brought about the emergence of a large number of systems. **APHI** has brought out a product made of three innovative aluminium elements: modular panels, extendable primary beams and angular secondary beams, all inter-combinable – which allows the formwork to adjust to all geometric shapes. The formwork panels are set up on a solid surface, removing the risk of falling from height. Finally the system's flexibility adds, alongside productivity gains, a simplification to the management of equipment stocks, through the reduction in product listings.

MARINI-ERMONT

Mobile asphalt plants have earned their place in the road building industry. **MARINI** offers a plant with a flow range of 80 to 160 t/h, suited to small size projects but comprising innovations which can lead to reduced production costs. This continuous plant is fitted in particular with a drying and recycling counter flow tube which allows it to recycle mixes up to a rate of 50% RAP.

French regulations require that tower cranes are fitted with a crane operator lift when the operator has to work above a certain height: 60m currently, 30m in 2017. In other countries, some companies equip their cranes in this way without being obliged to. While many units attach to the outside of the crane mast, **LIEBHERR** provides an elegant response to the issue with a unit which works inside the tower section using a double rack rail and removes the need for assembly and dismantling on site. In addition, this lift works on a 48V lithium rechargeable battery which recovers the energy generated by the descent of the lift, representing approximately 40% of the equipment's consumption. It can also be retrofitted to the brand's existing cranes.

Quick couplers have become widespread on earthmoving and handling equipment increasing their flexibility by facilitating the attachment of accessories such as buckets, forks, etc. However they can also cause accidents due to accessories falling off. **MECALAC,** one of the pioneers in the area, offers a quick coupler which eliminates this danger. The equipment is fitted with ears – allowing it to be handled from two directions – whose shape requires that the accessory be on the ground in order to be released. It is therefore no longer possible for tools to fall off, even if the hydraulic coupling is disconnected either voluntarily or accidentally.

The telescopic boom is very popular in both construction and agriculture. But this mobile equipment, when bearing a load, can be liable to overturn. Manufacturers have already solved the problem of forward overturn. **MERLO** has designed a monitoring system for lateral overturn, which it has integrated into the monitoring of the overall stability of the machine. An electronic terminal reads the data transmitted by on-board sensors and displays information to the operator on the machine's stability in all directions. It gives warning of dangerous situations, and if necessary, blocks any movement which might further increase the danger.

Dismantling has taken over from demolition. Through the necessity of sorting rubble for recycling purposes, the accessories of hydraulic excavators often have to carry out meticulous movements, at height and at the end of a long reach. As a result, instability could occur and go as far as causing an accident. **LIEBHERR** has designed a system which informs the operator in real time the position of the demolition equipment to centimetre accuracy. This system uses the data transmitted by angle sensors and automatic recognition of the length of the excavator's attachments, combined with the type of accessory and its weight entered into the machine's electronics. The operator is thus able to work within a safety zone displayed on a screen.

A single piece of software collating topographical survey data, boundary marking, verification, geo-localised utilities detection, the location of road or civil engineering projects, all on a single interface, is what **ATLOG** has succeeded in offering. This instrument used is a hardened tablet, connected by Bluetooth to GPS surveying equipment, total stations, etc. The surveyor thus benefits from real-time visibility, for example on an AutoCAD plan, of the density of points plotted, zones requiring densification and instantaneous cubic volume calculations.

Up to now it was not possible to carry out contact-free measurement of aggregate granulometry on a conveyor, for example when leaving a screening system. The product designed by **AUTOM'ELEC** uses optical triangulation by deploying a laser module, a video camera and a software solution. The outcome is a statistical modelling of material size, their distribution and their movement. It is a tool to assist the set-up and adjustment of materials processing plants and production certification.

Pouring concrete on site is an operation which must be planned ahead, for economic reasons but also to optimise transport and storage zones on the work site. Aimed at building contractors, the software designed by **TEKLA** makes it possible to design, estimate, manage and plan all types of project. It uses an intuitive 3G BIM (Building information modelling) type model, but it can also import architecture models. It allows for the sorting and extraction of quantities required for the project. Carrying Windows certification, it is also multi-user.

Waste water from concrete batching plants may contain chromium VI, a hazardous heavy metal. **MS** offers a simple system which introduces a dose of reagent that is not harmful to either health or the environment. It reduces chromium VI to chromium III through the addition of an ascorbic acid based solution and fine filtration to recover a suspension. This system comes in the form of a preassembled and pre-cabled skid, easy to transport from one site to the next.

Floor slab shuttering is an important part of concrete application. **BRIDGEND EXTRUSION** offers a system using screed rails made from extruded uPVC, with pre-drilled holes for dowel bars, assembled using adaptable joint clips. As the rail structure is hollow, concrete can be poured both sides. The removable top strip achieves clean dry sealant lines. Lightweight and easy to set up, these rails are resistant enough to support the use of vibrating twin beams. They can be installed by untrained personnel. They are made from landfill-diverted PVC windows.

PREZENTACE SOUTĚŽE

Ceny INTERMAT Innovation Awards jsou ve stavebnictví nespornou značkou a jejich 6. ročník oceňuje výkony výrobců zařízení a strojů.

CÍLE

INTERMAT Innovation Awards 2015 jsou opravdovou výkladní skříní celosvětových inovací a oceňují úsilí, které podniky věnují výzkumu a vývoji v oblasti stavebních strojů a postupů.
Do soutěže se mohou přihlásit pouze vystavovatelé na veletrhu INTERMAT a přihlášené produkty mezi sebou soutěží v 5 kategoriích:

- Těžba surovin a recyklace Stavební stroje
- Zařízení a příslušenství
- Inženýrství a systémy
- Digitální aplikace

Vybrané produkty musí představovat nejen inovaci nebo originální zlepšení, ale musí přinášet významný pokrok do technické koncepce a používaných technologií, nebo představovat další krok vpřed v úsporách, v provozu, užití nebo udržitelném rozvoji. Musí také splňovat požadavky francouzských a evropských platných předpisů a norem.

V každé kategorii mohou být uděleny 3 trofeje: zlatá, stříbrná a bronzová.

Kromě toho mohou být uděleny také 2 zvláštní ceny bez ohledu na kategorii: Cena za udržitelný rozvoj a Cena World of Concrete Europe.

NOVINKY ROKU 2015

- Nové složení evropské poroty za účasti "uživatelů" a zástupců aplikovaného výzkumu a vzdělávání.
- Kategorie vyjadřující životní cyklus vzniku stavby.
- Vytvoření zvláštní ceny „World od Concrete Europe" v rámci uvedení World of Concrete Europe, nové součásti veletrhu, která bez ohledu na kategorie ocení jeden stroj, jedno zařízení, jedno inovativní řešení nebo aplikaci.

POROTA A HODNOCENÍ KANDIDATUR

K hodnocení kandidatur vystavovatelů se organizátoři soutěže obrátili na porotu složenou z evropských odborníků z výzkumu a z průmyslu.

Při prvním jednání vybere užší komise produkty, které budou zařazeny do soutěže, a rozdělí jejich dokumentaci mezi jednotlivé členy podle jejich specializace. Při druhém jednání posoudí porota v plné sestavě jednotlivé kandidatury. Při třetím a posledním jednání porota diskutuje a rozhoduje o udělení zlaté, stříbrné a bronzové trofeje a zvláštních cen za „Udržitelný rozvoj" a „World of Concrete Europe".

Porota si vyhrazuje právo neudělit medaili v některé kategorii, pokud se domnívá, že v ní není žádný inovativní produkt, a naopak se může rozhodnout, že udělí zvláštní medaili produktu, který označí za „Srdeční záležitost".

VYHLÁŠENÍ VÝSLEDKŮ A PŘEDÁVÁNÍ CEN

Oficiální vyhlášení vítězů a předání cen se uskuteční 3 měsíce před konáním veletrhu INTERMAT u příležitosti gala večeře, která se koná 22. ledna 2015 v budově Maison de la Mutualité.

THE JUDGES

CHAIRMAN OF THE JUDGING PANEL

Bruno CAVAGNÉ, FNTP

VICE-CHAIRMAN OF THE JUDGING PANEL

Michel LALLEMENT, FNTP

SELECT COMMITTEE

Jean-Michel BORDES, Eiffage Construction
Michel DUCASSE, Eurovia
Pascal LEMOINE, FNTP
Béric SCALABRE, Bouygues Construction
Jean-Philippe THEURIOT, Loxam

JUDGES

Jean-Michel BORDES, Eiffage Construction
Ricardo CORTÉS, SEOPAN
Michel DUCASSE, Eurovia
Robert HARPER, Ashtead Plant Hire Company Ltd
Michel LALLEMENT, FNTP
Pascal LEMOINE, FNTP
Ralf LUDDEMANN, BMTI / Strabag Züblin
Pierre PIROTTON, Galère SA
Massimiliano RUGGERI, IMAMOTER
Béric SCALABRE, Bouygues Construction
Jean-Philippe **THEURIOT,** Loxam

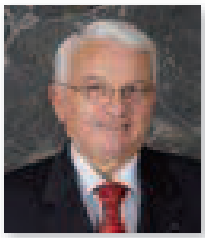
MEET THE JUDGES AND EXPERTS

Bruno CAVAGNE (France)

President of the FNTP (French Civil Engineering Federation)

Bruno CAVAGNE (France) President of the FNTP (French Civil Engineering Federation)
The business career of Bruno Cavagné, chairman of the French national public works federation FNTP, can be summed up in two words, Delegation and Diversification, which appear regularly in the life history of this business leader born in Toulouse.
Diversification in driving the development of the Giesper group, founded by his grandfather Georges Giesper in 1932. When his father and his brother both died tragically, he was propelled to the top of the public works firm, in the throes of the crisis that hit the industry in the early 1990s. At this point he was merely 27 years old, yet he was to spearhead the development of the group by conquering new markets located way beyond its home region of Midi-Pyrénées in the south west of France.
The family-run building firm is today a diversified group which is active in civil engineering, utility network construction, structural building, painting, waste management, real estate and hotels.
Delegation of responsibility. As a man keen on exchange and encounters, Bruno Cavagné has committed himself fully to the world of work and his business by respecting these principles: firstly at Toulouse in the FRTP (chairman from 2008 to June 2013) and the city's chamber of commerce and industry (chairman of the public procurement committee from 1997 to 2009); board member at Canalisateurs de France (utility network builders) then at FNTP and Syndicat de France. As a member of the bureaux from 2007 onwards then vice chairman in 2012-2013, he was subsequently elected Chairman of FNTP in September 2013. He is also a board member at SMAVie and CNETP.

With an attentive eye on the declining competitiveness of French Public Works contractors, Bruno Cavagné's aim is to spur the public authorities into facing up to their responsibilities and convince them of the necessity of rekindling investment whilst encouraging them to explore new and ground-breaking solutions.



Michel LALLEMENT (France)

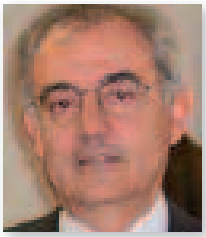
President of the Equipment Division - FNTP
President of the French Trade Association for Earthwork Contractors
President the French Association of Underground Works Contractors
Member of the Board at RAZEL SAS
Member of the Board at FNTP

Michel Lallement, a Member of the Board at both the French Public Works Trade Association and the FNTP, has spent most of his career at RAZEL where he held the position of Chairman of the Board from 2002 to 2008. Since the FAYAT group took over RAZEL in 2008 he has remained on the Board. He is also President of the French Trade Association for Earthwork Contractors (SEPTF), the French Association of Underground Works Professionals (SPETSF), the Marine and Earthworks Association (UMTM), and is President of the Equipment Division of FNTP.

Jean-Michel BORDES (France)

Equipment Manager, EIFFAGE Construction Equipment
Member of the FNTP Lifting Committee.

30 years' experience in the Equipment Division at Eiffage Construction. Working with Liebherr, in 2003 he set up a remote interrogation system to optimise the breakdown repair and maintenance of tower cranes.
In 2004, the deployment of RFID on the components in tower cranes made them traceable, and this benefit was to form the subject of an agreement between the FNTP, Vinci, Bouygues, Eiffage, Liebherr and Potain in 2008.Currently in charge of investment and the deployment of equipment policy in the construction division of Eiffage, he is also responsible for coordinating study groups on a broad spectrum of equipment topics (workstations, new technologies, integrated safety etc.).



Ricardo CORTÉS (Spain)

SEOPAN - Technical Director

Industrial Engineer
Technical Director of SEOPAN (Asociación de Empresas Constructoras y Concesionarias de Infraestructuras).
Secretary General of Fundación Plataforma Tecnológica Española de la Construcción (Research, Development and innovation in Construction)
Chairman of the Innovation judging panel at SMOPYC (Salon Maquinaria Obras Públicas y Construcción)
Chairman of the new product and service judging panel for POTENCIA awards (Construction machinery).

Michel DUCASSE (France)

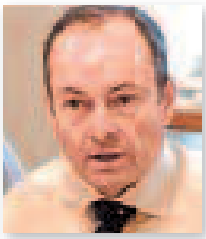
Director of RDI (Research, Development and Innovation) of Eurovia, the Road section of VINCI.

Michel DUCASSE (France) Director of RDI (Research, Development and Innovation) of Eurovia, the Road section of VINCI.
Previously Director of the Technical Resources (2008), after being Corporate Investment and Equipment Director at the Eurovia head office (1997), Michel Ducasse was also Equipment Director for the South West and West and Centre subsidiaries of the company, which he joined in 1976 as Equipment Engineer.
Michel Ducasse, 61, is an Arts et Métiers engineer (Bo 71) and CPA (1998).

Robert HARPER (England)

ASHTEAD PLANT HIRE COMPANY LTD - Training Director

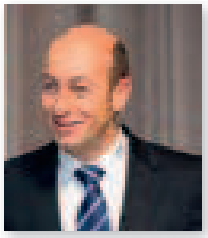
Having worked for Ashtead Plant Hire for over 28 years, both in Operational and Support roles, I have gained an extensive knowledge of the equipment within our industry and its huge and important evolution.
As a training professional, I am actively engaged with competence and up skilling initiatives both within my own organisation and through my involvement with industry/training bodies within the UK. Heading up the A Plant Apprenticeship and Employee up skilling programmes, I regularly liaise with colleges and manufacturers regarding equipment training.
I am hugely excited to be a part of the INTERMAT Innovation awards judging panel. I am always amazed at how fast and innovative the equipment manufacturers are progressing to meet the demands of the end user.



Pascal LEMOINE (France)

FNTP - Technical and Research Director

A qualified Arts et Métiers Engineer and Technical and Research Director, Pascal Lemoine is responsible for engineering, equipment and collective research in the Technical and Innovation Committee at FNTP.
He regards the promotion of innovation as vital to the competitiveness of businesses.
For several years, working with various stakeholders – construction companies in particular – he has helped make his members' equipment needs known.



Ralf-Hermann LUDDEMANN (Germany)

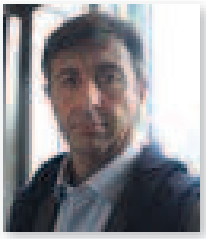
Director, BMTI / STRABAG ZUBLIN

- Studies: Diploma in Business Administration, MBA in International Business Consulting.
- Career: Controller in a medium size construction company (civil engineering), Financial Controller in an IT Startup (construction platform), Commercial Manager BMTI GmbH, Köln – Service Company of STRABAG AG, Central Business Unit Manager of BMTI Int., Service Company of STRABAG SE and ZÜBLIN.
- Innovation: interested in innovation projects, in apshalt (production and casting), in telematik systems.
- Participation in jury:
  -as central business unit manager in STRABAG SE / ZÜBLIN : networking with other decision makers in the field of innovation project in connection with construction equipment
  -as chairman of the committee for construction equipment in the german association of the construction industry (Geräteausschuss, Hauptverband der Deutschen Bauindustrie) EUROLISTE / BGL (classification of construction equipment).

Pierre PIROTTON (Belgium)

GALERE SA – Technical Director

With a Construction Civil Engineering degree from Liege University (Belgium), I started my career at SECO, a technical inspection body for construction, as project engineer. In Belgium, technical inspections take place at the initiative of the builder(s), and are the prerequisite for inherent defect insurance relating to the structure inspected. For more than 10 years, I was in charge of the inspection of a wide range of project designs in civil engineering and buildings, thus allowing me to develop my experience in foundation calculation, modelling and calculation of concrete, mixed material and wood structures and in full knowledge of the construction materials in their applications.
Around three years ago I joined the firm Galère, the Wallonia construction market leader, as technical director. This position allows me to leverage my experience to provide support to the company in designing, planning and delivering its civil engineering and building projects, from proposal stage through to acceptance. With the current economic climate, we are facing complex projects to be completed in challenging timeframes and environments in particular. To remain competitive, we at Galère are always required to be inventive and occasionally audacious, and up-to-date on the market's latest technical developments.
In this respect, INTERMAT and in particular being a judge on a panel that rewards innovations, offers a good opportunity to learn about the current technical breakthroughs in the construction sector which Galère has to seize on.



Massimiliano RUGGERI (Italy)

IMAMOTER – Technical Director

My course of study includes an MSC in Electronic Engineering, and a PhD in Management Engineering; I had an experience in Industry as electronic system designer for automotive systems and engine control systems, where I gained my experience on power management.
My job in CNR, started in 2001, my research interests are related to electronic system control of heavy duty machines, both for transmissions and for components hydraulic systems and for electro-mechanical systems and electric motors.
I also am involved in studies related to autonomous machines and in machine cluster control and, in general on distributed control systems.
I also hold the Microprocessor Systems and Computer System Design courses at the Electronic Engineering faculty of Ferrara University in Italy.
I'm glad to participate in Intermat as a judge for the Innovation Awards and I hope to contribute to choose the most promising technologies and solutions for a better world.

Béric SCALABRE (France)

BOUYGUES CONSTRUCTION - Central Equipment Director

Head of Bouygues Construction Equipment.
"Innovation is part of the service and added value that our organisation contributes. This is all the more critical in view of the significant changes observed in recent years in the regulatory environment and the consideration of health, safety and ergonomic factors."

Jean-Philippe THEURIOT (France)

LOXAM - Equipment Director

"With a mechanical engineering background, I have always been interested in technical innovation, particularly when it contributes to ergonomics and to equipment and user safety. Playing an active role in this judging panel gives me the chance to get up-to-date with all the latest new features that manufacturers wish to highlight, and it is additionally an interesting moment of exchange with our professions."