

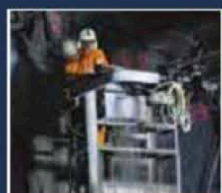


WORLD HIGHWAYS

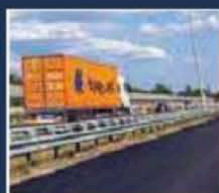
ROUTES DU MONDE

Bridges:

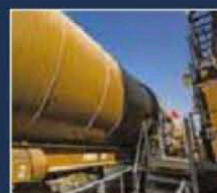
New bridge projects p53



Key project:
Island links for
Norway p18



Highway & safety:
Weigh-in-motion p24



Asphalt plants:
Reducing
emissions p44

RMD's focus on Locus

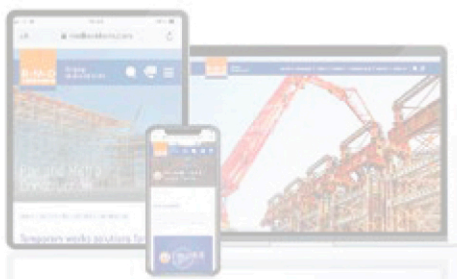
RMD Kwikform has launched LocusHUB, a digital solution centre that acts as a one-stop hub for all the company's digital innovations and resources.

RMD Kwikform's digital assets include apps, product videos, CAD resources and technical data. LocusHUB offers users an evolving library of digital tools to help optimise working processes and improve productivity levels.

For example, during the design phase, digital construction can help reduce revisions, eliminate redundant conversations between parties and ensure any errors are quickly identified. It can also help improve safety standards and ensure better workforce planning.

Tools on LocusHUB include LocusEye, RMD Kwikform's 3D visualisation software which offers interactive 3D models of temporary work schemes. RMD said it will provide a vital means of viewing and interrogating a temporary works solution during the pre-tender or build phases of a project.

LocusEye reduces onsite risks, as any potential issues can be quickly seen. Available to download as an app, it helps project teams



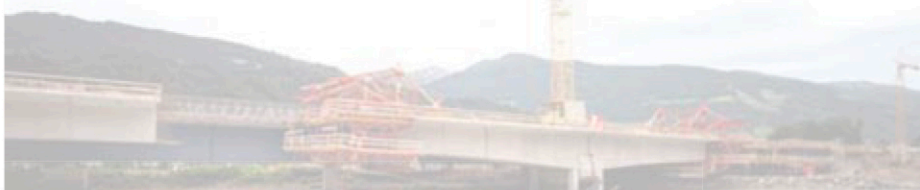
understand the challenges of a temporary works scheme in greater detail than ever before, explained Matt Wiseman, divisional digital innovation manager at RMD Kwikform.

RMD's entire catalogue of material handling and guidance notes for its products is stored on LocusHUB, too. Particularly with social distancing guidelines still needing to be followed on construction sites, the material handling guides can help illustrate to users how to best assemble, manoeuvre and dismantle equipment ahead of delivery, to ensure site operatives always stay in line with social distancing measures. ■

PERI and LocusHUB

<https://locushub.rmdkwikform.com>

Innovation from PERI: the 235m Terfener Innbrücke over the Inn River in Austria's Tyrolian Inntal Valley (photo: Günther Bayerl)



Top 100 form for PERI

PERI, a global manufacturer of formwork and scaffolding systems, has been awarded "Top Innovator 2021" in Germany's TOP 100 innovation competition.

TOP 100 is the only competition in Germany that examines and awards companies' innovation management. The award recognises not only the quality of a company's new products and services but also the future viability of the business, said Thomas Imbacher, managing director of PERI's innovation and marketing. "Innovation power is part of... our culture and our entrepreneurial DNA. For us,

inventiveness and creativity are always the basis to make our customers more successful."

PERI's internal think tank, a team is dedicated to potential customer needs, disruptive technologies and the associated possibilities and opportunities for the company. This innovation approach, based on future scenarios, resulted in the successful industrialisation of 3D construction printing technology in 2020 and the successful 3D printing of the first two residential buildings in Germany.

The scientific director of the TOP 100 competition is

Prof. Dr. Nikolaus Franke, founder and director of the Institute for Entrepreneurship and Innovation at the Vienna University of Economics and Business. The project partners are the Fraunhofer Society and the German Association for Small and Medium-sized Businesses BVMW.

PERI, a family-owned business, is based in Weissenhorn, Germany, and has more than 9,500 employees, more than 60 subsidiaries and well over 160 warehouse locations worldwide.

PERI

www.peri.com

Soilmec

Soilmec's SM-11 is a medium sized drilling rig launched this year as part of its SM fleet of rigs for micropile and tieback applications.

Soilmec says that the SM-11 has a very high feeding force and its compact design makes it ideal for limited-access jobsites. It can be easily configured in different single rotary fittings, double rotary and top-hammer to carry out consolidation, micropiles and anchors with different drilling technologies.

With an operating weight of 11 tonnes the rig is assembled on steel crawler track with $\pm 10^\circ$ tilting gauge complete with two ground stabilisers fixed on the rear to give added stability on any soil formation. The rig can be fitted with a fixed-type undercarriage with two ground stabilisers pivoting on the front and two fixed on the rear.

At the heart of the SM-11 lies a Cummins F 3.8 diesel engine that generates 115kW for high performance and low emissions in addition to easy maintenance. The engine is equipped with a low-idle system that automatically adjusts the speed according to the job's requirements. The decision to fit the SM-11 with a large diesel engine allows the drilling rig to use the largest double head and top hammer configurations. The hydraulic flow is managed by the full-load sensing control system which helps reduce operating costs and increases the life of components by managing the power demand. The SM-11 combines the front of the wall joint and telescopic boom kinematics which allow the machine to drill on the side of the tracks and reach confined spaces easily and rapidly.

The SM-11 comes with hydraulic openable cages, additional trip-wire devices, emergency stop buttons and ROM and SPM operation modes to ensure the highest level of accessibility, visibility, and safety in compliance with the latest international standards. The rig can be set with the new carousel loading system capable of handling up to five rods.

Soilmec

www.soilmec.com



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