



SMT has proudly worked on many projects with Soprema, providing “Digiscan” quality assurance scans and ongoing “Building Intelli” roof integrity monitoring. Over the years we have collaborated on 200+ Green Roof/PMR/Waterproofing Projects (art galleries, archives, mass timber buildings), 50+ Conventional Roofs Automated Monitoring, (data centres, university, healthcare), and multiple research papers.



SMT’s Digiscan 360 is a handheld electronic leak detection instrument that finds more leaks than any other device. Scanning 60,000 sq ft of roof at Parq Casino, we found 1453 damages to the membrane, caused by other construction trades.

The soon-to-be-released Digiscan V2 allows users to log the make and manufacturer of the membrane they are scanning - creating invaluable business data related to how membranes are performing in the real world.

“I can sleep at night on this project - because I know the membrane will be scanned prior to being covered... Otherwise I’d have to watch what all these other guys are doing to ‘my’ membrane.”

- Daryle, Flynn Site Foreman



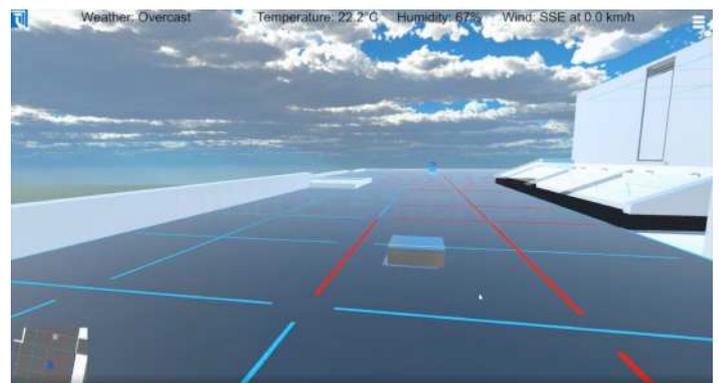
Building Intelli allows for completely centralised performance monitoring across multiple projects. Easily integrated into building management systems, Building Intelli track the vital signs of your project, mitigating the risk on valuable projects.

Case Study: Soprema installed conventional roofs at Manitoba’s Red River College in 2017 and 2020. SMT has installed a Building Intelli active moisture monitoring in the roofing assembly of both projects.

As a roof hatch was being relocated, a thunderstorm passed over the construction site and water was allowed to ingress into the roofing assembly.

SMT’s moisture monitoring system not only pointed out where the moisture intrusion first occurred - but also areas that remain intact and dry – not bringing into question the integrity of the entire roof system.

Similarly when innovative light pipes / skylights were utilized in the construction, water was found under the roof on the the interior side of building – SMT was able to confirm the roof was not leaking, and that condensation from the skylights was the cause.



Pictured: Virtual Reality Visualization of Live Roof Moisture Content

By including an SMT System on the project, the roof and walls become assets which through monitoring and targeted maintenance can reduce the number renewal cycles. The restoration team saved time and money as SMT was able to point them directly to the problem area, and confirm if dry-out strategies of the conventional roof were being effective. Soprema: savings on what could have been a very costly re-roofing project on a new construction project, their great reputation is preserved, lessons learned as to how the assembly was initially damaged, and valuable data on the process of drying out the roof. Ultimately, peace of mind that a their project was never out of their control thanks to SMT’s “eyes on the ground”.