



Ronald Strasser
Founder
Strasser Safety
Systems GmbH
www.safety.at

■ Established in Austria in 1992, Strasser Safety Systems GmbH is your specialist for personal protective equipment against falls, ascent and descent devices, anchor devices and nets of all kinds. In our activities, which not only focus on sales, but also on the areas of development and improvement, training and services such as instruction, assembly and inspection, we work very closely with the leading manufacturers and our partners.

Diadem®'s Safety Solution for Green Roofs

■ Ronald, your project in Bruck involved a hospital where the roofs had to meet updated safety standards. What details of your experience on the project can you share with us?

Ronald: This was a very challenging project. In 2015 the Austrian government introduced new regulations for rooftop safety systems. All owners and facilities managers are required to bring their properties into compliance with the new regulations.

■ How are the new Austrian regulations different from previous regulations?

R: The new regulations require that all commercial roofs, regardless of function, must have a rooftop fall-protection safety system installed to keep visitors and workers safe. Plus, all rooftop fall-protection systems must be inspected at least once a year to ensure the systems are functioning as designed.

■ Wasn't that always the case?

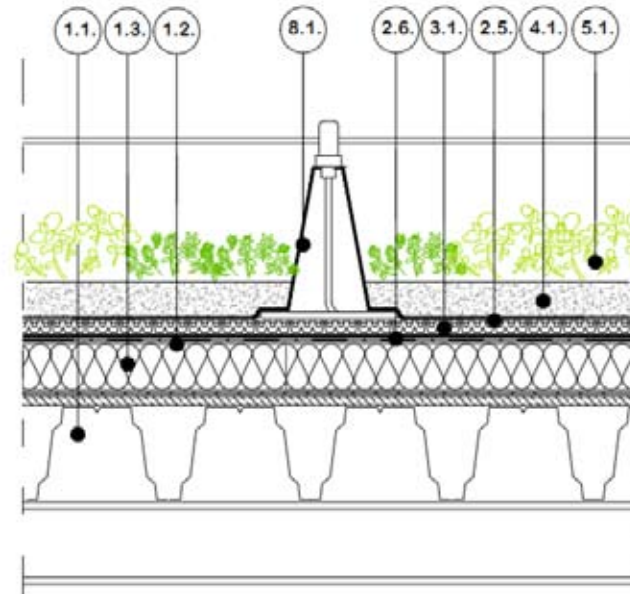
R: Previously, the definition of what constituted a "safe environment" wasn't clear. The new regulation clarifies what type of safety system is required, as well as what level of certification the system needs to achieve. This was our first project challenge; the existing anchor points were old and the certification level of the system was insufficient. The second challenge was the extremely high cost of re-engineering the existing system to make it compliant with the new regulations. The final challenge was finding a creative way to successfully penetrate the roof and reseal the new anchor points. The overall project posed many challenges, but fortunately we already were familiar with the Diasafe system. The unique benefits of a self-ballasted safety system solved most of the problems.

■ How did Diasafe solve your problems?

R: The engineering for the Diasafe system is limited to the safety-line system only because the structure and the safety system are certified separately. The existing rock ballast on the building met the minimum 16 1/2 lbs. per sq. ft. required to ballast the Diasafe system, so little engineering was needed. Since Diasafe is a non-penetrating safety system, it offers significant cost-savings advantages and minimizes complexity.

■ How did you learn about the Diasafe system?

R: I was aware of Diadem and Diasafe from other projects. I knew it was the ideal safety solution for existing gravel ballasted roofs.



DIADEM®'s fall-protection system is the first greenroof-ballasted solution used in North America. The company administers its own program of education and inspector certification. System layouts, specifications, and installation instructions are prepared by DIADEM®'s engineers for each project.

Legend:

- 1.1 Corrugated sheet metal deck
- 1.2 Waterproof membrane
- 1.3 Thermal insulation
- 2.5 Filter layer
- 2.6 Protection layer
- 3.1 Retention board
- 4.1 Ballast, growing media
- 5.1 Vegetation
- 8.1 DiaSAFE fall protection post

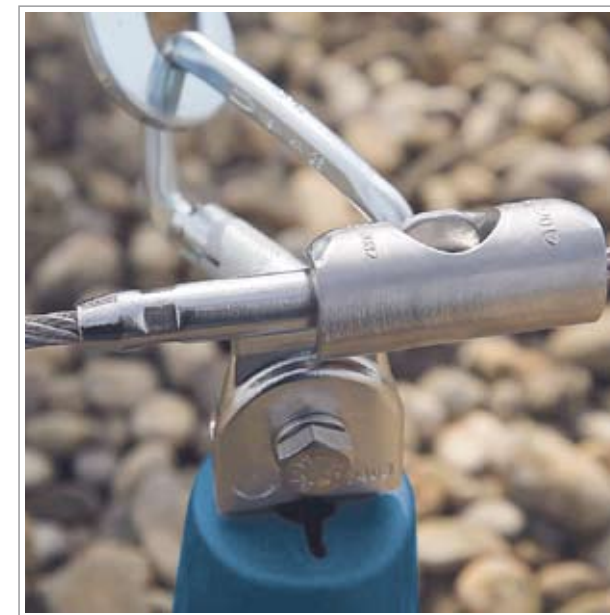
■ Who engineered and designed the Diasafe system?

R: A key benefit of the Diasafe system is that Diadem's engineering team is responsible for creating the design and preparing the detailed construction documents. Diasafe is certified by CE and EN795/12, so we had no liability concerns.

■ How did the installation go?

R: We chose EW-Absturz GmbH as project contractor; it has been a certified Diasafe installer since 2010, and it previously installed the Diasafe system on numerous projects. Given EW-Absturz GmbH's experience with Diasafe and knowledge of its ease of use, we were completely confident in the system's installation.

■ Thank you Ronald, and congratulations.



■ To learn how to apply DiaSafe® in the US, please call 503-894-5187 or send an email to info@diademusa.com or click to: diademusa.com.

