

ScreenWay

From the Cretaceous period to real-time interaction

The digital renaissance of the classroom - How networked communication is transforming education

T. Engl

24. Februar 2026



In the current debate about the digital transformation of the education sector, people often argue about the hardware of the future, while the crucial issue of communication often remains in the background. However, anyone entering the corridors of a modern school or university today quickly realizes that the days of yellowed notices and static display cases have finally come to an end. A digital renaissance is taking place in which systems such as ScreenWay are taking on the central role of a nervous system. This is about far more than simply displaying content; it is about creating an intelligent information infrastructure that makes schools and campuses safer, more efficient and ultimately simplifies everything.

The foundation of this revolution is a new form of operational intelligence. Where school administrators used to fight against a flood of notices, signs and slips of paper with manual corrections, digitalization now ensures automated real-time synchronization. Thanks to deep integration into existing timetable software, room changes or substitution plans flow directly onto the displays without any loss of time. This transformation from a static hollow paperwork to a dynamic flow of information not only relieves the secretaries' offices massively, but also gives teachers and pupils back their most valuable asset: time for educational work.

But the relevance of this technology is most evident in moments when every second counts. As part of the duty of care, ScreenWay acts as a highly visible visual safety net. In an emergency, each monitor transforms into a coordinated guidance system within milliseconds, providing clear instructions where audible announcements would be lost in the noise of the break. This aspect of visual alerting is also a decisive milestone for inclusion in practice, as it also offers people with hearing impairments maximum orientation and protection at all times.

From a pedagogical point of view, ScreenWay breaks down the walls of traditional frontal teaching by turning the smartphone from a disruptive factor into a productive ally. QR codes and interactive web interfaces create a lively dialog between the display and the students' mobile devices. Whether it is the direct downloading of work materials, participation in anonymous real-time queries or mirroring their own solution approaches from the tablet to the digital board - the technology promotes active participation and media skills at eye level with the reality of the learners' lives.

This concept is rounded off by a consistent economic and ecological rationale. ScreenWay makes the path to the "paperless campus" a measurable reality, as printing costs and paper waste are drastically reduced. At the same time, the system ensures optimum utilization of the hardware: During breaks, classroom blackboards become info points for cafeteria schedules or school news, maximizing the return on investment of each individual purchase. Ultimately, an institution equipped in this way signals innovative strength and appreciation towards its community. ScreenWay makes successes visible, strengthens the campus spirit and creates an environment in which information no longer has to be searched for, but flows intelligently.