

SOLUTIONS FOR SMART CLASSROOM

At the joint initiative of Croatian Academic and Research Network - CARNet, the Ministry of Science and Education and STORM Grupa and its partners, students from primary and secondary school got a new dimension of education through the use of multimedia and Internet with the aim in providing the best quality of education.

The concept of smart classroom is based on the implementation and integration of advanced hardware and software technologies in the classical school classroom with the aim of improving teaching. Solution allows you to perform interactive teaching, the use of teaching tools in electronic format, the implementation of dynamic tests and knowledge quizzes, monitoring of individual students' activities, collection and analysis of activities and exam results, mutual communication between teachers and students and the possibility of integration with eDiary, web application for managing the schools.



STORM Grupa solutions for smart classroom

According to initiative of Croatian Academic and Research Network - CARNet and with close cooperation with STORM Grupa and its partners, there has been achieved a big step towards the future of education, where education process is performed through the system of smart classrooms with the use of multimedia and Internet and with the aim of improving the quality of learning. System is primarily intended for middle school and high school students. Allows teachers real-time sharing of information, notes from lectures and immediate insight into students' understanding of lessons. They can share content on the interactive, smart whiteboard and along with a few "clicks" send the content to students' tablets. Students and teachers can take notes, underline key information or draw on both devices: tablets and whiteboard. Teachers can quickly check whether students understand the lecture with short knowledge quizzes, surveys and discussion.

The vision of the project is to get as possible more schools to become an innovative participant in shaping the future of learning, get the new experience of teaching and encourage teachers and students to become more involved in creating a new dimension of education in which technology enables individualized tools that provide better access to students and prepare young people to enter the world of extreme competitiveness and challenging labor market.

STORM Grupa provides optimal integration of existing and new information and communication technology with learning materials and learning process.

Basic components of smart classroom:

- » Software for management of classroom and learning materials
- » Computer equipment for teaching (tablets, notebook, standard computers, thin clients)
- » Video-projection equipment (projectors, smart boards)
- » Videoconferencing equipment
- » Infrastructure - wired and wireless network
- » Mobile device management software
- » Learning material

Smart classroom is a solution that within education curriculum, includes the new and innovative way of teaching process and lectures by implementation of modern information communication technologies with the aim:

- » To increase innovation and collaboration in teaching process
- » To ensure better communication between teachers and students
- » To raise the overall efficiency of learning

Architecture of smart classroom

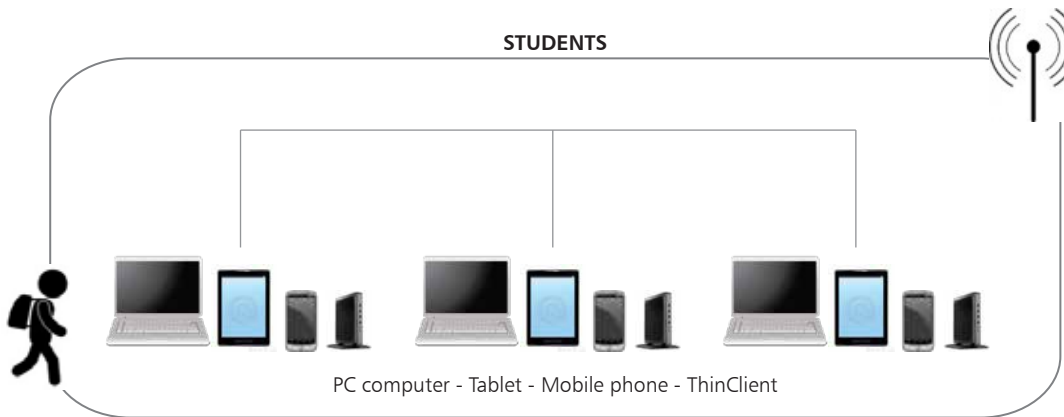
SERVER



TEACHER



STUDENTS



E-BOARD



VIDEO-CONFERENCE



New values in teaching



Creation of knowledge

Teachers' materials, notes, presentations,...



Sharing

Knowledge quizzes, exams, homework, group projects with screen sharing of content.



Communication

Communication with students, either one student or group of students.



Saving

Access to database of documents from any computer connected to the Internet.



Administration

Device management from anywhere, simplifies IT administration.



- » Collaborative environment
- » Supervision of students' activities and progress
- » Creation of interactive teaching plans with mutual, shared content
- » Creation and launching of knowledge quizzes, tests or surveys in real-time and insight in students' results
- » Possibility of teaching, monitoring and communication with students either individually, with small groups or the whole classroom
- » More efficient management and control over the classroom
- » Secure and simple IT support to teachers



- » Creativity, collaboration and application of critical thinking
- » Easy access to the learning material base, exams and presentations
- » Easier communication with the teacher without disturbing others in the classroom
- » Personalized feedback
- » Digital competence



References

- Elementary school "Generalski stol", Generalski stol
- Elementary school "Ljubo Babić", Jastrebarsko
- Branch school "Desinec", Jastrebarsko
- Branch school "Petrovina", Jastrebarsko
- Branch school "Plešivica", Jastrebarsko
- Branch school "Volavje", Jastrebarsko
- Branch school "Čeglje", Jastrebarsko
- Elementary school "dr. F. Tuđman", Šarengrad
- Branch school "Bapska", Bapska
- Branch school "Mohovo", Šarengrad
- Elementary school "Šećerana", Beli Manastir
- Branch school "Baranjsko Petrovo Selo", Baranjsko Petrovo Selo
- Branch school "Luč", Beli Manastir
- Branch school "Torjanci", Baranjsko Petrovo Selo
- Elementary school "Žakanje", Žakanje
- Branch school "Kamanje", Kamanje
- Branch school "Ribnik", Ribnik
- Elementary school "M. Martinolića", Mali Lošinj
- Branch school "Ilovik", Ilovik
- Branch school "Susak", Susak
- Branch school "Unije", Unije
- Branch school "Nerezine", Nerezine
- Branch school "Veli Lošinj", Veli Lošinj
- Elementary school "Brodarica", Šibenik-Brodarica
- Branch school "Krapanj", Šibenik-Brodarica
- Elementary school "Stjepana Radića", Brestovec Orehovički
- Branch school "Orehovica", Orehovica
- Elementary school "Antuna i Stjepana Radića", Gunja
- High school "Fran Galović", Koprivnica
- Elementary school "Rikard Katalinić Jeretov", Opatija
- Technical school "Ruđer Bošković", Zagreb
- Elementary school "Pećine", Rijeka
- Elementary school "Kajzerica", Zagreb
- High school "Kajzerica", Zagreb
- II. elementary school Bjelovar, Bjelovar
- IX. high school, Zagreb
- Elementary school "Kamešnica", Sinj-Otok

We integrate the best
technology solutions



STORM Grupa

HR-10 000 Zagreb

Savica I. 127

T: + 385 1 2352 200

F: + 385 1 2352 299

info@stormgrupa.hr