

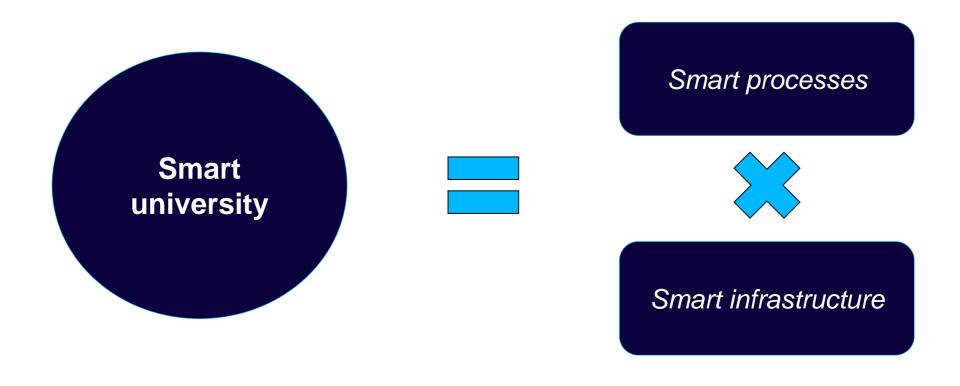
Forum on "Smart sustainable cities: technological trends, success stories and future prospects" Minsk, Belarus, 26-27 February 2019

Smart Universities are the basis for the development of sustainable cities

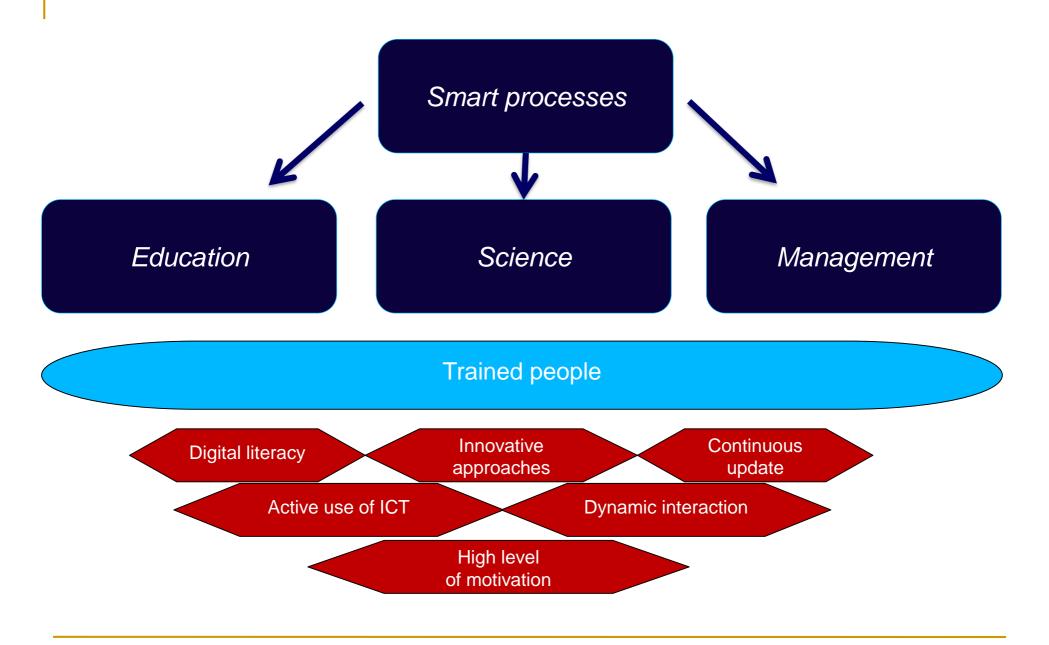
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Smart University: definition and two main components

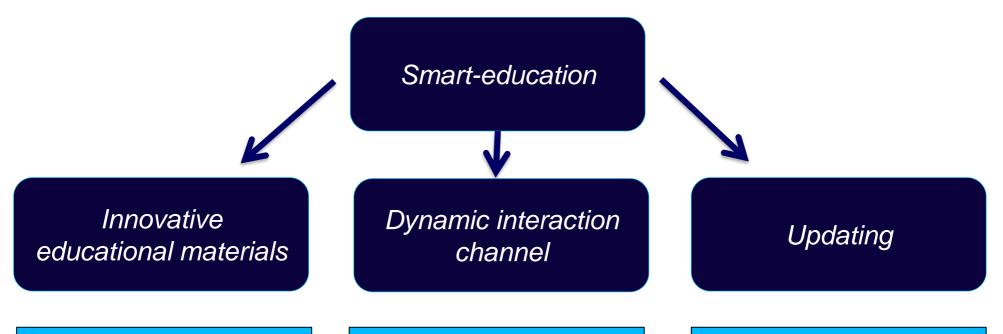
Smart University is a university in which the combination of <u>technology innovations</u> and the Internet by <u>trained people</u> leads to a new quality of the processes and results of an educational, research, commercial, social and other activity of the university (*SMART RUSSIA 2015*).



Smart processes at the heart of Smart University



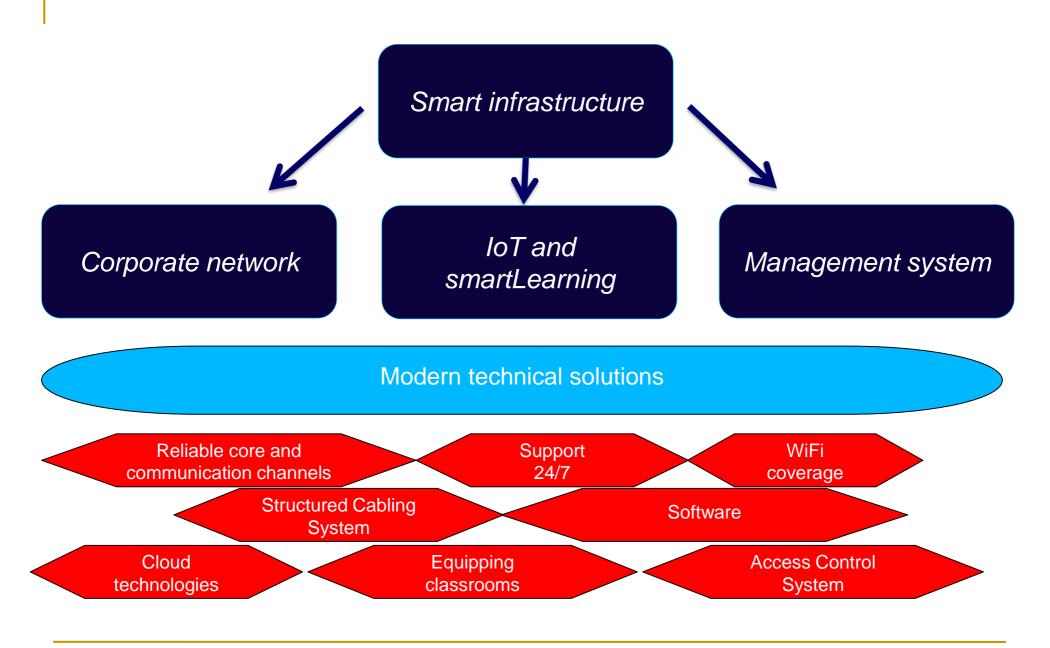
Smart-education – the main «smart» process of Smart University



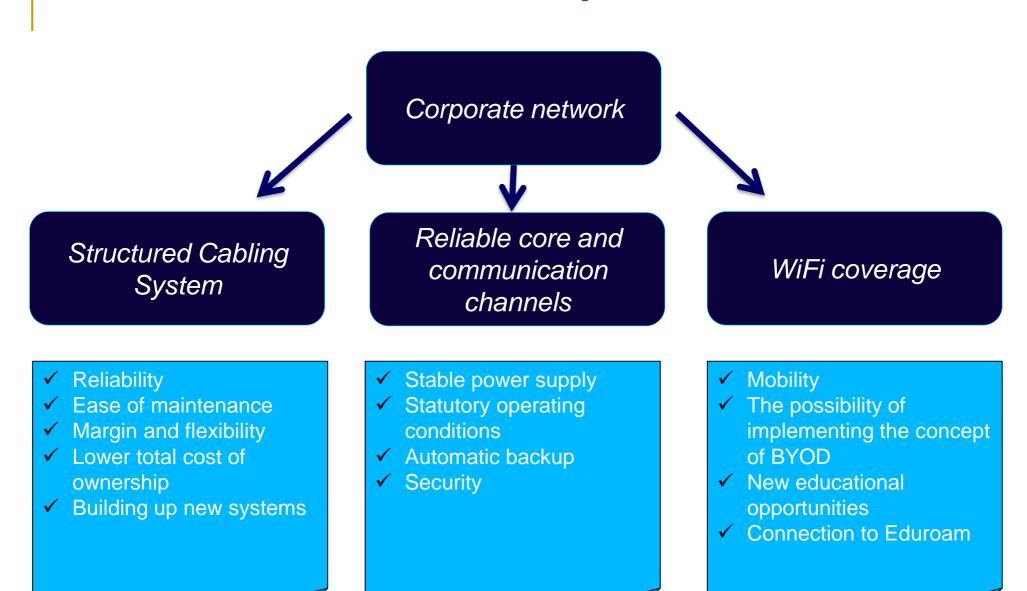
- Motivating students to work
- ✓ Multimedia content
- ✓ Interactive Learning Events
- ✓ Use of cloud technologies
- Dividing teacher's functions between tutor and student
- ✓ Students are the coauthors of training courses
- Involvement in the scientific work of the University

- Continuous updating of educational courses
- Accounting personal characteristics
- ✓ Individualization of the learning path
- Application of knowledge in practice

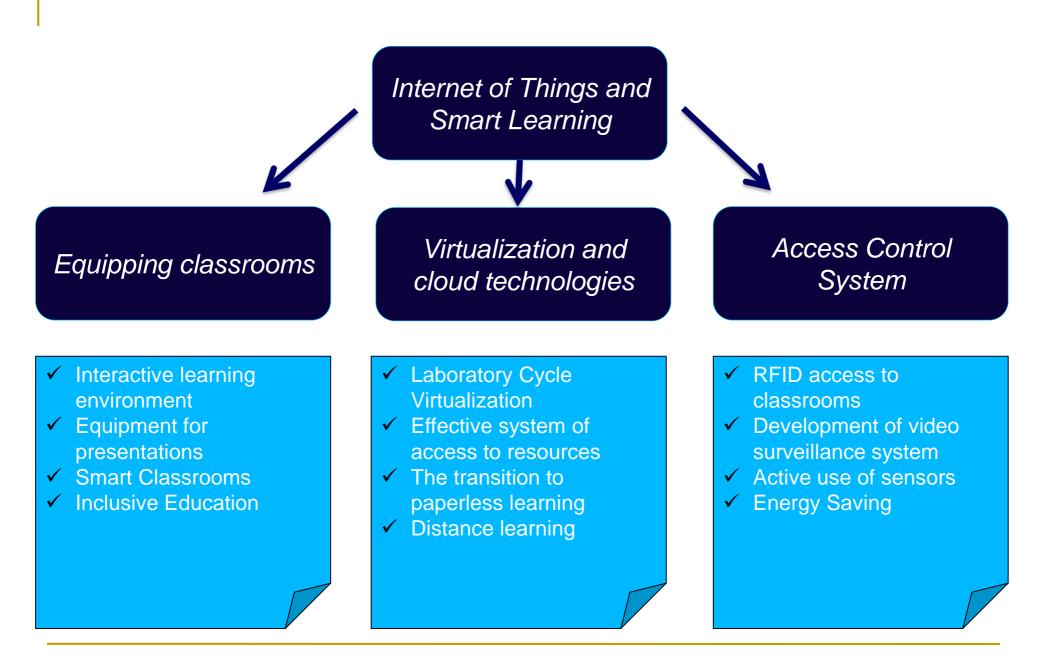
Smart infrastructure at the heart of Smart University



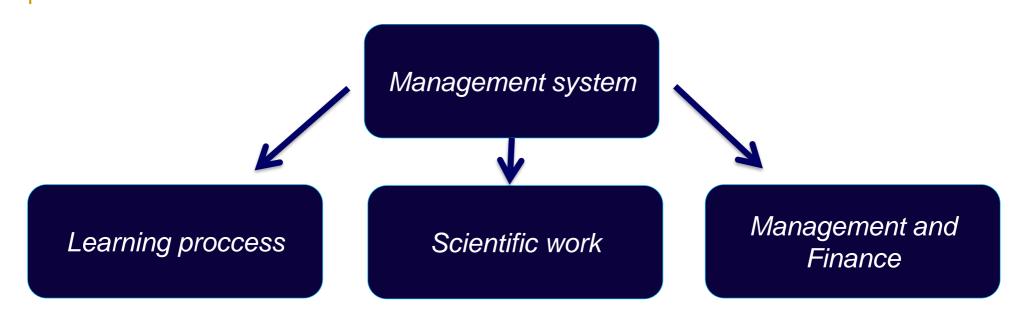
Smart Infrastructure: Corporate Network



Smart Infrastructure: Internet of Things and Smart Learning



Smart Infrastructure: Management system

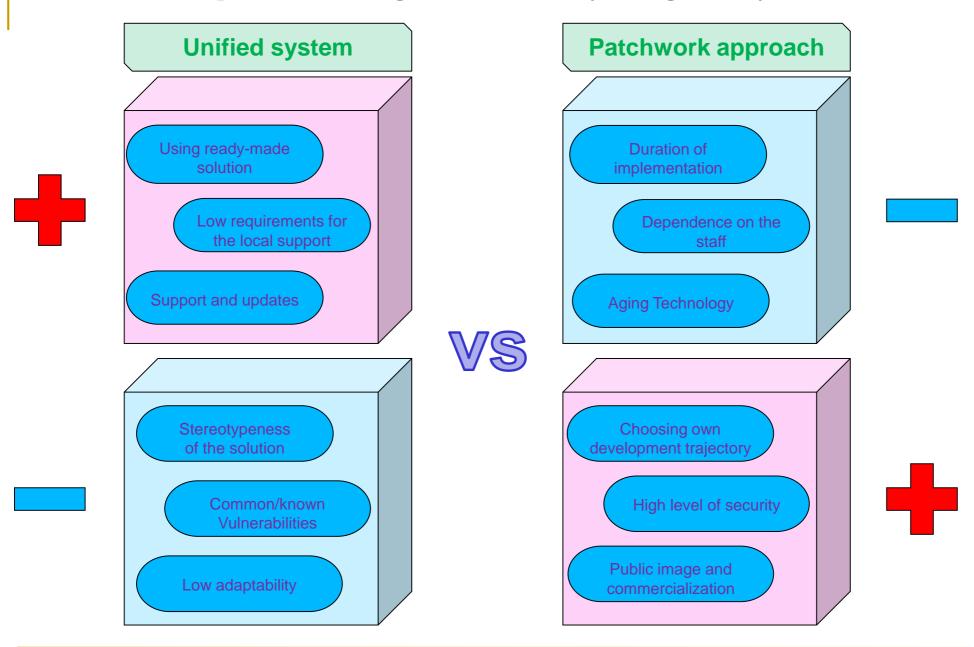


- Planning educational process
- ✓ Scheduling
- ✓ Admission Committee
- ✓ pre-university tutorial
- Management of student body

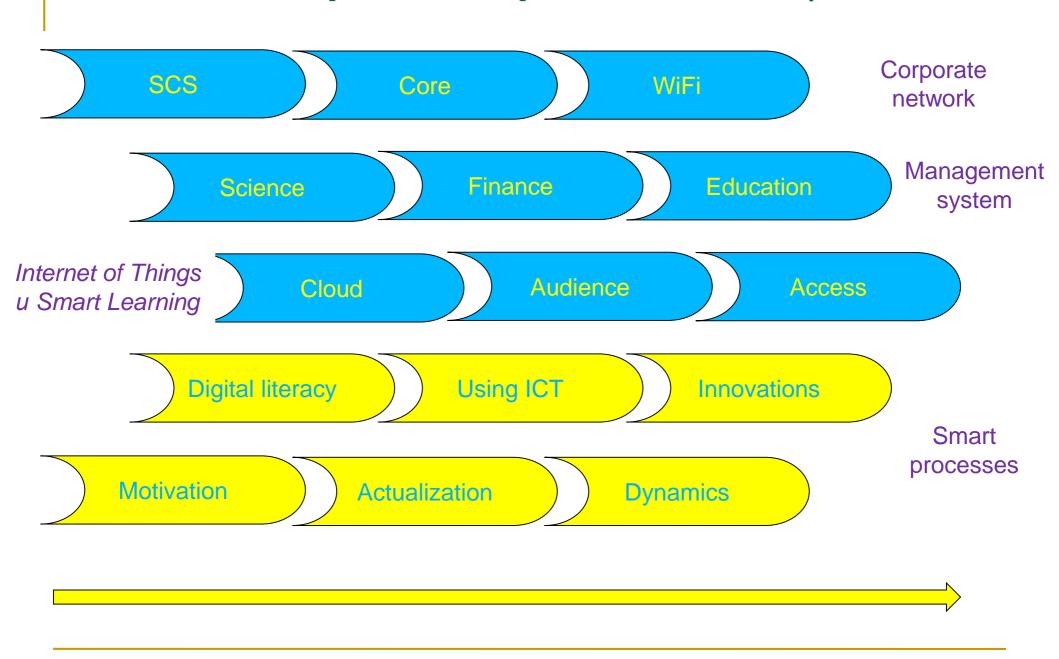
- Planning and Reporting
- ✓ Contracts
- Registration of scientific research works
- ✓ Contests and Olympiads
- ✓ Conferences and Workshops
- ✓ Printed editions

- ✓ University structure
- Management of teaching staff
- Management of dormitory check-in
- ✓ Contracts
- ✓ Scholarships
- Control over the execution of orders

Options for building a Smart University management system



Example of the Roadmap to create a Smart University



THANK YOU FOR ATTENTION