



Študij računalništva se je na Univerzi v Ljubljani pričel že leta 1973, najprej kot usmeritev po 2. letniku študija elektrotehnike, od leta 1982 pa kot samostojni študij. Interes za študij pa se je zaradi velikih možnosti zaposlovanja tako v gospodarstvu kot tudi v javnem sektorju močno povečal. To so bili ključni vzrodi za nastanek samostojne Fakultete za računalništvo in informatiko, ki se je z januarjem 1996 odcepila dotedanje matične Fakultete za elektrotehniko in računalništvo. Število študentov in zaposlenih se je v tem času skoraj podvojilo, tako da trenutno na vseh študijskih programih študira 1512 študentov, vseh zaposlenih pa je 179.

Fakulteta za računalništvo je ostala v skupni stavbi in zaseda manj kot 20 % prostorov. Obstoječi program računalništva in informatike se kljub adaptacijam fakultete v preteklih letih zaradi prostorske stiske s težavo kakovostno izvaja. Ker že od ustanovitve dalje fakulteta najemna dodatne prostore (sedaj že v izmeri 3.883 m<sup>2</sup>).

The University of Ljubljana offered study in computers and informatics already in 1973, at first as a study orientation in the second year of the electrical engineering study. Since 1982 it is an independent study programme. The development of research, increased interest for study, high labour market demands were the key factors for the separation from the Faculty of Electrical Engineering and for establishment of a new faculty in 1996. The number of students and staff almost doubled since then; there are now 1512 students in all the study programmes and 179 staff.

The UL FRI remained in the same building and is now occupying less than 20% of the common facilities shared with the Faculty of Electrical Engineering. The study programmes in computer and information science required certain adaptations of the building, which are barely sufficient for provision of good education. The UL FRI has to hire additional premises (at present 3.883 m<sup>2</sup>) due to lack of suitable facilities from the very beginning of its existence.



### *Construction of new premises for the Faculty of Chemistry and Chemical Technology and the Faculty of Computer and Information Science of the University of Ljubljana*

The University of Ljubljana started the largest building project in Slovenia co-funded by the European Union, Regional Development Fund – construction of new facilities for the Faculty of Chemistry and Chemical Technology and for the Faculty of Computer and Information Science (“Novogradnja UL FKKT in UL FRI”). The EU contribution amounts to 88 million € of grant funds for the construction of the new buildings intended for use by the two University Members. The project is the largest investment in the history of the University of Ljubljana and at the same time an invaluable contribution to the impetus of the Slovene economy. Being the first infrastructural project in research and education with the EU grant of such high amount, makes it unique in Slovenia. The project represents investment in public higher education and research infrastructure of national importance, related to the economy and other areas of development.

#### *MILESTONES*

- In April, 2009 the University Governing Board decided to place the project “Novogradnja UL FKKT in UL FRI” on the list of priority investments.
- By 2007, the University purchased land for building the new premises near the Biotechnical Faculty.
- Slovenia increased investments in development of education and research infrastructure for 2007-2013, and this opened real possibilities for applying for the ERDF funds.
- On 9 July, 2009 the investment programme was adopted by the University Governing Board at its meeting. So began the process of obtaining the co-funding of the investment by the European Commission.
- On 25 March, 2010 the University, the investor, forwarded the application for the EU grant to the agent, the ministry responsible of higher education.
- On 21 April, 2011 the University forwarded the application for the EU grant and the proposal of the investment programme to the ministry for official confirmation.
- On 27 June, 2011 the University received the formally positive statement on the application, from the European Commission (the JASPERS).
- On 30 June, 2011 the European Commission received the complete application and the documentation.
- On 22 December, 2011 the University received the confirmation by the European Commission that the investment programme “Novogradnja UL FKKT in UL FRI” has been granted.



### *Novogradnja Fakultete za kemijo in kemijsko tehnologijo ter Fakultete za računalništvo in informatiko Univerze v Ljubljani*

Novogradnja Fakultete za kemijo in kemijsko tehnologijo in Fakultete za računalništvo in informatiko Univerze v Ljubljani (Novogradnja UL FKKT in UL FRI) je največji projekt v Sloveniji, ki je sofinanciran s strani Evropske unije – sklada za regionalni razvoj. Univerza v Ljubljani je pridobila 88 milijonov € nepovratnih namenskih evropskih sredstev za izgradnjo novih poslopij omenjenih fakultet; projekt poleg največje investicije v zgodovini Univerze v Ljubljani pomeni tudi pomemben prispevek k zagonu slovenskega gospodarstva, edinstven pa je tudi zato, ker je to prvi infrastrukturni projekt s področja raziskovanja in izobraževanja, za katerega so bila dodeljena nepovratna sredstva v tako visokem znesku. Projekt pomeni naložbo v javno visokošolsko in raziskovalno infrastrukturo nacionalnega pomena, ki je povezana s potrebami gospodarstva in drugimi področji razvoja.

#### *MEJNIKI*

- Aprila 2001 je Upravni odbor Univerze v postavil projekt z imenom Novogradnja UL FKKT in UL FRI na prednostni seznam univerzitetnih investicij.
- V času do 2007 je Univerza v Ljubljani za potrebe gradnje objekta kupila zemljišče ob Biotehniški fakulteti.
- Slovenija je za obdobje 2007–2013 predvidela povečanje vlaganja v izobraževanje in raziskovanje, kar je pomembno vplivalo na kandidaturo Novogradnje za pridobitev sredstev Evropskega sklada za regionalni razvoj.
- Upravni odbor Univerze je 9. julija 2009 potrdil investicijski program za Novogradnjo UL FKKT in UL FRI, začeli so se postopki za pridobivanje sredstev iz EU.
- Univerza je v vlogi investitorja 25. marca 2010 posredovala prvi predlog investicijskega programa na visokošolsko ministrstvo.
- 21. aprila 2011 je Univerza v Ljubljani posredovala vlogo za sofinanciranje in predlog investicijskega programa novogradnje na ministrstvo v postopek uradne predhodne potrditve.
- 27. junija je UL o vlogi od uradnega recenzenta s strani Evropske komisije (JASPERS-a) prejela formalno pozitivno mnenje »Completion note«.
- 30. junija 2011 je celotno dokumentacijo prejela Evropska komisija.
- 22. decembra 2011 je UL prejela sporočilo Evropske komisije, da vloga za sofinanciranje investicijskega programa Novogradnja UL FKKT in UL FRI odobrena.



Fakulteta za kemijo in kemijsko tehnologijo Univerze v Ljubljani je v času od nastanka samostojnega oddelka v študijskem letu 1950/51, ko je študiralo vsega skupaj 240 študentov, do danes zrasla v veliko fakulteto, tako po številu študentov vseh treh stopenj kot tudi po obsežnosti in raziskovalni odličnosti akademskega in raziskovalnega osebja. Prostori, zgrajeni pred desetletji, že dolgo ne zadoščajo več za normalno in varno delo in študij. Danes 233 zaposlenih skrbi za več kot 1.600 študentov pri izvedbi študijskega procesa na skupno kar 24 lokacijah, tako lastnih kot najetih (več kot 4.995 m<sup>2</sup> površine).

Razmere v obstoječem objektu ob Aškerčevi cesti (laboratoriji) so postale tako kritične, da komaj ustrezajo predpisom s področja varnosti pri delu, ta pa je pri kemijski stroki izrednega pomena. Tudi oprema, ki jo med izobraževanjem uporabljajo naši študenti, je zastarela, tehnologija in oprema na področju kemije in kemijske tehnologije pa se izjemno hitro razvijata.

The University of Ljubljana Faculty of Chemistry and Chemical Technology has developed from a department, established in 1950/51 with altogether 420 students, to a large University Member in terms of student numbers in all study programmes and in terms of research excellence of the academic and the research staff. The facilities were built decades ago and are long insufficient and safe as working and learning environment. Today 233 staff work with more than 1.600 students and provide education on 24 different locations owned by the University and rented (more than 4.995 m<sup>2</sup>).

The situation in the present UL FKKT building, located at Aškerčeva cesta (laboratories) has become critical, barely fit for purpose and does not meet safety at work regulation, which is crucial in the area of chemistry. The equipment is outdated due to fast developments of chemistry and chemical technology laboratory equipment.



## *KAJ PRIDOBIMO*

Investicijski program predvideva izgradnjo dveh ločenih stavb, za vsako fakulteto, ki bosta s steklenimi mostovi povezani z osrednjo stavbo – objekt v obliki črke X, ki predstavlja stičišče skupnih aktivnosti. FKKT bo namenjeno 16.620,84 m<sup>2</sup> površine, FRI pa 9.245,31 m<sup>2</sup>, skupni objekt X bo obsegal 3.987,06 m<sup>2</sup>. Skupna površina bo torej štela 29.853,21 m<sup>2</sup>.

### **ARHITEKTURNA REŠITEV PROJEKTA:**

Boštjan Kolenc, univ. dipl. inž. arh.

Mladen Marinčič, univ. dipl. inž. arh.

Mojca Švigelj Černigoj, univ. dipl. inž. arh.

### **IZVAJALEC GRADBENIH DEL:**

Konzorcij:

SPLOŠNO GRADBENO PODJETJE POMGRAD Murska Sobota d.d.

BEGRAD, d.d.

IMP d.d.

### **VREDNOST PROJEKTA:**

116,4 milijonov €

88 milijonov € prispeva EU iz sklada za regionalni razvoj

vrednost pogodbe z izvajalci 52.417.614,32 € (z DDV)

## *WHAT IS OUR GAIN*

The investment programme provides for two separated buildings for each of the faculties and a common building – Object X (shaped as an X), all connected by glass bridges. The Object X represents a platform for common activities. The UL FKKT will have 16.620.84 m<sup>2</sup>, the UL FRI will accommodate 9.245.31 m<sup>2</sup> and the Object X will cover 3.987.06 m<sup>2</sup>. The total surface area will be 29.853,21 m<sup>2</sup>.

### **ARCHITECTURAL PROJECT DESIGN:**

Boštjan Kolenc, univ. dipl. inž. arh.

Mladen Marinčič, univ. dipl. inž. arh.

Mojca Švigelj Černigoj, univ. dipl. inž. arh.

### **BUILDING CONTRACTORS:**

Konzortium:

SPLOŠNO GRADBENO PODJETJE POMGRAD Murska Sobota d.d.

BEGRAD, d.d.

IMP d.d.

### **PROJECT VALUE:**

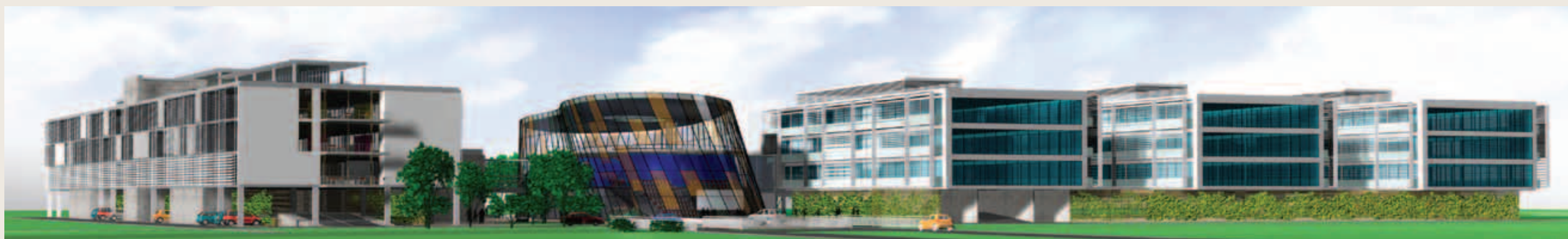
116,4 milion €

88 milion € ERDF contribution

Contract value 52.417.614,32 € (including VAT)

## *PRIČAKUJEMO*

- porast števila člankov in citatov
- porast števila patentov in spin off podjetij
- povečanje števila mladih raziskovalcev iz gospodarstva
- večje število raziskovalcev, visokošolskih učiteljev in študentov
- več pogodb z gospodarstvom
- porast števila mednarodnih raziskovalcev
- večje število doktorjev znanosti
- porast prihodkov iz raziskav



## *WE EXPECT TO*

- increase the number of articles and citations
- increase the number of patents and spin-offs
- increase the number of young researches for employment in business
- have more researches, teachers and students
- increase the number of contracts with economic sector
- increase the number of international researches
- increase the number of doctors of science
- increase the income of research revenue

## *UČINKI NA OKOLJE*

Novogradnja, ki bo stala v neposredni bližini Biotehniške fakultete, Tehnološkega parka Ljubljana Brdo ter Nacionalnega inštituta za biologijo, bo omogočila vzpostavitev visokošolskega in raziskovalnega naravoslovnega in tehnološkega kampusa po zgledu odličnih raziskovalnih univerz.

Izgradnja novega visokošolskega in raziskovalnega objekta bo prebivalcem v okolici izboljšala kakovost življenja, saj se bo ta del Ljubljane pričel razvijati v nov znanstveno-raziskovalni in mednarodni konferenčni center Mesta Ljubljane in Slovenije. Lokacija je umeščena v zeleno okolje ob zavarovanem območju krajinskega parka Tivoli, Rožnik in Šišenski hrib, kar bo vplivalo na prijetno in ustvarjalno vzdušje med študenti, pedagoškimi delavci in raziskovalci. Hkrati lokacija omogoča nadaljnje širitve za potrebe Univerze v Ljubljani na delu sosednjih zemljišč.

## *INDIRECT IMPACTS OF THE ENVIRONMENT IMPACTS*

The new construction which will be located near the Biotechnical Faculty, Technological park Ljubljana Brdo and the National Institute of Biology will directly contribute to establishment of a higher education and research campus, comparable to campuses of excellent research universities.

The new location will initiate development of a new scientific research international and conference centre of Ljubljana and Slovenia. Conditions for formation of the natural sciences technical campus will be created, as it is already practice in the best universities in Europe. Last but not least, the location of the new premises is in a green belt, next to the protected natural park Tivoli, Rožnik and Šišenski hrib, which will undoubtedly contribute to comfortable and creative atmosphere among the students, teachers and researchers. The location also provides possibilities for further expansion of the University of Ljubljana in the neighbouring area.

## *TRG DELA*

Kakovost diplomantov se bo zaradi bistveno izboljšanih pogojev za študij ter raziskovalno delo povečala, zato bodo v povprečju še lažje našli zaposlitev v manj kot 11 mesecih. Boljši pogoji za mednarodno sodelovanje bodo posledično omogočili lažje zaposlovanje na globalnem trgu dela. Fakulteti bosta oblikovali večjo ponudbo programov (več samostojnega dela in interdisciplinarnosti), tako bosta prispevali k ohranjanju konkurenčnosti gospodarstva.

## *LABOUR MARKET*

The quality of graduates will improve due to substantially upgraded conditions for study and research, so they are expected to be employed in a period of less than 11 months. Better international engagement shall contribute to competitiveness of our graduates on a global scale. The new premises will facilitate education with more and better study programs and research environment and encourage work in small groups. This way the competitiveness of economy shall be increased.