Implementation of the legislation on mutual recognition of professional qualifications

EDUCATIONAL QUALIFICATIONS OBTAINED AT UNIVERSITIES, COMPATIBILITY OF EDUCATION AND THE POSSIBILITY FOR OBTAINING LICENSES FOR PROFESSIONAL QUALIFICATIONS (IN IIRS)

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LATTANZIO Public Sector ADVISORY

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КОМОРА НА ОВЛАСТЕНИ АРХИТЕКТИ И ОВЛАСТЕНИ ИНЖЕНЕРИ НА МАКЕДОНИЈА

Since 2012

IIRS = Engineering Initiative for regional Cooperation

(members: Slovenia, Croatia. Monte Negro, Serbia. Macedonia, Bulgaria)

Each country to made

Inventory of educational qualifications (and level of education) obtained at Universities in IIRS countries?

Next step was,

Compatibility of obtained diplomas with the Law on Construction and the ability to obtain certificate from Chamber of Certified Architects and/or Certified Engineers

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CONCLUSION NO. 1

Educational Qualifications and Levels of Education - obtained at Universities in countries members of IIRS, - obtained Diplomas and Certificates are SIMILAR in All Countries (Construction Laws = Compatible Terms),

and they are based on the condition

that the candidate finished high education

(which means)

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VII-1 degree - graduated engineer

(in some states a name graduate engineer has been transformed into a master's degree and in some states is a university graduate engineer),

or

300 EKTS under the Bologna Convention

(master's degree, or magister of science)

We initiated to the the Ministry of Education of RM to automatically replaces all VII-1 degrees, with a diploma master engineer - for all those who have studies lasting 10 semesters, and we suggest that every side of the IIRS is going to do it.

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Content of the Regulation on Educational Qualifications (old and new style of study)

Fakultetsko obrazovanje OLD STYLE		Visoko obrazovanje BOLOGNA	
Vishe	VI-1	Prvi ciklus studiranja	180 kredita 240 kredita
VISOKO	VII-1	VTOR ciklus MASTER (M.Sc)	300 EKTS
MAGISTERIUM	VII-2		
DOKTORAT	VIII	TRET ciklus (Ph.D)	>360 kredita

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Актуелни услови за стекнување овластување во РМ

Fakultetsko obrazovanje (stari program)		design				revision				supervission				Construction performing			
		А		Б		А		Б		А		Б		А		Б	
		Radni Staz	Reference broj	Radni Staz	Reference broj	Radni Staz	Reference broj	Radni Staz	Reference broj	Radni Staz	Reference broj	Radni Staz	Reference broj	Radni Staz	Reference broj	Radni Staz	Reference broj
vishe	VI-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	3
visoko	VII-1	5	3	2	3	5	3	2(5)	3	5	3	3	3	5	3	2	3
magisterium	VII-2	Isto kao za VII-1															
dokotorat	VIII	Isto kao za VII-1															

Visoko Obrazovanje Bolonja		projektovanje				revizija				nadzor				izvodjenje			
		А		Б		А		Б		А		Б		А		Б	
		Radni Staz	Reference broj	Radni Staz	Reference broj	Radni Staz	Reference broj	Radni Staz	Reference broj	Radni Staz	Reference broj	Radni Staz	Reference broj	Radni Staz	Reference broj	Radni Staz	Reference broj
Прв циклус на студии	180 krediti VIA	-	-	---	--	-	-	-	-	-	-	-	-	-	-	2	3
	240Krediti VIIB	-	-	2	3	-	-	2(5)	3	-	-	3	3	-	-	2	3
Втор циклус	300 ECTS VIIA	5	3	2	3	5	3	2(5)	3	5	3	3	3	5	3	2	3
Трет циклус	>360 krediti	5	3	2	3	5	3	2(5)	3	5	3	3	3	5	3	2	3

CONCLUSION No. 2

Certificates are eqivalent in all countries of the IIRS, as well as with the majority of ECEC states.

There are differences in the variety of certificates and in the method of acquisition where some of the countries are conducting the exam,

while some use the applicants' projects as proof that they are capable of independently working on designing, revision ..... and so on.

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Certificate for profesional Qualifications (License) are issued in the Chambers on the basis

1. EDUCATION (degree of education)
2. SKILLS (tenure and made projects)

EDUCATION + SKILLS = COMPETENCES

5 years of education + 5 years profesional experience + 3 projects = competences

(more quality instead of quantity)

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III part of the project

Equivalence

Legal Obligations and

Signed Recognition Agreements for equivalence of foreign certificates (licenses)

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Крај на 2016		0.URBANISTI PLANERI	1.ARHITEKTI	2.GRADJEVIN	3.MASINCI	4.ELEKTRO TEHNIKA	S.SAOBRACAJ	6.GEOTEHNIKA	7.ZIVOTNA SREDINA	8.GEODEZIJA	9.ZPR I PPZ	EN. EFICIENCY	FOREIGN ENGINEERS
PROEKTIRANJE	А	374	46	100	58	91	4	16	26	27	64	25	
	А+Б		720	604	247	290	13	55	38	2	1		
	Б		771	571	240	322	40	29	32	5	22		
REVIZIJA	А		33	51	28	39	2	11	14	4	45	14	
	А+Б		493	228	153	197	13	16	24	20	1		
	Б		282	373	106	126	7	11	8	1	2		
NADZOR	А		59	133	60	100	1	19	18	18	15	14	
	А+Б		792	844	268	308	9	41	31	4	1		
	Б		518	556	213	254	29	23	23	7	5		
IZVEDBA	А		358	432	149	169	2	20	8	24	7		
	А+Б		248	162	73	47	2	8	4	3	15		
	Б		120	552	198	261	17	23	9	37	7	14	
Ukupno ovlaštenja 15561		519	**4439**	**4606**	**1793**	**2204**	139	283	235	159	185	67	
Ukupno članova 6872		210	2100	2100	950	1000	80	134	140	81	190	30	**485**
%		6%	**30%**	**30%**	**12%**	**15%**	1,1%	2%	2%	1%	1,5%	0,5%	4%

Terminology?! (in Macedonia)

*** CERTIFICATE**

is released to a person - an engineer
which fulfills the conditions under the law.
The designer can use the name: Certified Engineer CE,
(Professional engineer PE, Chartered engineer CE)
CERTIFICATE are issued under the Law on the Construction
by The Chamber of Certified Architects and Certified Engineers

****LICENSE**

The license is issued to companies
which are eligible to perform
according to the Law on Construction,
have employed - a number of certified engineers.
LICENSE is issued by the Ministry of Transport and Communications
which is also responsible for construction

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Educational qualifications at the Universities of the Republic of Macedonia

- Uiverzitet „Sv. Kiril I Metodij“
  Skopje (1946)

- Univerzitet „Sv .Kliment Ohridski”
  Bitola(1959)

- Univerzitet „Goce Delcev“
  Štip (2000)

- Državen Univerzitet
  Tetovo (1994)

And more than 15 smaller Univerzities (> 2000)

EDUCATION + SKILLS = COMPETENCES

?

ENGINEERS FROM NEWLY-ESTABLISHED UNIVERSITIES or

STUDIES WITH NEW AND ATTRACTIVE (EXOTIC!!) NAMES .....

Graduated engineer for…

(design, management, marketing, clean production, eco design, efficiency, life time, sustainable, production, combination between civil and traffic, ...,

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- The Chamber works on the project on the

INVENTORY OF TITLES OF GRADUATED ENGINEERS AT THE UNIVERSITIES IN THE REPUBLIC OF MACEDONIA,

with the description of the qualifications (supplement diploma) and their ability to apply in Chamber for certificate, by the Law on Construction.

The project is supported by the RECTORS of the larger Universities and will be the basis for further work of the professional competitions in the Chamber

In order for the Chamber to regularly recognize the EDUCATION, in the future each ENGINEER must be legitimate with the diploma supplement with precisely explained skills and abilities OBTAINED during the school year, referring to the requirements of the Construction Law (or Chamber).

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Equivalence of Macedonian certificates with the certificates (licenses) of the surrounding countries and with the mandate of the European Directive for proffesional qualifications, and roules of ECEC

(European Council of Engineering Chambers)

and

VICE VERSA

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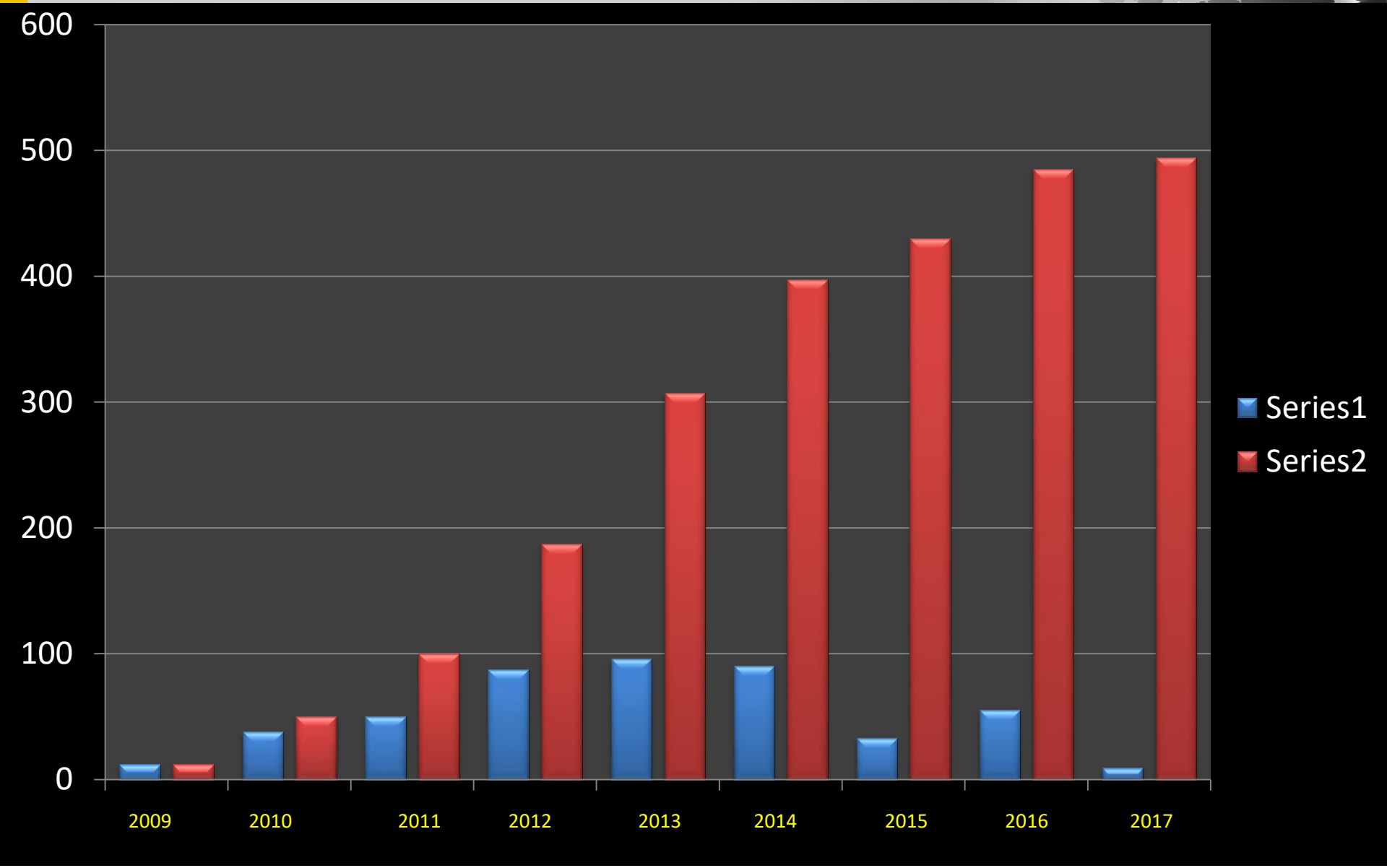

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Engineers from foreign countries in Macedonia

- In 8 years, almost 500 engineers “foreigners” became members od Macedonian Chamber
- The main condition is to have a Certificate from his native country (Chamber in his country), and to work in Company registered in Republic of Macedonia
- They are from 21 deferent Countries: Germany, Austria, Italy, Spain, Bulgaria, Serbia, Croatia, Slovenia, Greece, Turkey, Monte Negro, Bosnia & Hercegovina, Slovakia, Cehia, Australia, Canada……

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СП.0438	410 OF 327 10	Дипл. инженер по градеништво	Горан Ранић		СРБ					А	25.05.2017	ГРА
СП.0439	G-3694	Дипл. инженер по градеништво	Иванца Кулаш		HRV		А				25.05.2017	ГРА
СП.0440	G-5573	Дипл. инженер по градеништво	Анте Радак		HRV		А				25.05.2017	ГРА
СП.0441	G-5057	Дипл. инженер по градеништво	Иванa Соче Говорко		HRV		А				25.05.2017	ГРА
СП.0442	G-4940	Дипл. инженер по градеништво	Марино Оливер		HRV		А				25.05.2017	ГРА
СП.0443	327	Дипл. инженер по електротехника	Миле Јурковић		HRV		А				25.05.2017	ЕПЕ
СП.0444	3298	Дипл. инженер архитект	Марта Мухдало		HRV		А				25.05.2017	АРХ
СП.0445	333 8683 04	Дипл. инженер по машинство	Милан Кантовић		SRB		А				03.05.2017	МАШ
СП.0446	16030	Дипл. инженер архитект	Аџше Есин Кулели		TUR		А				03.07.2017	АРХ
СП.0447	09795	Дипл. инженер машинство	Феодор Аспарухов Ангелов		BGR			А			01.06.2017	МАШ
СП.0448	041136	Дипл. инженер elektrotehnika	Борјанка Георгиева Димитрова Харалампиева		BGR			А			05.06.2017	ЕПЕ
СП.0449	48270	Дипл. инженер машинство	Хусейин Џунејт Оздилер		BGR					А	03.06.2017	МАШ

Област *) ПЛА = ПЛАНЕР, АРХ = АРХИТЕКТУРА, ГРА = ГРАДЕЖНИШТВО, МАШ = МАШИНСТВО, ЕПЕ=ЕЛЕКТРОТЕХНИКА, СОО=СООБРАЌАЈ, ЕЕ- ЕНЕРГЕТСКА ЕФИКАСНОСТ

ГЕОТ = ГЕОТЕХНИКА, ИЖС = ИНЖЕНЕРСТВО ЗА ЖИВОТНА СРЕДИНА, ГЕОД = ГЕОДЕЗИЈА, ЗПР = ЗАШТИТА ПРИ РАБОТА, ТМ = ТЕХНОЛ-МЕТАЛУРГИЈА

КОМОРА НА ОВЛАСТЕНИ АРХИТЕКТИ И ОВЛАСТЕНИ ИНЖЕНЕРИ НА МАКЕДОНИЈА

КИИП

КОМОРА НА ОВЛАСТЕНИ АРХИТЕКТИ И ОВЛАСТЕНИ ИНЖЕНЕРИ

Република Македонија

КАМАРАТА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ

Република България

СПОГОДБА

ЗА ВЗАЕМНО ПРИЗНАВАЊЕ НА ОВЛАСТУВАЊА

ЗА ВЗАИМНО ПРИЗНАВАНЕ НА ПРАВОСПОСОБНОСТ

2014

In the meantime,
Bilateral cooperation needs to be established and formalized with the mutual recognition of certificate.

In every way, to make easier the access of engineers in foreign chambers and enable them to apply their professional knowledge in each of the IIRS countries, or in Europe

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The Chambers should become a place for the evaluation of the engineering programs at Faculties and the participate in the definition of a diploma supplement, in which explicitly is define the compliance of engineers in relation to the construction law (Project Designer).

... or to give consent (or recommendations) for educational programs for engineering professions that train the engineering professions (future designers and/or designers) with particular emphasis on EURO codes in the teaching of the University or other European standards and regulations for other professions (electrical and mechanical engineering)

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The Macedonian example of openness and acceptance of foreign engineers shows that non-residents with foreign certificates are not threat for domestic investors, but, on the contrary, through their work in Macedonia, the Macedonian economy and the Macedonian engineers who cooperate with them are gaining new knowledge and experience.

Also, the engineers from Macedonia need to be mobile and wellcomed in every country, since only with competitiveness and competition with others anyone could become better.

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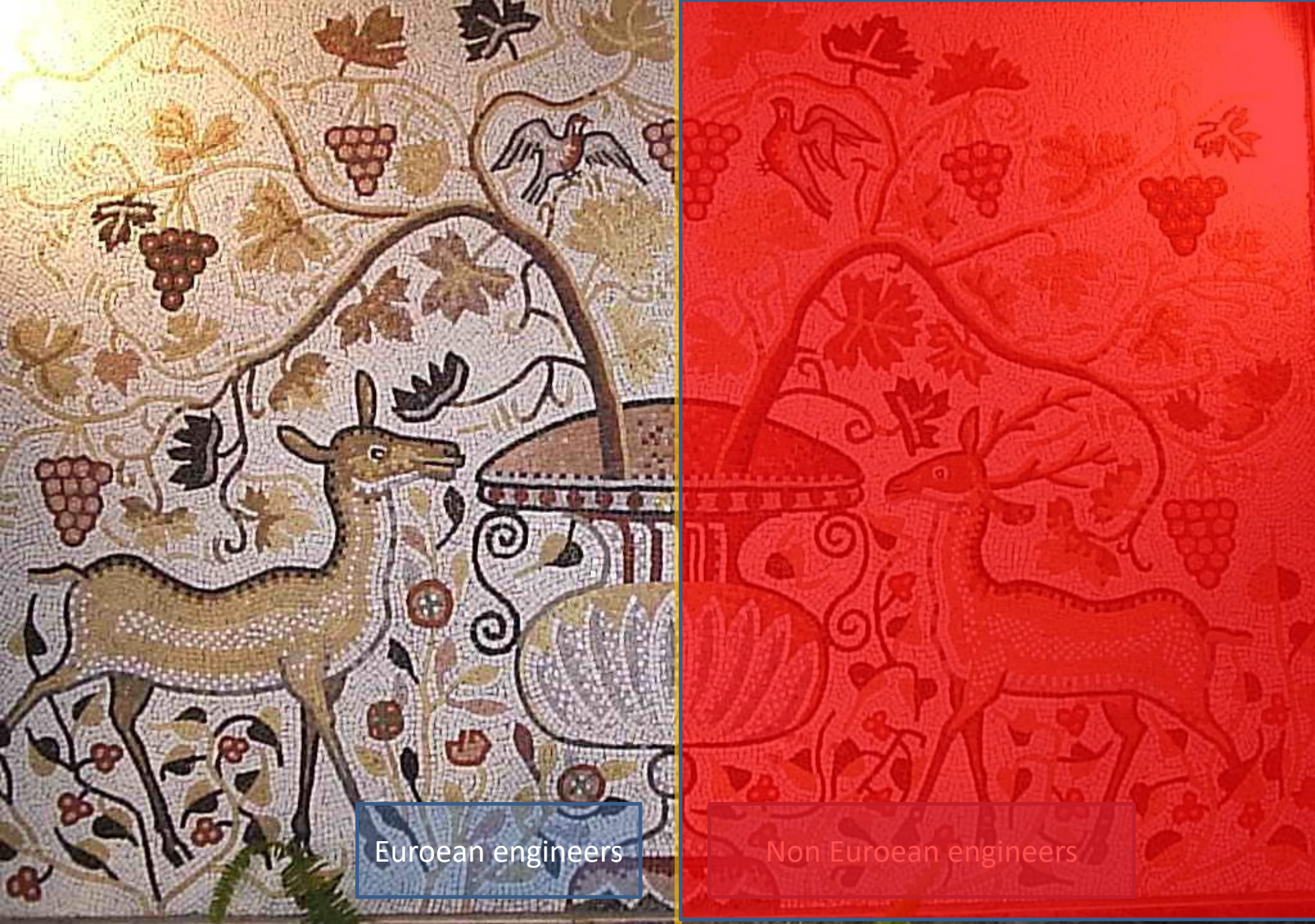

Mosaic from the archaeological site of Heraklea Bitola

Obviously, there is a difference between the two halves, but we can see that they (engineers) are the part of same mosaic

Therefore, it is necessary

to remove the mobility obstacles

There is not doubts that as soon the obstacles are removed, as soon we apply the Directive for professional qualifications

there will be a better chance for our engineers

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Every engineer who come to work in Macedonia was a great support to the Company, he/she was a person with high competences and domestic engineers had best example of contemporary engineering at home,

Those who work together with foreign engineers, now have a better skills, and better possibilities to work anywhere in Europe

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The end of presentation

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