Short-cycle higher education as a part of industry development

"Skills for the Baltic Wood industry – European Quality in Vocational Education and Training" Project Number: 601123-EPP-1-2018-1-DE-EPPKA2-SSA

Dr. Giedrius Gecevičius Vytautas Čapas Viktorija Gudauskaitė

16/9/2021

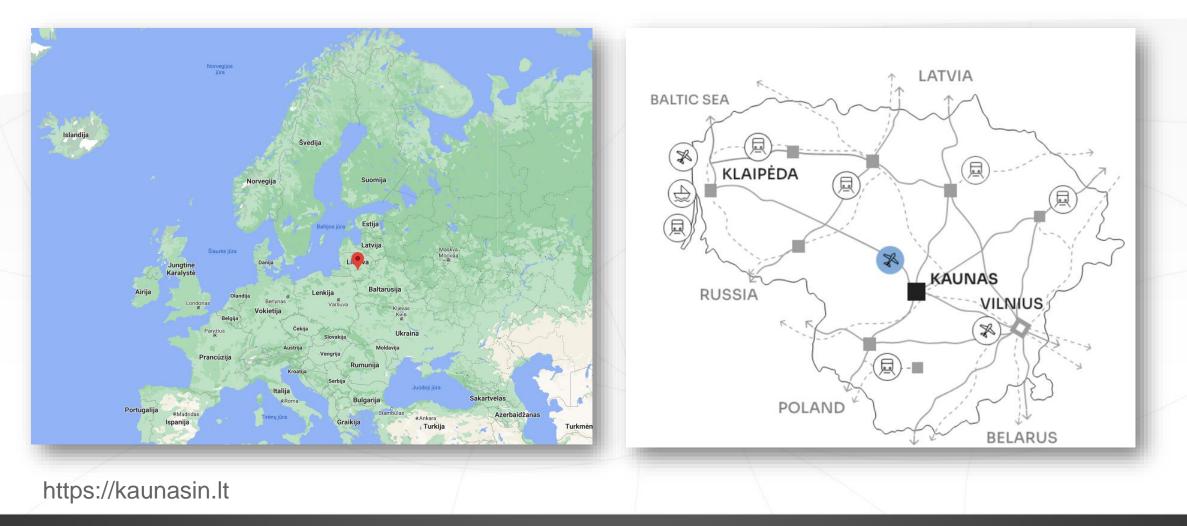






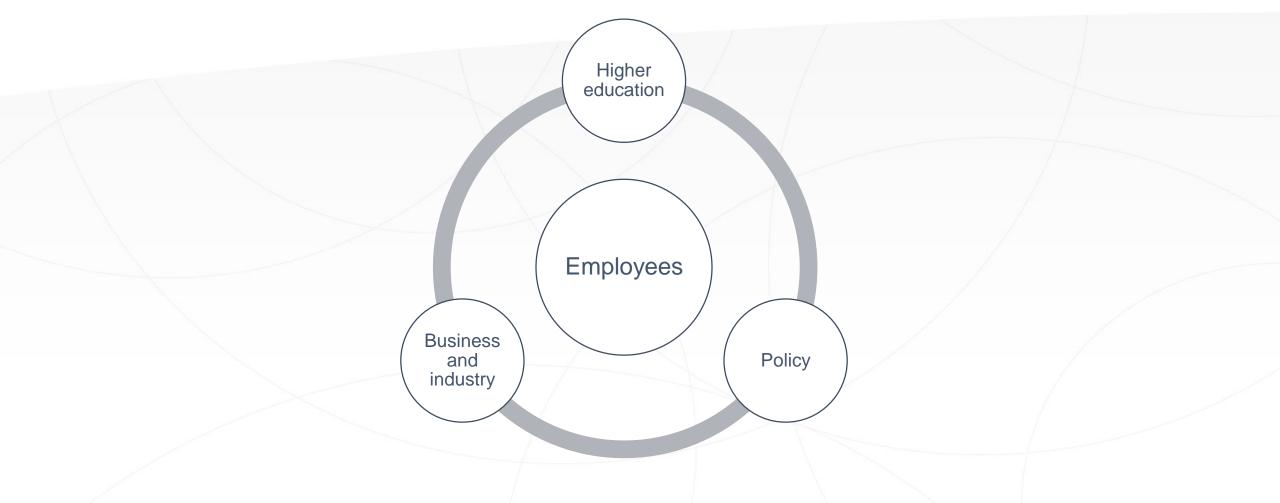
The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Where are we?





Stakeholders

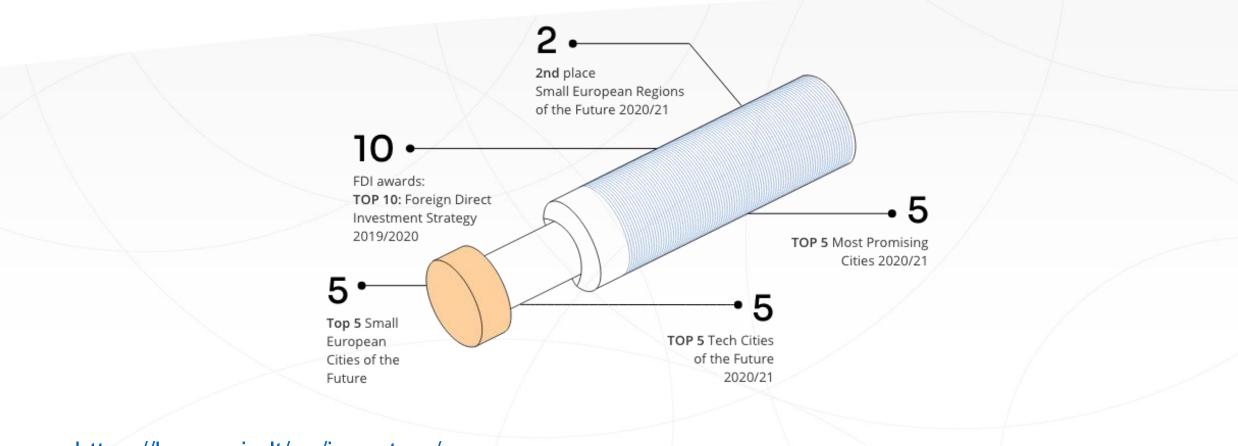




Business and industry



For investors



https://kaunasin.lt/en/investors/



Economically strong Kaunas

26,131 companies registered in Kaunas (Statistics Lithuania, 2018)

EUR 9.37 billion	- 21%	EUR 16.7 thousand
GDP generated by Kaunas Region in 2018	of the total country's GDP	GDP per capita foreach Kaunas citizen (Statistics Lithuania)



https://kaunasin.lt/en/investors/



Export indicators of furniture and wood industry

The Contribution of Lithuanian Economic Sectors to the Growth in 2020

Economic Sectors	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2020	2020 value million Eur
Engineering Industry	-0.20%	-1.20%	0.40%	1.90%	0.30%	3237
Furniture and Wood Industry	0.20%	-2.60%	1.50%	1.90%	0.20%	2614
Chemical Industry	-1.60%	-0.10%	2.20%	7.60%	2.10%	2343
Food and Beverage Industry	1.20%	-1.10%	-0.10%	-0.80%	-0.20%	2310
Agricultural Products	2.60%	-2.60%	3.90%	6.00%	2.50%	1412
Tobacco Products	1.00%	0.90%	2.70%	1.20%	1.50%	866
Clothing, Textile and Leather Industry	-0.50%	-1.30%	-0.50%	-0.10%	-0.60%	673
Waste Collection, Treatment and Disposal; Recovery of Materials	1.50%	-0.20%	0.50%	1.30%	0.80%	508
Other Industries	0.10%	-0.70%	-0.70%	-0.90%	-0.50%	1280
Total annual growth	3.90%	-8.70%	9.90%	18.30%	5.90%	15243

Source: Statistics Lithuania and calculations by Public Enterprise " "Versli Lietuva"



Kaunas Free economic zone





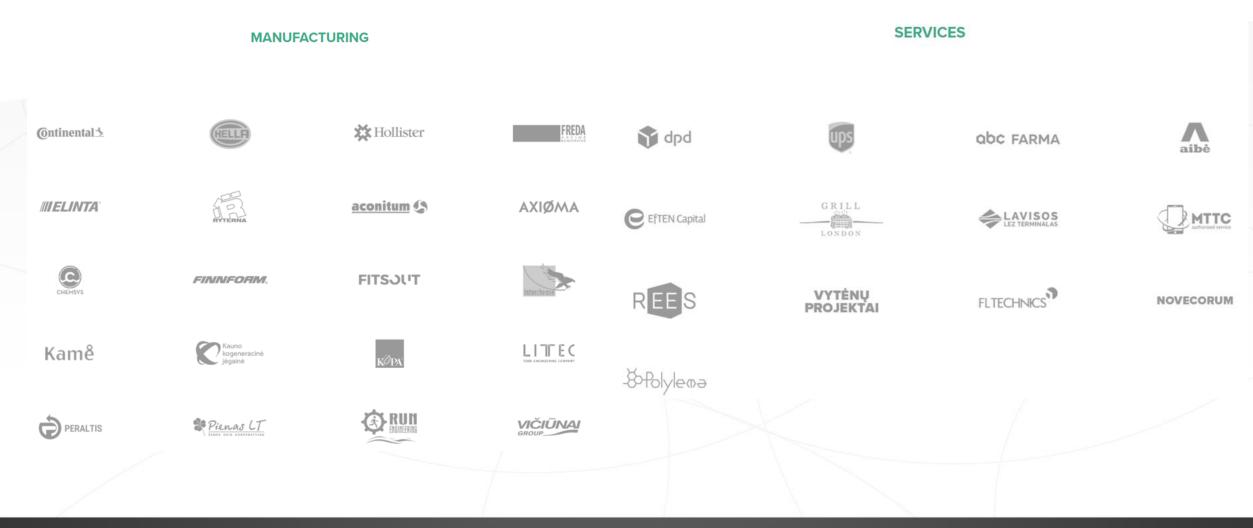
Kaunas Free economic zone

Kaunas FEZ covers a 534 ha territory in which we can offer efficient solutions to business developers depending on the customer's needs:

- land lease for a period of 99 years;
- engineering networks constructed to the boundary of the lot;
- tax incentives;
- convenient geographic location;
- a market of educated and qualified professional talents.



Kaunas Free economic zone



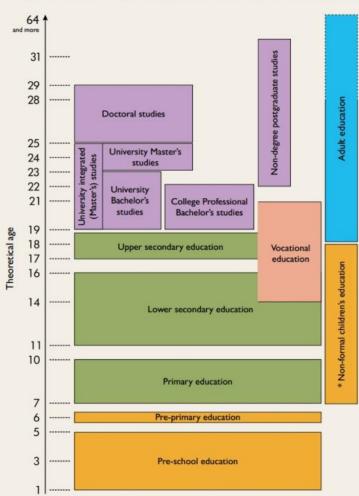


Higher education



Higher education qualifications	NQF level	EQF level	
VET diploma	1	1	
VET diploma	2	2	
Basic (Lower Secondary) Education Certificate VET diploma	3	3	
Maturity Certificate VET diploma	4	4	/
VET diploma	5	5	
Professional Bachelor			\vdash
Bachelor	6	6	
Certificate of non-degree studies (other than residency)			\backslash
Master	_	_	4
Qualification awarded after completion of non-degree studies (residency)	- 7	7	
Doctor of Science Doctor of Arts	8	8	





* Education can be conducted under the pre-school and pre-primary education programme, but is not systemic.



Higher education in Kaunas region

Universities

- KTU a leader in technology studies. It prepares the highest number of engineers in the Baltic countries.
- LUHS the leading and largest university in health sciences.
- VMU offers a broad and comprehensive education from social to technology and even arts studies.
- LSU specialised university in the field of sports.

Universities of Applied Sciences

- Kaunas University of Applied Sciences is one of the largest and strongest universities of applied sciences in Lithuania.
- University of Applied Engineering Sciences a university of applied sciences specialising in technical field.
- Kaunas Forestry and Environmental Engineering University of Applied Sciences produces specialists in the fields of forestry and environmental engineering.
- St. Ignatius of Loyola University of Applied Sciences a private university of applied social sciences and humanities.
- Kolping University of Applied Sciences a private university of applied business and social sciences located in Kaunas Old Town
- University of Applied Social Sciences the largest private university of applied sciences in Lithuania.



Kaunas University of Applied Sciences (KUAS)





Why KUAS?

- One of the top rated state professional higher education institutions in Lithuania;
- Studies orientated towards practical training;
- Applied research for business and industry;
- Training courses for business and industry.

https://www.youtube.com/watch?v=GUohqSU83HA&t=3s





Collaboration with business

- KUAS has more than **500 partners** in Lithuania and abroad.
- Over **1.5 thousand** students each year from all faculties perform practice in different organizations of private and public sector.
- Many specialists from business and other external organizations are invited to enrich lectures with their practical knowledge.
- Many projects, intensive programs and other activities are organized with business.





Main facts and figures

15 Bachelor level study programmes in 11 different study fields:

- Computing (4),
- Engineering Sciences (4),
- Technological Sciences (6),
- Agricultural Sciences (1);
- The faculty has ~1100 students ~ 120 lecturers
 - ~ 30 staff members

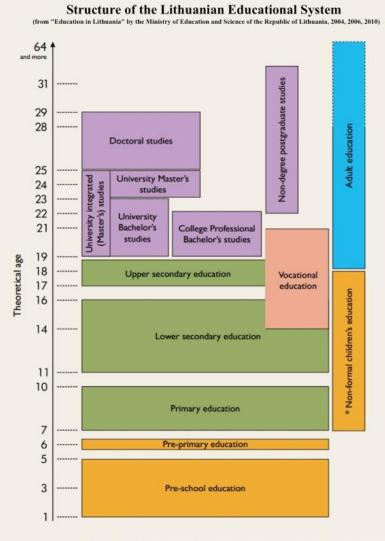




Challenges and opportunities



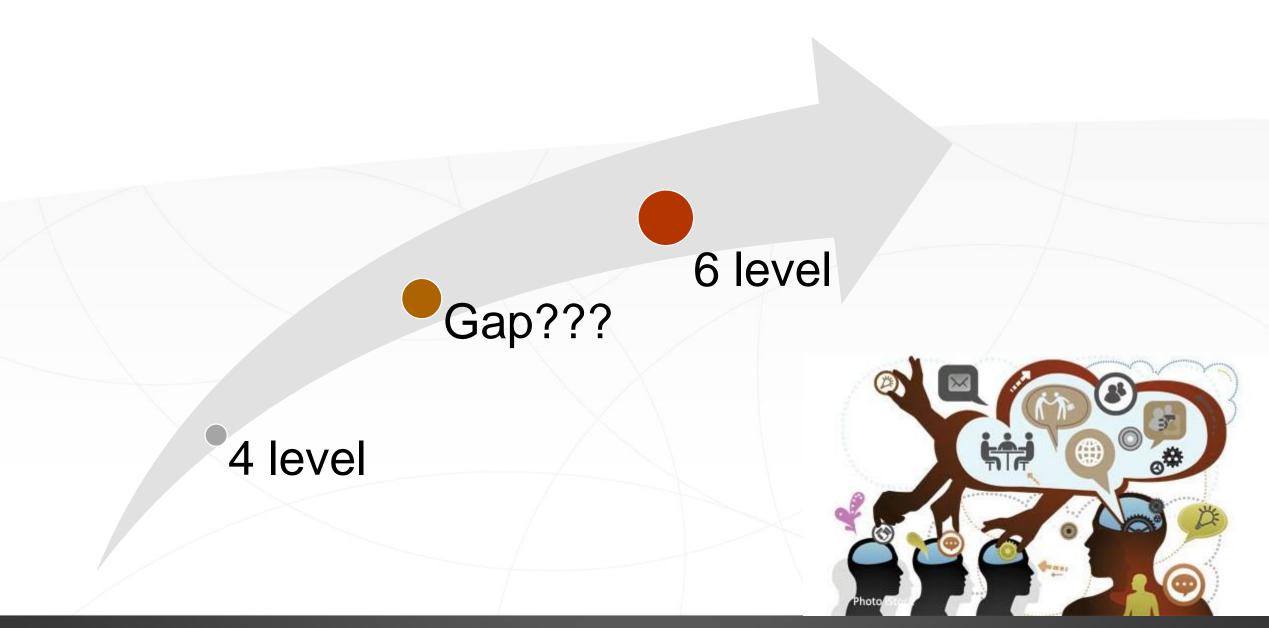
Higher education qualifications	NQF level	EQF level	
VET diploma	1	1	
VET diploma	2	2	
Basic (Lower Secondary) Education Certificate VET diploma	3	3	
Maturity Certificate VET diploma	4	4	
VET diploma	5	5	
Professional Bachelor			/
Bachelor	6	6	
Certificate of non-degree studies (other than residency)			
Master	7	7	
Qualification awarded after completion of non-degree studies (residency)	- 7	7	
Doctor of Science Doctor of Arts	8	8	



>

* Education can be conducted under the pre-school and pre-primary education programme, but is not systemic.





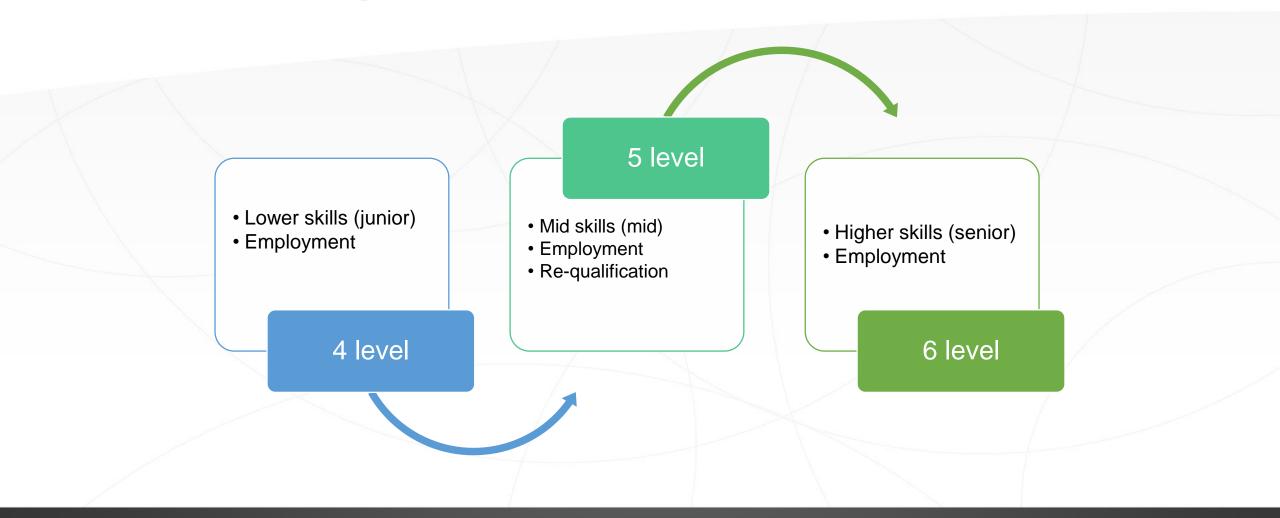


https://www.educba.com/it-professional/

Short cycle studies???



Future and possibilities





Benefit

- Qualification
- Re-qualification
- Short cycle



https://pharmaguidances.com/



Public Private Partnership (PPP)











Karštis. Šaltis. Meilė.







Mondelēz,

o centric





Co-funded by the Erasmus+ Programme of the European Union

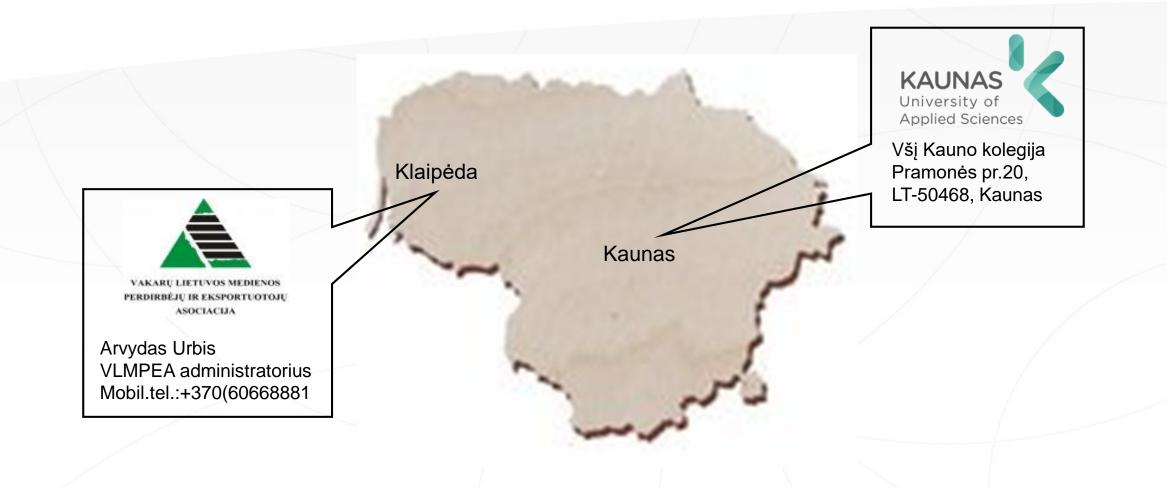


SKILLED UP

PROJECT SKILLS FOR BALTIC WOOD INDUSTRY – EUROPEAN QUALITY IN VOCATIONAL EDUCATION AND TRAINING/SKILLED-UP



Project executors in Lithuania





Project "Skilled-Up"

- The trainings were open only to people working in the Lithuanian wood products and furniture manufacturing industry.
- Trainings duration 2 years.
- The trainings were led by lecturers of Technology and Business Faculties of Kaunas University of Applied Sciences.
- Students who have completed the trainings will be issued certificates of professional development of Kaunas University of Applied Sciences.
- Distance or blended trainings took place on Saturdays.



The first group of "Skilled-Up" participants

- UAB "Theca Furniture"
- UAB "Gforma"
- AUB "Baltic Furniture Components"
- Jasevičius Furniture
- UAB "Lauksva"
- AUB "FitsOut"
- UAB "Konvesta"
- UAB "Šilalės mediena"
- UAB "SCAPA BALTIC"
- UAB "Ecowood"



The second group of "Skilled-Up" participants

- UAB "Baldų linija"
- UAB "Spintų galerija"
- UAB "Regda"
- UAB "LHM Interior"
- UAB "Kamė"
- UAB Pelėdos baldai
- UAB Šiaulių Gilija
- UAB Telatus
- UAB "Nordic Idea"
- Ruksa
- UAB "Furnitus"

- UAB "Universalūs Medžio Produktai"
- "FPI baltic
- Alsotana
- UAB "Svenheim"
- UAB "Medis"
- "MEGĖ"
- UAB ,,PATOGŪS BALDAI,,
- Ms baldai
- Fpi Baltic
- UAB "PIFKA"
- UAB "Medienos Era"

- MB "Profistatyba"
- UAB "Metalas ir mediena"
- Lazertechas
- MB "Albero baldai"
- UAB "KiTAIP"
- UAB "Verosta"
- UAB "Alvarium"
- UAB "Alsotana"
- UAB "Saloža"
- UAB "Eliuda"
- Scapa Baltic



Models/subjects developed during the "Skilled-Up" project

- Industrial design;
- Operating costs;
- Planning, standards, quality systems;
- Industrial technologies;
- Workplace, environment and health;
- Communication skills (methods);
- Career planning and business management;
- Leadership / Human Resources;
- Team management skills;
- Project Management.



Success story

44 | SKILLED-UP

Skills for the Baltic wood industry – European quality in vocational education and training

the workplace and the challenges,

and are ready to look for the most

they already have some authority

effective solution. In addition.

with regard to the knowledge.

working in the wood industry in

them up to production managers

process and in larger enterprises

you have different managers for

different processes and so we came

up with the idea of increasing the

It was quite a challenge in the Baltic

countries to bring all three different

countries in a position to be seen

as one. The first challenge was to

bring the three different systems

can be equal in all countries. The

next challenge was to introduce

it to companies. I was positively

surprised that the program we

together and create something that

educational standard to make it

suitable and worthy for both.

How is the project going?

or chief managers. In smaller

by KAROLINE SCHLEGEL



What is your role in the project? The main role is to be the mediator between the industry and the project, to bring students and companies into this project.

Why do you participate? There was no such training available before and of course I saw that this is something that would be necessary both for the industry and the education system. In Latvia, we had some attempts at this learning in projects and so on but basically. I don't see this as the kind of typical practical training that we had before. When they begin the training, the trainees do not have companies in their background. They look for companies only in the third or fourth year to go and do some practical things there and the idea for our project was that the trainees are already working in the company and are looking for further education. That has the advantage of the trainees already knowing

In October 2019, the training of the EU project was launched in Estonia, Latvia and Lithuania. Two thirds of the training will take place in companies in each country, as well as during mobility visits to companies in other Baltic States and one third takes place in the schools. Participants in the first training sessions included 50 representatives from different manufacturing companies. They will be piloting the work-based learning program (WBL) at level EQF 5 in the woodworking industry for the next two years so that it can meet the educational needs of the industry and become available to a wider audience.

created before was something the companies welcomed very well. I have an example: We finished with the first of ten modules this year in March The first module What are the aims of the project? was Industrial Technology and Our aims are to provide some further was a very large module. The education to people who are already best thing that showed at the end of the first module was having company production in order to raise trainees who already implemented this new knowledge in their companies, including solutions in companies, you normally have one inner logistics, energy efficiency manager for the whole production and process management.

> the project is a success? Of course it's a success because of the experience we gained through the project. And we also made new contacts and are looking forward to doing more of this in the future. We already know that next time, in October, when we start the training with the second group, we will do a few things a bit differently. especially the organization. But we will strive to maintain the quality, which is a bit difficult when working from home and we hope there won't be a shortage of students because of this special situation.

Which companies are taking part in the project? On the Latvian side, we have 18 trainees from 12 different companies. And what's interesting is that we have quite a wide range of companies; some make furniture, others make windows. The trainees have very different backgrounds but they are all learning the same processes and they really enjoy learning from each other. Additionally, we have 36 lecturers who aren't officially linked to the project, but are included in it so there is plenty of influence from many different sides. During the whole project, we stay in close contact with the companies and inform them on how everything is going. Could you please name some of the companies? SIA "IKTK", SIA "Konto", SIA "KRAUZERS", SIA "MARKO KEA", SIA "Elīza K", SIA "Relinš",

SIA "Troja", AS Latvijas Finieris, SIA "Dāvana Luks", among others. What are the plans for the future? The project ends next year in October and I am really looking forward to taking the best from this project in order to improve progress in

Dr. Giedrius Gecevičius, Dean at the Faculty of Technology, Kaunas University of Applied Sciences, Lithuania.

The wood industry is one of the most important sectors in Lithuania with an annually growing number of companies and employees. However, a lack of middle or higher-level digitization, sustainability and social responsibility competencies is the main reason for not fully exploiting the wood industry potential in the Baltic countries. The "Skilled-Up" project could be a very positive and new ideas, new successful example of such skills acquaintances and also financial development with more than 50 support for the students and around 30 companies

a new group in September.

training for primary managers is most needed. Indeed, many of our

learners are self-learners at their

any training related to their job.

The motivation of the students to

participate in the training is high

and the drop-out level is minimal.

We are now creating and testing

the "First-level manager at

the timber sector" curriculum.

the Lehrinstitut Rosenheim in

Germany and the cooperation of

partners. The curriculum can be

adapted according to local needs

Initial feedback from students and

we will continue in the same spirit.

employers has been positive - so

in Lithuania. During the project's

and opportunities, of course,

Skilled-Up Lithuania

based on the experience of

workplace and have never attended



courses, students already acquired soft and hard skills, as well as theory and practice in fields such as Industrial Design, Planning Control & Ouality Systems, Communication Methods, Occupational Safety and Health, Environmental Protection. As a result of the COVID-19 virus and lockdown, we also started the distance learning process and it was a big challenge for the students. In any case, we can be proud of successfully managing this task to enable students to acquire the necessary skills. I strongly believe that this project is a good beginning for a new European quality training concept for the wood industry in the Baltic countries and all of Europe and will benefit from a high valueadded economic development.

Disclaimer

The European Commission's support for the production of this publication does not constitute an endorsement of the contents. which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

SKILLED UP



Would you already say that

the first module or mix up some of the modules and continue. Skilled-Up Estonia Astrid Org, project manager at the Centre of Competence for Wood Processing and Furniture Manufacturing TSENTER of Voru County Vocational Training Centre. A good project affects the organization like a refreshing breeze. It brings with it



KAUNO KOLEGIJ

Survey results

Anonymous surveys were conducted in November 2020 to find out the views of participants, employers and lecturers on the trainings provided and its quality.

Participants:

- The questionnaire was sent to 50 respondents; 66% of participants took part in the survey.
 <u>Employers:</u>
- The questionnaire was sent to 26 companies / organizations; 42% of employers participated in the survey.

Lecturers:

• All lecturers who conducted the trainings participated in the survey.



Participant's survey results

The results of the surveys revealed that:

- the trainings met the expectations of 82% of the participants;
- 76% believe that the trainings material is relevant to their work environment;
- 76% of participants said they acquired new knowledge;
- 76% indicated that the experience gained will be useful in their workplaces;
- 73% of respondents indicated that they would change or plan to change some aspects of the work and apply the acquired knowledge in the near future. It was noted that the course has changed the approach to work with staff and colleagues, and labour safety; more attention is paid to work quality.
- All 100% respondents would recommend the trainings to colleagues.



Employer's survey results

The results of the surveys revealed that:

- 73% of respondents believe that trainings will help their employees to work more independently;
- 64% believe that employees have made clear progress;
- 82% state that the course had a positive effect on the employee's work in the company;
- All respondents indicated that the trainings was valuable and would send other employees of the company to it;
- 64 percent of employers said the trainings fully met their expectations;
- 91% stated that they would support the form of short-cycle studies in Lithuania.



Lecturer's survey results

The results of the surveys revealed that:

- The goals and results of the project were clear to the lecturers, the schedule of the lectures was satisfying, and in most cases, there was enough time to prepare.
- Participants are more interested in learning than regular students.



Project "Skilled-Up" trainings at Kaunas University of Applied Sciences





Project "Skilled-Up" trainings at Kaunas University of Applied Sciences



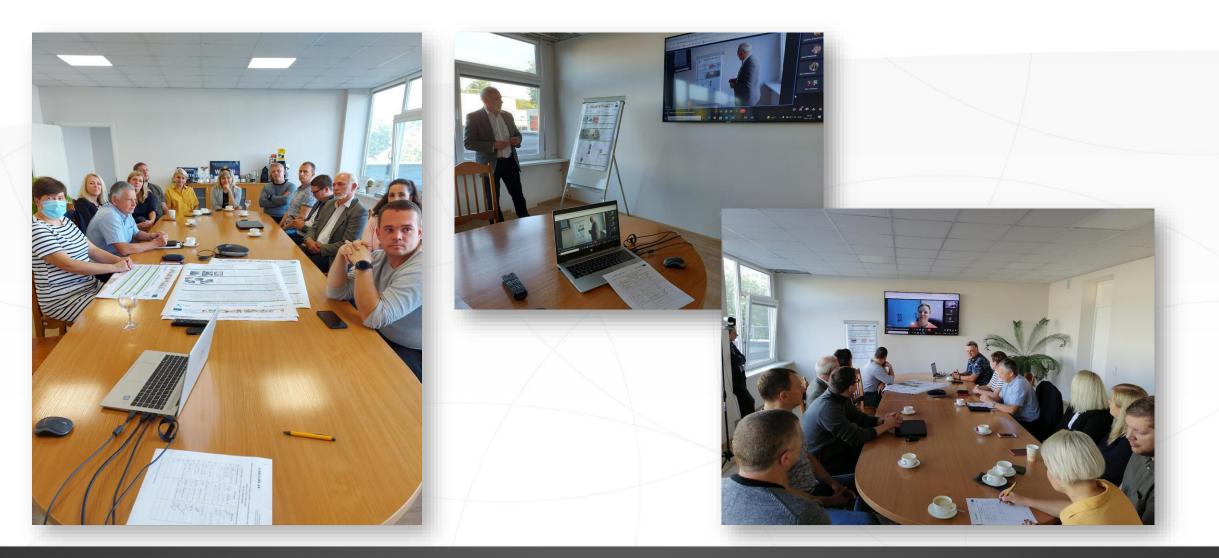


Project "Skilled-Up" remote trainings





And finally...





Project Management



SKILLED UP

Kėdė "Povo plunksnos"

Zenonas Tomkus, I.V."Dirbtuvėlė Darkiemis", Rita Lidžiuvienė, UAB Lauksva; Vilija Cibulskienė UAB Svenheim; Kestutis Vingiliauskas, UAB Šiauliu Gillija, Vytautas Lešas, UAB Šiauliu Gillija



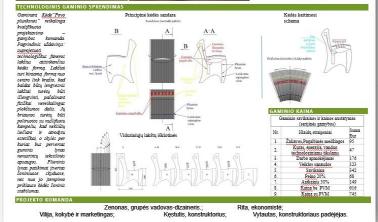
Projektas Kėdė Povo plunksnos" pretenduoja į sąsąją TRANSFORMUOJANTIS ir "ŽALLAS". Jos idėja kilo iš Li IRANSFORMOUNTIS IT ZALISS, vos tada nie in 1 lengego Popierinis Skulpitos ir pripuiziamos pagalvėlės dažkams pakėlis Sujungus meną su dombratu gavosi, kėdė į kurią astistektas pokščika atoličas apgaukia sedmčiajo pečius. Čia naudojanas, sustiskiančių, išėginių cilindrų priotipas. Galimi pritaikymo keliai – disaino srituje kuriant besitransformuojančius baldus priklausomai nuo sėdinčiojo

KAUNO KOLEGIJA

Kėdi "Porio plunktnos" būtų gaminama iš natūraių ir perdribamų mediagų – pulinis skydas, berlo fanera, guna, tekstilė, pilenas. Visos medveis detalės gaminamos CNC staktemis. Guminės pagalvėlės gaminamos valkanizavimo būdu, specializuosoje įmonėje. Kitos mediagos – elastinis guminis lynas, metalinis lynas ir kita furnitūra standartiniai gam niai. Medinės detalės paviršiaus apdirbimas, padengimas ir sųjungimai turi atitikti baldų gamybos reikalavimus. Reikalinga aukšta konstruktoriaus knalifikacija paruošti brėžinius, apskalčiuoti pagalvėlių tūrius ir aphrovas, kariot bus perduodanos į attivitekaus kėdėje. Surinkėjas turėtų įšmanyti baldų surinkimą, suprasti susisiekiančių pagalvėlių veikimo principą ir dirbti kūrybiškai. GAMINIO PR



Kėdė "Povo plunkznos" sudaryta iš 5mm storio beržo faneros lakštų turinčių atitinkamą kėdės formą. Abu šonai iš pušinio skydo su ažuoliniu porankiu. Skydai, priekinėje dalyje turi trikampio formos pastorinimus. Tų pastorinimų linijoje visi skydai sujungiami dviem plieniniais lonais ir iveržiama. Nuvarinėjė dalvie tarp skydų sudėtos guminės plokščios pagalvėlės ir viskas suverta ant guminių lynų, kurie palaiko suspaustas pagalvėles. Ant sėdimos dalies uždėta pagalvėlė per sisa plota ir pripūsta oro, jos visos yra sujungtos ruminiais vamzdeliais. Atsisėdus ant kėdės oras iš . sédynés pagalvélés išstumiamas į pagalvéles tarp kédés lakštų ir praplečia visą atlošą maždaug 40 procentų, iklausomai, nuo atsisėdusio svorio





SKILLED UP



Stalas - transformeris "Min & Max"

leva Jakštonienė, Kastytis Mockus, Rasa Rainienė, Ramūnas Ričkus, Justas Jonelis, Andrius Ankudinovas

PROJEKTO

Projekto idėja – staliukas transformenis. Šis gaminys išskirtinis, ne tik dėl specialaus mechanizmo, kuris iš kavos staliuko išsilanksto į valgomąjį stalą., tačiau taip pot dėl išskirtinio dizaino Staliukas tinka tiek vaikų tiek suagusiųjų grupėms

REIKALAVIM

Naudojama medžiaga – Klijuotas pušies masyvo skydas – ir metalinis rėmas.

stalas pagamintas naudojant transversi mayos akturalios medienos masyvo. Staliukui apdailinti, pritaikyta masyvo perforacija, naudojant CNC stakles. Medienos apdailai naudojamas ekologiškas dvigubo virimo, šalto spaudimo linų sėmenų aliejus. Gaminio saugumui užtikrinti turi būti neviršijama 45 kg apkrava; Gaminiui pagaminti reikalingos staklininko, dažytojo, surinkėjo kvalifikacijos.

SAMINIO PROTOTIPAS

lšskirtinio dizaino staliukas transformeris "MinBuMax" išsilanksto iš žemo kavos staliuko į dvigubą aukštą valgomąjį stalą. Kad aplinka būtų jaukesnė ir inovatyvi, ant motomų šonų atlikta perforacija - vertikaliai prafrezuoti grioveliai. Įstrižos kojelės suteikia gaminiui grakštumo, lengvumo ir elegancijos.



Masyvo skydai supjaustomi formatinėmis staklėmis. Ruošiniai perduodami prie CNC staklių, sugręžiamos skylės furnitūrai, nupjaunamos briaunos 45 laipsnių kampu bei atliekama ruošinių perforacija. Detalės siunčiamos į dažyklą, paruošiamos, alyvuojamos ir keliauja į surinkimą. Klijuojami kampai, susukama furnitūra



Nr.	Stralpsnial	Suma, Eur
1.	AdedZiagos	183.4
2.	Pagaibinés medžiagos (tiesloginés)	14.98
3.	Kuras, energija, vanduo (teslogines)	15.40
6.	Darbo apmokejimas (besioginis, 2 d.d.)	P0.00
5	Soc. Draudimas (1,77%)	1,50
5	Netlesiogines išlaidos	4,23
7	Gamybos sąnaudos (gamybinė savikaina) (nuo 1+ iki 6 str. suma)	309,69
5.	Veikios sąnaudos	6.20
	Savikalna (p/ino/i) (7+8)	315.08
10.	Peino priedas (antkalnis) 25 % nuo savikalnos	221,10
11.	Kaina be PVM	537,17
12.	Rinkos pardavimo kaina (pilus PVM 21%)	049.97

PROJEKTO KOMANDA

Rasa Rainienė - UAB "Lauksva", - projekto vadovė; leva Jokštonienė - UAB "Trukmė", - projekto administratoratorė; Kastylis Mockus - UAB "Eitsuut", - gamybos technologas; Ramūna Ričkus - AB "Silutės baldai" - ekonomistas, samatininkas; Justas Jonelis - AB "Silutės baldai" - gamybos darbuotojas; Andrius Ankudinovas - Individuali veikla - dizainas, kontruktyvas



Žurnalinis staliukas – "ReNew viskis"

Kęstutis Šukys (Individuali veikla), Deividas Mušauskas (UAB "Konvesta"), Mindaugas Naujokaitis (UAB "Baldai4U" ir MB "MN baldai"), Asta Sabaliauskienė (Individuali veikla), Kęstutis Sabaliauskas (UAB "Metalas ir mediena")

PROJEKTO IDĖJA

Mes ovvename vartotoliškoje kultūroje. O tai reiškia, kad oerkame daug daiktu, kuriu neoanaudojame arba ije tampa nebereikalingi ir dažnai juos tiesiog išmetame. Taip dideja gamtos išteklų naudojimas ir tarša. Tačiau labai didelę dalį panaudotų išteklų galima surinkti ir perdinti kaip antines žaliavas Kitas būdas - siekiant sukurti švaria, sveika ir stabilia aplinka – antrinis daiktu panaudojimas. Tai nėra tas pats, kas atlieku perdirbimas. Pavyzdžiui, senus korpusinius baldus galima perdirbti į drožilų plokštes, naujų baldų gamybai. Tai yra geras atliekų tvarkymo būdas, tačiau tai nėra pigiausias ar ekologiškausias variantas, nes perdirbant prarandama pradinė medžiagos vertė. O kai kažką atnaujiname, pasinaudodami kūrybiškumu ir originalumu, tai senus daiktus remention, nor processing provide tracking in the second second

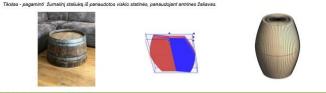
Senų daiktų naudojimas – puikus pasirinkimas, kuriant jaukius namus. Mūsų pačių sukurti ir prikelti antram gyvenimui daiktai sukuria nepakartojamą unikalią namų atmosferą.

manag minių autovanag. Mes pristatome staliuką, pagamintą iš ąžuolo statinės, su savo istorija. Ji buvo naudojama viskio brandinimui. Mums, kaip gamintojams, įdomi dėl konstrukcijos ir unikalių ąžuolo medienos savybių. Ąžuolo mediena tvirta, bet tuo pačiu lanksti, ir, svarbiausia, suteikia išskirtinį skonį gėrimui. Gėrimo skonis nuo skirtingų ąžuolo rūšių gaunamas vis kitoks, o tai savotiška mistika ir gera tema, sėdint prie jaukaus istorija kvepiančio staliuko.

REIKALAVIMAL

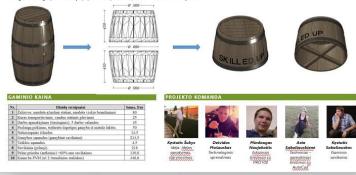
Gaminant staliuką pagrindinis tikslas buvo išlaikyti autentišką statinės išvaizdą, pritaikant buitiniam naudojimui, gamtos išteklių išsaugojimas, ir žmogaus poveikio aplinkai mažinimas. Ažuolo medienos statinės konstrukcija tvirta. Ją perpjovus buvo papildomai sutvirtinta apatinė staliuko dalis, ko pasekoje, dėl savo formos ir medžiagu, gaminys gavosi stabilus ir saugus naudojimui.

GAMINIO PROTOTI



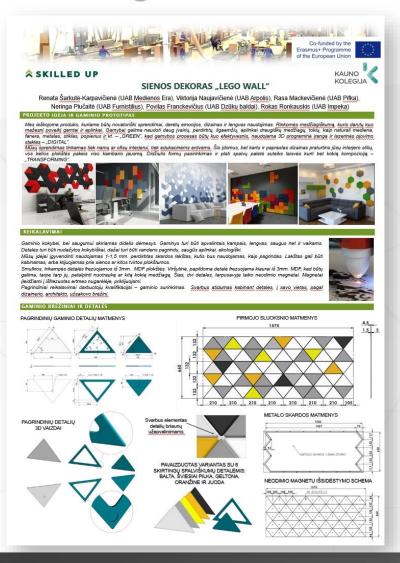
TECHNOLOGINIS GAMINIO SPRENI

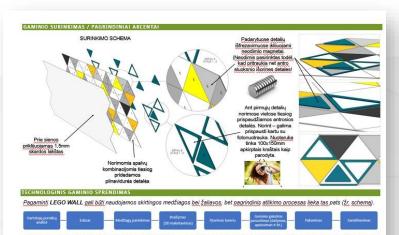
Perkama naudota ąžuolinė viskio statinė. Plaunama, pašalinant nešvarumus, nenaudojant chemijos, kad išliktų viskio aromatas. Vėliau statinė pjaunama per pusę, dugne įtvirtinami papildomi tašęliai, siekant suteikti tvirtumą. Ant statinės šono su dujiniu degikliu, naudojant metalinį trafaretą, šdeginamas logotipas. Gaminys papildomai apžiūrimas, atliekama vizualinė kokybės kontrolė.



KOLEGIJA

Project Management





Prieš sukuriant produkta mes kruopščiai išanalizavome rinką, jos poreikius ir žmonių grupes kam jis bus skirtas. Didelį dėmesį skyrėme diziano sprendimui, kadangi nuo jo priklauso gaminio patrauklumas, paklausa ir produktyvumas Projekte diegemi originalūs gaminio dizaino sprendimai, kurie bus škirti individuliai arba masinei gamybai, visa tai mums nesunkiai leidžia nadaryti pasirinktas technologinis procesas.

Supiovus detales lazeriu, mes galime rinktis, kaip jos bus apdirbamos. Galimas labai platus spektras, t.y.

res razeriu, mes daume rinkus, kaip jos pus ar * lakavimas * beicavimas, * dažymas įvairios sudėties ir specifikos dažais,

* spauda ant detalių (plati ornamentų ir raštų įvairovė), * aptraukimas medžiaga (kadangi mūsu delalės nėra didelės mes nesunkiai galime panaudoti antrines žaliavas!), * galimas detaliu miksavimas (Ly, vienos aptraukiamos audiniais, kitos dažomos ir tt.)



GAMINIO KAINA

		10.11			10	4	Darbo apmokėjimas (val.)	1.5	9.8	14.70	
	Išlaidų straipsniai	Kiekis	Kaina	Suma	VISO:						14.70
1	Metalo lakštas 1.5mm	0.94	2.48	2.33		5	Soc. Draudimas (1.77%)			_	0.17
	MDF 3mm	1.12				6	Netiesioginės išlaidos (40%)				
	Magnetukai	115	0.15	17.25		0					5.88
	Klijai	1	7	7.00		7	Gamybos sąnaudos				198.98
					29.67	8	Veiklos sąnaudos (8%)				11.76
2	Paslaugos:		(11		9	Savikaina (7+8)				210.74
	Pjovimas lazeriu	1.12				10	Antkainis (60%)				126.45
	MDF dažymas	1.12	53	59.36		11	Kaina be PVM (9+10)		6		337.19
-	Transporto paslaugos	-		50.00	98.56	12	PVM (21%)				70.81
2	Transporto pasiaugos			50.00	50.00	13	Pardavimo kaina su PVM (11+12)				408.00

Online konferenci



KAUNO **KOLEGIJA**

Project Management





Tomas Interesovas "UAB Theca furniture"

Kovos staliulas - transformeris , tai iprastas staliulas kurio viena dalis pasikelia per 6.5 cm ir prisitraukia arčiau sėdinčio ant sofas ar fotelio, palikdamas jo kojas po stalu taip leildamas patagiau valgyti, gert kavą ar net dirkti kompluterių. Aliuminis korpusas gradianas tikto viršus tinkantis ir svetainei ir terasol. Užsakymai ir pardariumi vykolami keitonininės erukje, klamas gal užsisokyti nau korpusao stratika paka.

- Aliuminio liejinio korpusas lengvas ir tvirtas nudažytas miltelinių būdu
- Tonuoto gridinto stiklo viršus 4mm stolo
 Viršutiniame stalo korpuse specialiai suprojektuotos vietos kojom leis dviem varžtais užtikrinti stabilesnes kojas (turi būti išlaikyti 90 laipsnių kampai)
- 8 lankstai pakeliamai daliai užtikirins šios dalies stabilumą ir tvirtumą
 Suvirinimas : pusgaminis bus siunčiama virinti (Galima pasigilinti kokie atsiliepimai apie įmonę, kokios darbuotojų kvalifikacijos)
- Darbininkas su 1m. patirtimi baldu surinkime , darbu su metalu (spec. kvalifikacija nebūtina)





Eil.nr.	Išlaidų straipsniai	Suma Eur.
1	Žaliavos, Pagalbinės medžiagos	98,4
2	Kuras, energija, vanduo technologiniams tikslams	3,5
3	Darbo apmokėjimas	33,3
4	Paslaugų pirkimas	55
5	Netiesioginės išlaidos	3,5
6	Gamybos sąnaudos	193,7
7	Veiklos sanaudos	7.5
8	Savikaina	201,2
9	Pelno priedas	20 %
11	Kaina be PVM	241.44

Iš kvadratinio 20x20 2mm storio ir stačiakampio 20x40 2mm storio aliuminio lielinio vamzdžiu išpiaunamos reikiamo ilgio detalės;

Gavus detales patikriname suvirinimo siúles. Visos stalo metalinės detalės siunčiamos dažymui Gavus detales patikriname dažymo kokybę Patikrinus detales surenkamas stalas Priklijuojamas stiklas Patikrinama ar stalas stabilus sklandžiai veikia pakeliamoji dalis Nusukamos koios

Išgręžiamos skylės (darbininkas išgręžė gręžimo staklėmis) Siunčiame detales suvirinti

Supakuojame ir išsiunčiam klientui.



For further information

- Dr. Giedrius Gecevičius giedrius.gecevicius @go.kauko.lt
- Vytautas Čapas vytautas.capas @go.kauko.lt
- Viktorija Gudauskaitė viktorija.gudauskaite@go.kauko.lt







The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

<u>https://www.youtube.com/watch?v=qA1Mi36qfOM</u>

