

# THE ROAD STARTS HERE



>>THE ROAD STARTS HERE

2017

**PK**Group

## AB Panevėžio Keliai group of companies

- ✓ **12 million square metres** of roads and parking lots with asphalt surface per year;
- ✓ **300,000 square metres** of floor space of buildings per year;
- ✓ **50,000 kilometres** of engineering networks per year;
- ✓ **3,750** skilled professionals.

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Acquired experience and intellectual potential allow us to manage projects worth up to 300 million Euros



# AB Panevėžio Keliai management

## Council of Observers



Rasa Juodviršienė,  
Chairwoman



Giedrius Stasevičius



Almantas Balčėtis

## The Board



Ksaveras Balčėtis,  
Chairman



Remigijus Juodviršis



Audrius Balčėtis



Audrius Butkūnas



Artūras Bučas



## AB Panevėžio Keliai management Administration



Director General  
Virmantas Puidokas



Technical Director  
Vilius Gražys



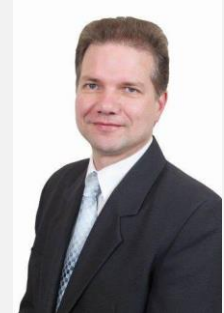
Deputy Director General  
for Marketing  
Algimantas Janušauskas



Director of Finance and  
Economics  
Danutė Valentina Blaškienė



Project Director  
Audrius Butkūnas



Director of Commerce  
Rolandas Zabiliavičius



Director of Development  
Eugenijus Rečiūnas



Director of Panevėžys  
Branch  
Arvydas Zapalskis



Director of Rokiškis  
Branch  
Gintaras Genys



Director of Latvian  
Branch  
Vitalis Maršcionka



Acting Chief Accountant  
Inga Jurevičienė



# AB Panevėžio Statybos Trestas (PST) management

## The Board



Remigijus Juodviršis,  
Chairman



Virmantas Puidokas



Vilius Gražys



Artūras Bučas



Audrius Balčėtis

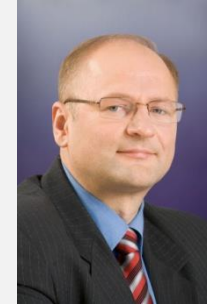
## AB Panevėžio Statybos Trestas (PST) management Administration



Director General  
Dalius Gesevičius



Administration Director  
Audrius Varis



Sales Director  
Robertas Šulskis



Technical Director  
Vidas Šlivinskas

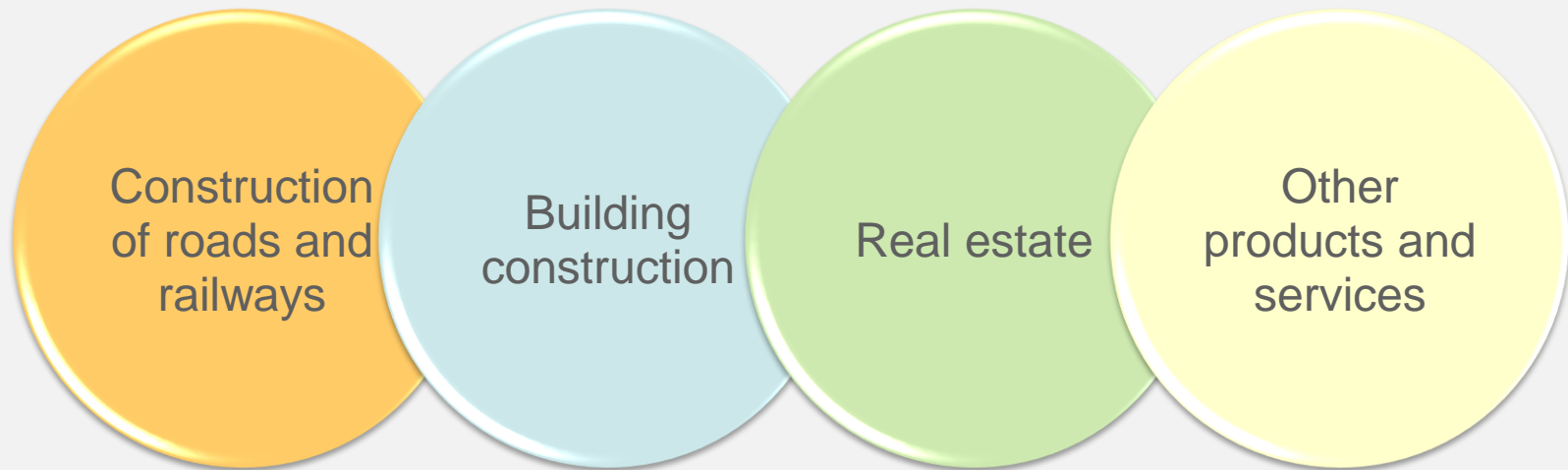


Construction Director  
Darius Urbonas



Commercial Director  
Justas Jasiūnas

## AB Panevėžio Keliai group of companies with PST fields of business





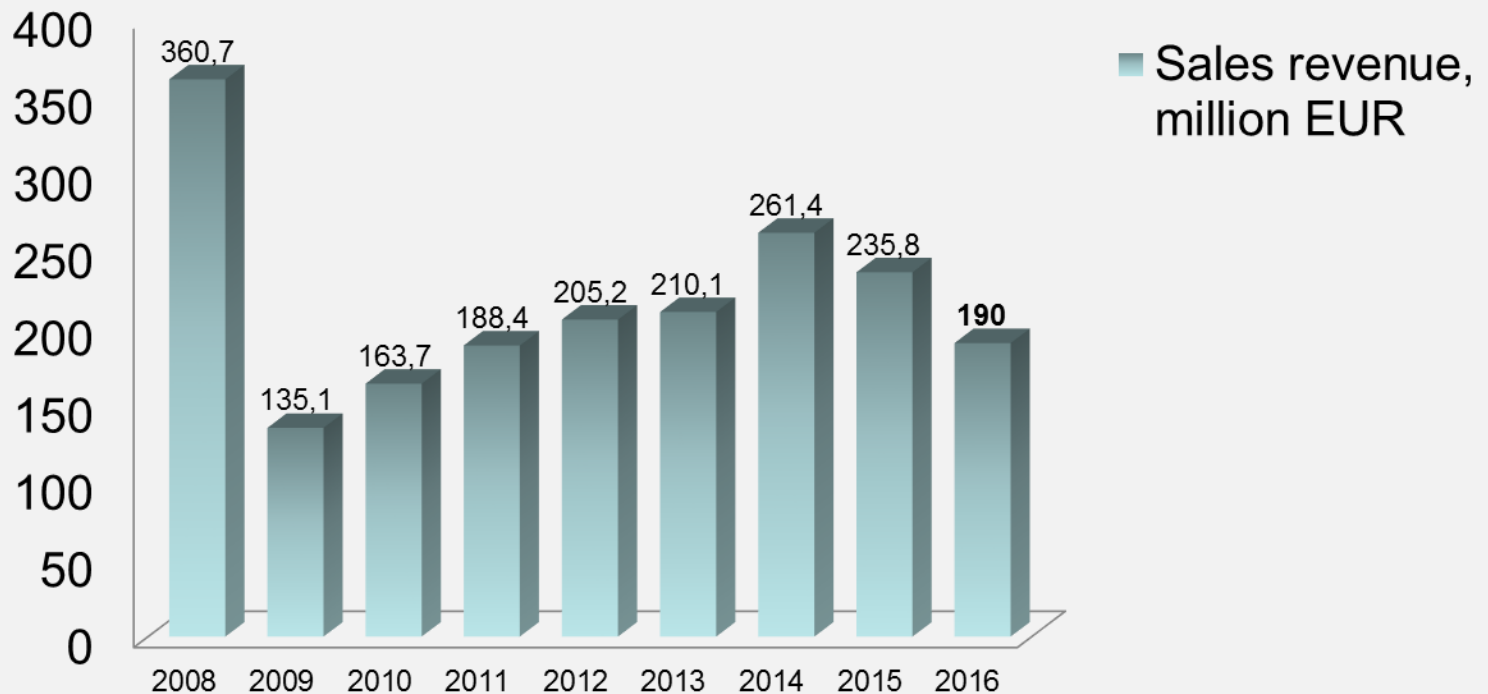
## AB Panevėžio Keliai group of companies with PST geography



## AB Panevėžio Keliai group of companies

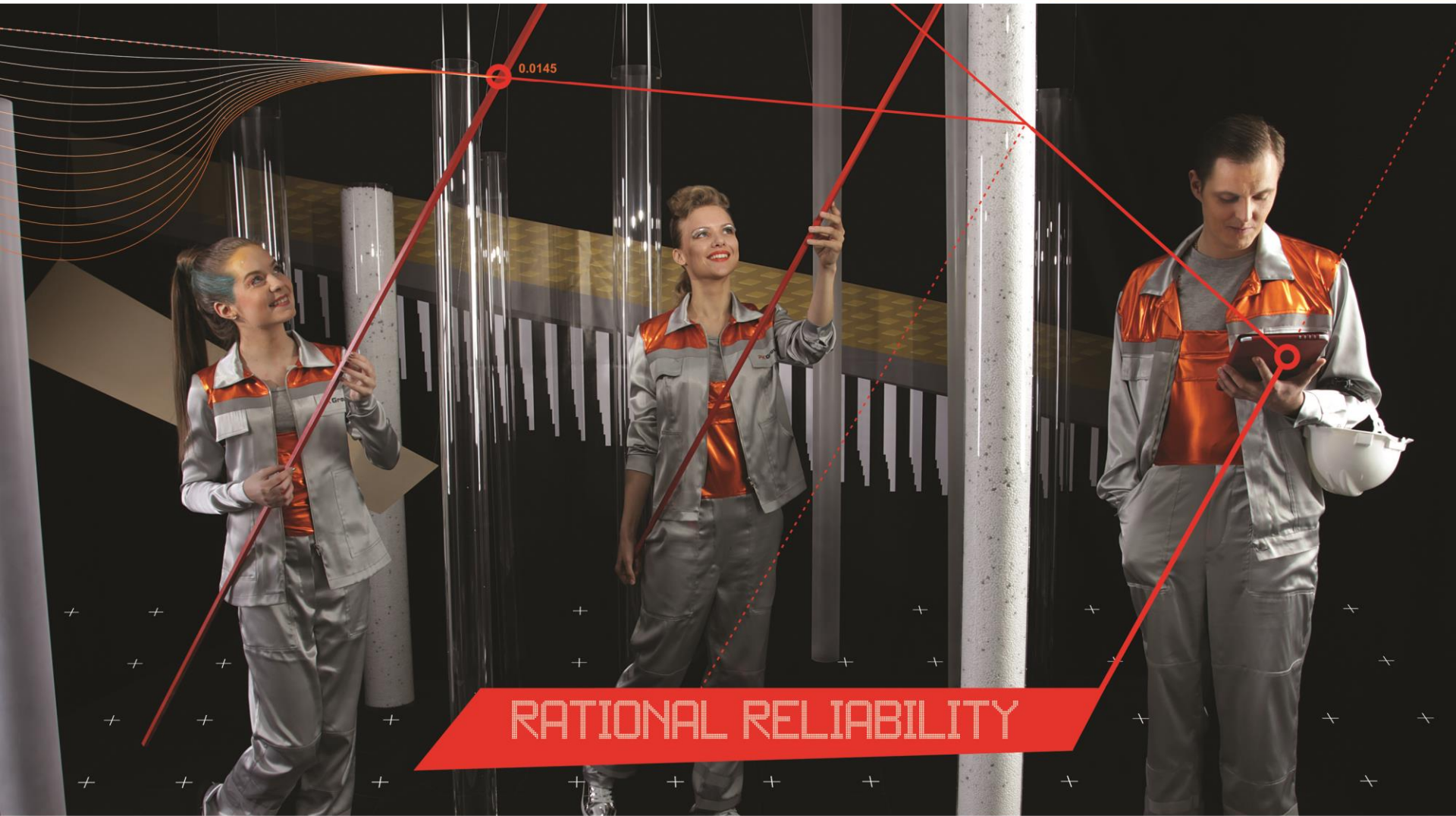


## AB Panevėžio Keliai group of companies with PST sales revenue





# THE ROAD STARTS HERE



RATIONAL RELIABILITY

## Road construction group

**PK**Group

## AB Panevėžio Keliai road construction group

	Sales revenue, million EUR 2016	Sales revenue, million EUR 2015	Sales revenue, million EUR 2014	Sales revenue, million EUR 2013	Sales revenue, million EUR 2012	Sales revenue, million EUR 2011	Sales revenue, million EUR 2010
AB Panevėžio Keliai	49,6	77.50	113.97	78.47	73.33	56.8	73.6
UAB Ukmergės Keliai	12,852	12.304	9.714	9.43	6.8	8.4	7.2
UAB Sostinės Gatvės	6,562	5.803	5.134	4.46	3.59	4.4	3.0
UAB Aukštaitijos Traktas	4,469	7.055	11.957	6.26	5.93	7.4	5.1
UAB Zarasų Automobilių Keliai	1,131	1.098	1.661	1.31	1.5	1.2	1.1
UAB Dangų Emulsija	1,465	1.657	1.593	3.93	1.41	2.8	0.57
SIA Latgales Celdaris	5,615	5.606	6.071	6.35	8.63	8.02	4.0
SIA Union Asphalttechnik	2,602	3.925	3.881	4.02	5.35	3.6	2.6
OOO Baltdormostroj	18,326	12,922	18.922	30.61	26.64	30.1	18.7
OOO Dorogi Baltiki	1,379	1.313	1.473	1.87	2.28	2.3	2.1
AB PK Road	0,211	-	-	-	-	-	-

## Accredited specialists

	LITHUANIA	LATVIA	KALININGRAD (RUSSIAN FEDERATION)
Project managers	18	3	4
Construction managers for special buildings	97	10	
Technical supervisors of special buildings' construction	50	2	
Building's project design managers	13		
Cultural heritage protection specialists	6		
Mining specialists and foremen	89	63	
Asphalt-concrete mixer and crushing-sorting machinery operators	32	4	4
Asphalt paving operators	40	6	3
Economists and accountants	30	8	5
High-scalers, lifting cranes' maintenance specialists, their foremen, machinists and electricians, machinery operators, pressure vessel maintenance specialists and operators, metal welders, gas supervision specialists	419	17	10
Other attested specialists of various profiles	365	38	23





## Specialized road construction machinery

	LITHUANIA	LATVIA	KALININGRAD OBLAST (RUSSIAN FEDERATION)
Asphalt-concrete pavers	16	6	4
Excavators	42	6	6
Bulldozers	28	4	4
Emulsion sprinklers	7	2	
Special vehicles	40	6	11
Transportation platforms	13	3	3
Auto-graders	31	3	2
Asphalt milling machines	9	4	3
Frontal loaders	42	5	5
Various vibratory rollers	52	17	15
Bulk dumpers and tow-trucks with semi-trailers for various purposes	51	4	30



## Capacity of the production bases

	LITHUANIA	LATVIA	KALININGRAD OBLAST (RUSSIAN FEDERATION)	UKRAINE
Production of asphalt	1,200 tons/ hour	240 tons/hour	200 tons/hour	
Production of crushed granite	140,000 tons/ year			
Recycling of ferroconcrete scrap	20,000 tons/year			
Production of cold asphalt	10,000 tons/ year			
Production of polymer bitumen	10,000 tons/ year			
Production of bitumen emulsion	60,000 tons/ year			30,000 tons/ year
Production of concrete and ferroconcrete products	155,000 cubic metres/ year		65,000 cubic metres/ year	
Production of reinforcing steel	700 tons/ year			
Production of gravel	70,000 tons/ year			



## AB Panevėžio Keliai qualifications

AB Panevėžio Keliai is a certified contractor of special structures.

### Structures:

- ✓ non-residential buildings;
- ✓ transport and communications;
- ✓ engineering networks;
- ✓ other structures;
- ✓ cultural heritage structures.

### Construction work fields:

- ✓ general construction works (except façade insulation);
- ✓ construction of water supply and sewage disposal networks;
- ✓ trenchless construction of engineering networks;
- ✓ construction of building water supply and sewage disposal systems;
- ✓ construction of heat delivery networks;



Qualifications





## AB Panevėžio Keliai qualifications

AB Panevėžio Keliai is a certified contractor of special structures.

### Construction work fields:

- ✓ installation of heating and ventilation engineering systems in buildings;
- ✓ installation of heating technological engineering systems;
- ✓ installation of electricity delivery and distribution equipment (110 kW voltage);
- ✓ construction of electric power lines (110 kW voltage);
- ✓ installation of electricity engineering systems in buildings;
- ✓ installation of process management and computerisation systems;
- ✓ installation of distance communications (telecommunications) engineering systems in buildings;
- ✓ installation of safety alarm and fire safety (alarm) engineering systems in buildings.



## Certificates



AB Panevėžio Keliai has the production control system certificates issued by authorized institutions for the company's manufactured products -

✓ Asphalt-concrete used for roads and other traffic zones;

✓ Crushed stone and mastic asphalt used for roads and other traffic zones.

## Certificates

AB Panevėžio Keliai has the production control system certificates issued by authorized institutions, stating that the company's manufactured products' -

✓ Crushed granite used in bitumen mix for roads, airfields and other traffic zones, and surface processing layer;

✓ Sand 0/2, granite bran 0/2, and granite bran and crushed granite mixture 0/5 used in bitumen mix for roads, airfields and other traffic zones, -

production control system complies with the LST EN 13043+AC:2004 regular standard's requirements.

VALSTYBES ĮMONĖ „PROBLEMATIKA“  
Gaišva g. 1, LT-02241 Vilnius, Lietuvos Respublika

**GAMYBOS KONTROLĖS SISTEMOS  
SERTIFIKATAS**  
1567-CPD-0004

Vadovaujantis statybos techninio reglamento STR 1.01.04, įsteigiančio Lietuvos Respublikoje 1988 m. gruodžio 21 d. Europos Bendrijos Tarybos Direktyva 89/100/EEC „Dėl valstybių narų įstatymų, reglamentų ir kitų teisinių aktų, susijusių su statybos produktais, suvienodinimo“ (statybos produktų direktyva - CPD), ir ją papildančios 1993 m. lapio 22 d. Europos Bendrijos Tarybos Direktyvos 93/68/EEC nuostatomis, patvirtinama, kad statybos produktas

**KELIŲ MINERALINĖ MEDŽIAGA**

tipas pagal LST EN 13043+AC:2004 - *stambioji mineralinė medžiaga fr. 2/5, fr. 5/8, fr. 8/11, fr. 11/16 (granito skaldė)*

naudojama kelių, skridimo aikštelių ir kitų didesnių zonų bituminiams mišiniams ir paviršiaus apdorojimo sluoksniui

gaminama pagal LST EN 13043+AC:2004 gamintojo

**AB „Panevėžio keliai“**,  
S. Kerbedžio g. 7, LT-35104 Panevėžys

Panevėžio gamybinėje bazėje, esančioje

**Tiekimo g. 14, 15-35100 Panevėžys**

gaminamos atliko pradinis produkto tipo bandymas ir vadovaujasi vidine gamybos kontrolės sistema, atlieka nuolatinius pagal nustatytą planą gamyboje išimtį iminių bandymus, o

**Notifikuota įstaiga valstybės įmonė „Problematika“**

atliko pradinį gamybos bei gamintojo gamybos kontrolės sistemos įvertinimą, atitinkant nuolatinę gamybos kontrolės priežiūrą, vertinimą ir patvirtinimą.

Siu sertifikatas liudija, kad visos gamybos kontrolės sistemos atitikties įvertinimo nuostatos buvo išgyvendintos pagal standartą

**LST EN 13043+AC:2004**

ZA prideda reikalavimus.

Siu sertifikatas pirmą kartą išduotas 2007-05-10 ir galioja kol atitinka daromojo standarto reikalavimus, arba iki reikiamos gamybos sąlygų gamyboje ar gamybos kontrolės sistemos pakitimo.

Vilnius,  
2007 m. gegužės 10 d.

Darjūkas Michailas  
VI „Problematika“ direktoriaus

FORMA KM-08B EC

VALSTYBES ĮMONĖ „PROBLEMATIKA“  
Gaišva g. 2, LT-02241 Vilnius, Lietuvos Respublika

**GAMYBOS KONTROLĖS SISTEMOS  
SERTIFIKATAS**  
1567-CPD-0033

Vadovaujantis statybos techninio reglamento STR 1.01.04, įsteigiančio Lietuvos Respublikoje 1988 m. gruodžio 21 d. Europos Bendrijos Tarybos Direktyva 89/100/EEC „Dėl valstybių narų įstatymų, reglamentų ir kitų teisinių aktų, susijusių su statybos produktais, suvienodinimo“ (statybos produktų direktyva - CPD), ir ją papildančios 1993 m. lapio 22 d. Europos Bendrijos Tarybos Direktyvos 93/68/EEC nuostatomis, patvirtinama, kad statybos produktas

**KELIŲ MINERALINĖ MEDŽIAGA**

tipas pagal LST EN 13043+AC:2004 - *smulkią mineralinę medžiagą 0/2 (smėlį), smulkią mineralinę medžiagą 0/2 (granito atžangų) ir mineralinės medžiagos mišinys 0/5 (granito atžangų ir skaldos mišinys)*

naudojama kelių, skridimo aikštelių ir kitų didesnių zonų bituminiams mišiniams

gaminama gamintojo

**AB „Panevėžio keliai“**,  
S. Kerbedžio g. 7, 35104 Panevėžys

Panevėžio gamybinėje bazėje,  
**Tiekimo g. 14, 35100 Panevėžys**

gaminamos atliko pradinis produkto tipo bandymas ir vadovaujasi vidine gamybos kontrolės sistema, atlieka nuolatinius pagal nustatytą planą gamyboje išimtį iminių bandymus, o

**Notifikuota įstaiga valstybės įmonė „Problematika“**

atliko pradinį gamybos bei gamintojo gamybos kontrolės sistemos įvertinimą, atitinkant nuolatinę gamybos kontrolės priežiūrą, vertinimą ir patvirtinimą.

Siu sertifikatas liudija, kad visos nuostatos, susijusios su gamybos kontrolės sistemos atitiktimi, atitinka standartą

**LST EN 13043+AC:2004**

ZA prideda, buvo taikytos.

Siu sertifikatas pirmą kartą išduotas 2008-11-12 ir galioja kol gamybos kontrolės sistema atitinka daromojo standarto reikalavimus arba iki reikiamos gamybos sąlygų gamyboje ar gamybos kontrolės sistemos pakitimo.

Vilnius,  
2008 m. lapkričio 12 d.

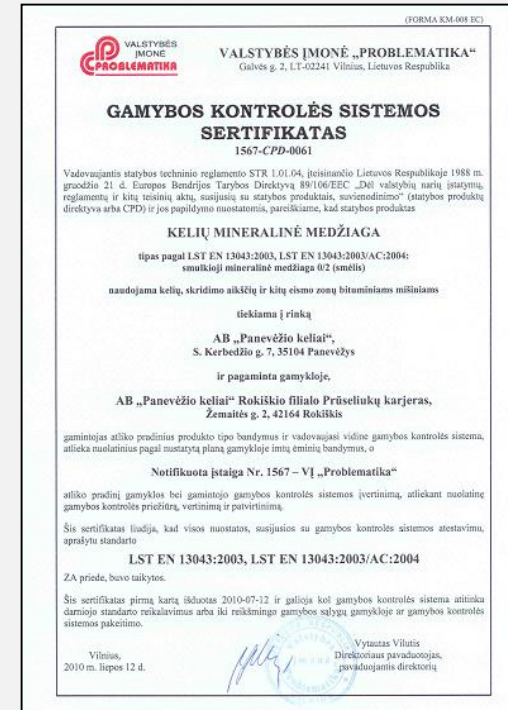
Darjūkas Michailas  
VI „Problematika“ direktoriaus

## Certificates

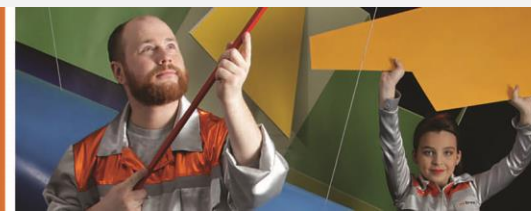
AB Panevėžio Keliai has the production control system certificate issued by authorized institutions, stating that the company's manufactured product's -

✓ **Sand 0/2 used in bitumen mix for roads, airfields and other traffic zones;**

production control system complies with the LST EN 13043:2003 and LST EN 13043:2003/AC:2004 regular standards' requirements.



## Qualifications





## Certificates

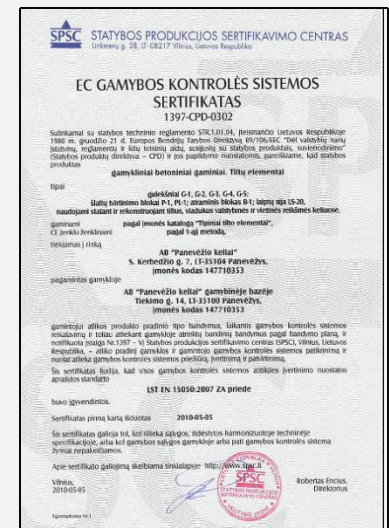
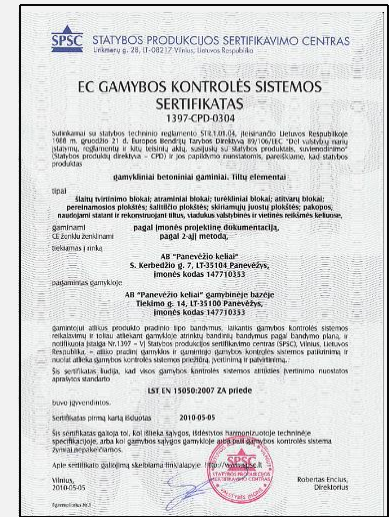


EC production control system certificates permit the company to label its manufactured concrete products with CE sign that is recognized in the EU. Such products include:

✓ Bridge elements: slope strengthening blocks, retaining blocks, railing blocks, enclosure blocks, tiers, intermediate plates, sidewalk blocks and central reservation slabs used for construction and reconstruction of bridges and viaducts on roads of local and national significance;

✓ Bridge elements: ledgers, slope strengthening blocks, retaining blocks and stair beams used for construction and reconstruction of bridges and viaducts on roads of local and national significance.

The certificates state that the products' production system complies with the requirements of the LST EN 15050:2007 standard's appendix ZA.





## Certificates

Production control system certificates permit the company to label its manufactured concrete products with C€ sign that is recognized in the EU. Such products include:

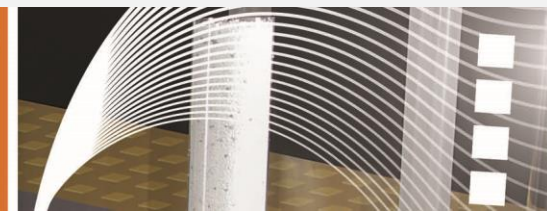
- ✓ **Bridge elements: regular concrete, non-tensioned, used in construction and reconstruction of bridges and viaducts on roads national and local significance.**

The certificates state that the product manufacturing system conforms to the LST EN 15050:2007+A1:2002\* ZA standard requirements.

\* - This standard has been accepted as a Lithuanian national standard.



## Qualifications

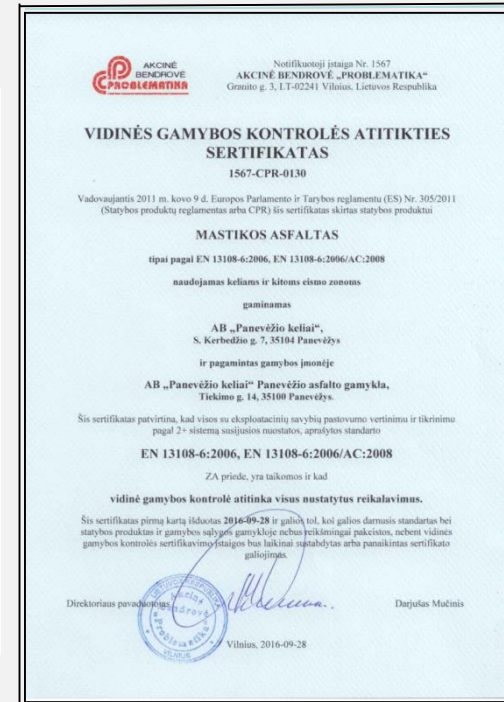


## Certificates

AB Panevėžio Keliai has an internal production control certificate, issued by the relevant authorities, stating that the company's manufactured building product:

✓ **Mastic asphalt,**

used for construction of roads and other traffic zones, conform to the requirements of standard EN 13108-6:2006, appendix EN 13108-6:2006/AC:2008 ZA.



## Qualifications

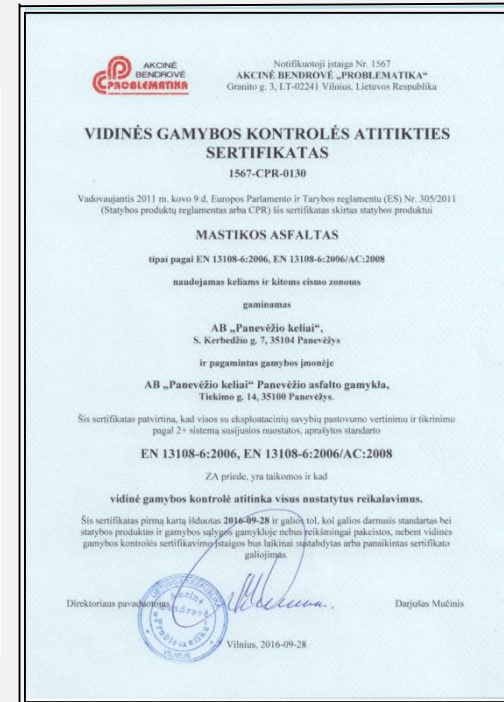


## Certificates

AB Panevėžio Keliai has an internal production control certificate, issued by the relevant authorities, stating that the company's manufactured building product:

✓ **Road mineral aggregate,**

used in bitumen mixtures for roads, airport runways and other traffic zones, conform to the requirements of standard EN 13043:20062, appendix EN 13043:2002/AC:2004 ZA.



## Qualifications



## Certificates



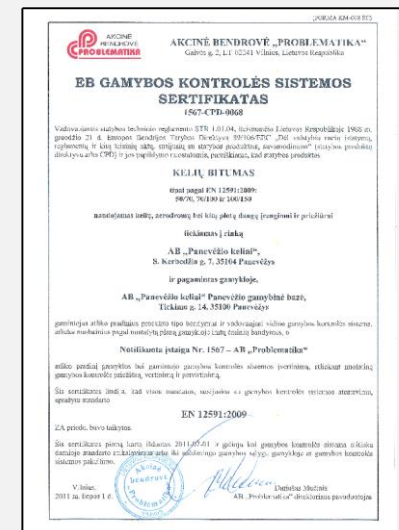
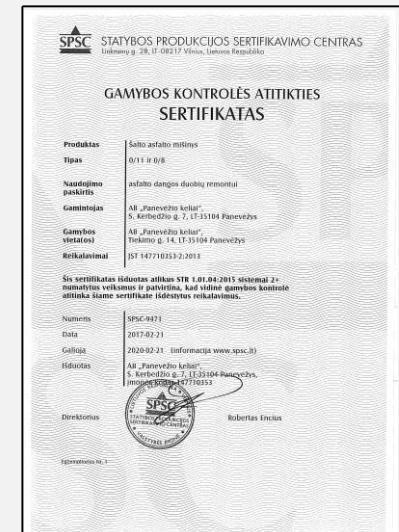
Authorized institutions issued AB Panevėžio Keliai with conformity certificate that gives the right to mark the production with the building production certification sign PSZ-1.

### ✓ Cold asphalt-concrete 0/11 and 0/8

Authorized institutions issued AB Panevėžio Keliai with EB production control system certificate, stating that the company's manufactured building product -

### ✓ Road bitumen 50/70, 70/100, 100/150 -

used for pavement and maintenance of roads, airfields and other paved areas, meets the requirements of EN 12591:2009 ZA standard addition. That gives the right to mark the production with the building material certification C€ sign that is recognized in the EU.





## Certificates



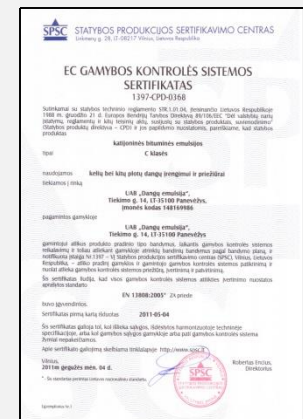
AB Panevėžio Keliai has the production control certificate issued by the Certification Centre of Building Products that allows the company to manufacture

✓ **Polymer-modified bitumen.**

AB Panevėžio Keliai subsidiary company UAB Dangų Emulsija has the production control certificate issued by the Certification Centre of Building Products that allows it to manufacture

✓ **Cationic bitumen emulsions.**

EC production control system certificates permit the company to label its manufactured bitumen products with CE sign that is recognized in the EU,.



## Qualifications



## Certificates

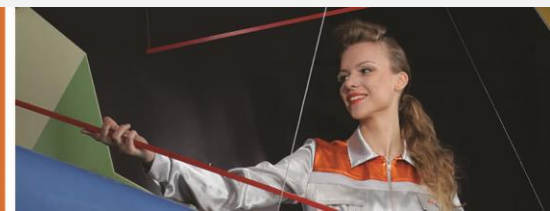
Authorized institutions issued AB Panevėžio Keliai with conformity certificates that give the right to mark the production with the building production certification sign PSZ-1.

### ✓ Normal concrete of various types.

complies with the compulsory LST EN 206-1:2002, LST EN 206-1:2002/A:2004, LST EN 206-1:2002/A2:2005 and LST 1974:2005 mixture consistency, concrete density and compressive strength requirements.

 <b>STATYBOS PRODUKCIJOS CERTIFIKAVIMO CENTRAS</b> <small>Likimėnų g. 28, LT-08217 Vilnius, Lietuvos Respublika</small>	
<b>EXPLOATACINIŲ SAVYBIŲ PASTOVUMO SERTIFIKATAS</b>	
<b>Produktas</b>	sumušis betonas
<b>Tipas</b>	C30/37; D <sub>max</sub> 16
<b>Naudojimo paskirtis</b>	statybos vietoje ir gamykloje gaminamoms konstrukcijoms, surenkamiems statinių elementams ir statybinėms konstrukcijoms
<b>Eksploatacinės savybės</b>	mišinio slankumo klasė - S2 pagal LST EN 12350-2; didžiausias chloridų jonų kiekis pagal cemento masę - 0,10%; betono tankis >2400kg/m³, pagal LST EN 12390-7; kitos aplinkos poveikio klasės: C30/37 - XC4 - XF4 - XD2 - XA1 - F300(I) - W10(I)
<b>Gamintojas</b>	AB „Panevėžio keliai“, S.Kerbedžio g. 7, LT-35104 Panevėžys
<b>Gamybos vieta</b>	AB „Panevėžio keliai“, Tiekimo g. 14, LT-35100 Panevėžys
<b>Reikalavimai</b>	LST EN 206-2014 (EN 206:2013) ir LST 1974:2012
Šis sertifikatas išduotas atlikus STR 1.01.04:2013 sistemai 1+ numatytus veiksmus ir patvirtina, kad nurodytas produktas atitinka šiame sertifikate išdėstytus reikalavimus.	
<b>Numeris</b>	SPSC-9300
<b>Data</b>	2014-07-31
<b>Galioja</b>	2017-07-31 (informacija <a href="http://www.spsc.lt">www.spsc.lt</a> )
<b>Išduotas</b>	AB „Panevėžio keliai“, S.Kerbedžio g. 7, LT-35104 Panevėžys, įspūdis kodas 147710353
<b>Direktorius</b>	 Robertas Encius
<b>Įspūdis kodas</b>	147710353
<small>V) Statybos produkcijos sertifikavimo centras akredituota Nacionalinio akreditacijos biuro pagal LST EN 45013 (akreditavimo pažymėjimas Nr. LA.03.004) ir paskirta aplinkos ministro įsakymu statybos produktų sertifikavimo įstaiga</small>	

## Qualifications





## Certificates

Authorized institutions issued AB Panevėžio Keliai with conformity certificates that give the right to mark the production with the building production certification sign PSZ-1.

### ✓ Normal marketable concrete

complies with the compulsory LST EN 206-1:2002, LST EN 206-1:2002/A1:2004, LST EN 206-1:2002/A2:2005, LST 1974:2005, LST 1974:2005/1K:2010 mixture consistency, concrete density and compressive strength requirements.

 <b>STATYBOS PRODUKCIJOS CERTIFIKAVIMO CENTRAS</b> <small>Likimėjų g. 28, LT-08217 Vilnius, Lietuvos Respublika</small>	
<b>EKSPLOATACINIŲ SAVYBIŲ PASTOVUMO CERTIFIKATAS</b>	
<b>Produktas</b>	normalusis betonas
<b>Tipas</b>	C12/15, C16/20, C20/25, C25/30, C30/37, C35/45, C 45/55; D <sub>max</sub> 16
<b>Naudojimo paskirtis</b>	statybos vietoje ir gamykloje gaminamoms konstrukcijoms, surenkamiems statinių elementams ir statybioms konstrukcijoms
<b>Eksploatacinės savybės</b>	<p>mišinio slankumo klasė – S1+S3 pagal LST EN 12350-2;</p> <p>didžiausias chloridų jonų kiekis pagal cemento masę – 0,10%;</p> <p>kitos savybės, priklausomai nuo betono stiprumo klasės:</p> <p>C12/15, 16/20, 20/25) Nr. C20/25 - NC1; C25/30 - NC2;            C30/37 - NC4 - NC1 - NC1 - NC1 (LT) - W10(LT);            C16/20 - NC1(LT) - W2(LT); C20/25 - NC2(LT) - W4(LT);            C25/30 - NC3(LT) - W6(LT); C25/30 - NC4 - NC2 - NC2 (LT) - W6(LT);            C30/37 - NC4 - NC4 - NC2 - NC1 - NC1 (LT) - W10(LT);            C30/37 - NC4 - NC3 - NC1 - NC2 (LT) - W10(LT);            C35/45, C45/55 - NC4 - NC3 - NC1 - NC2 (LT) - W12(LT)</p>
<b>Gamintojas</b>	AB „Panevėžio keliai“ S. Kerbedžio g. 7, LT-35104 Panevėžys
<b>Gamybos vieta</b>	AB „Panevėžio keliai“ Tiekimo g. 14, LT-35100 Panevėžys
<b>Reikalavimai</b>	LST EN 206:2014 (EN 206:2013) ir LST 1974:2012
<p>Sis sertifikatas išduotas atlikus STR 1.01.04:2013 sistemai 1+ numatytus veiksmus ir patvirtina, kad nurodytas produktas atitinka šiame sertifikate išdėstytus reikalavimus.</p>	
<b>Numeris</b>	SPSC-9004
<b>Data</b>	2014-06-30 (pirmo išdavimo data 2011-09-30)
<b>Galioja</b>	2017-09-30 (informacija www.spssc.lt)
<b>Išduotas</b>	AB „Panevėžio keliai“ S. Kerbedžio g. 7, LT-35104 Panevėžys. Imonės kodas 142747533
<b>Direktorius</b> <small>(egzempliaras Nr. 1)</small>	 Robertas Encius
<p><small>V) Statybos produkcijos sertifikavimo centras akredituota Nacionalinio akreditacijos biuro pagal LST EN 45011 (akreditavimo pažymėjimas Nr. LA 01.004) ir patvirtina, kad atitinka reikiamus reikalavimus.</small></p>	

## Qualifications

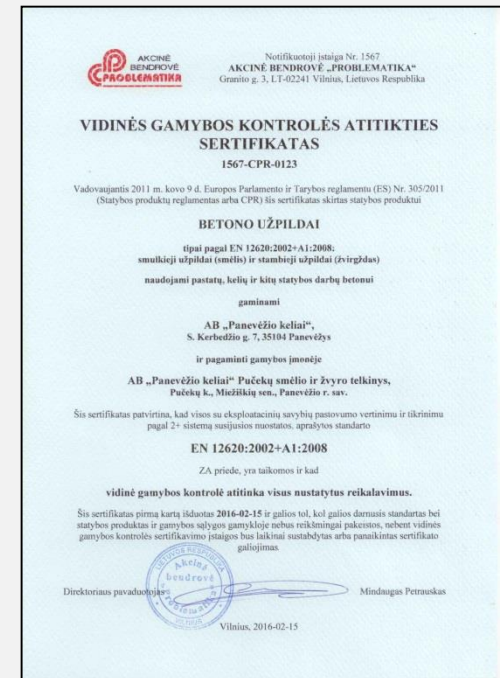


## Certificates

Authorized institutions issued AB Panevėžio Keliai with the internal production control certificate, stating that the company's manufactured building product -

✓ **Concrete aggregates: fine aggregates (sand) and coarse aggregates (gravel) -**

used for manufacturing concrete for buildings, roads and other construction works, complies with the requirements of EN 12620:2002+A1:2008 ZA standard's appendix.



## Qualifications



## Certificates

Authorized institutions issued AB Panevėžio Keliai with the production control certificate, stating that the company's manufactured building products –

- ✓ **Ferroconcrete bridge elements used for vehicular, railway and pedestrian bridges, -**

comply with the requirements of LST EN 15050:2007+A1:2012 ZA standard's appendix.



Authorized institutions issued AB Panevėžio Keliai with the production control certificate, stating that the company's manufactured building products –

- ✓ **Ferroconcrete stair elements used for bridges and other transport structures, -**

comply with the requirements of LST EN 14843:2007 ZA standard's appendix.





## Certificates

Authorized institutions issued AB Panevėžio Keliai with conformity certificates that give the right to mark the production with the building production certification sign PSZ-1.

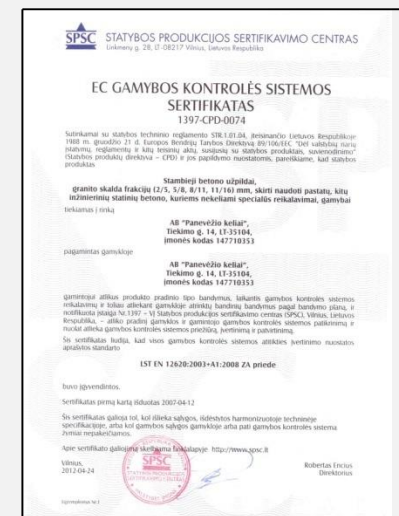
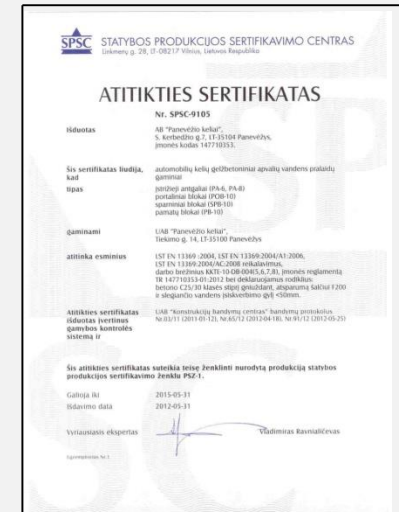
✓ **Products of ferroconcrete water culverts: diagonal heads, portal blocks, aliform blocks, foundation blocks –**

comply with the compulsory LST EN 13369:2004, LST EN 13369:2004/A1:2006 and LST EN 13369:2004/AC:2008 requirements and ST 8871063.01:2002 work schemes.

AB Panevėžio Keliai has the production control system certificate issued by authorized institutions, stating that the company's manufactured construction products –

✓ **Coarse concrete aggregates, crushed granite 2/5, 5/8, 8/11, 11/16 used in the production of concrete for buildings and engineering constructions that does not have special requirements –**

comply with the requirements of LST EN 12620:2003+A1:21008 ZA standard's appendix.





## Certificates

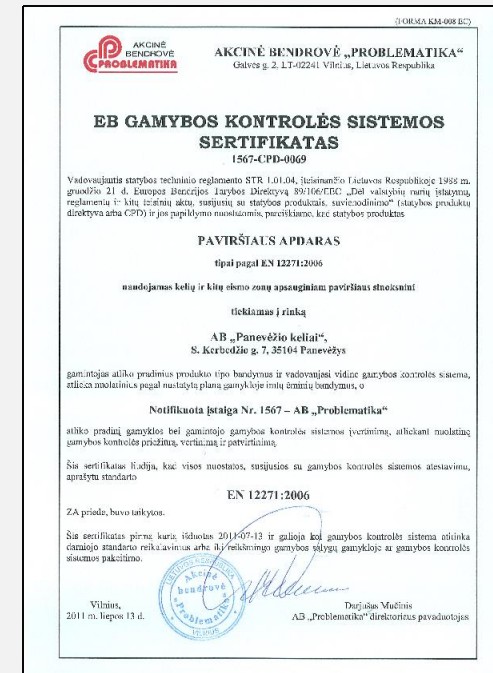


Authorized institutions issued AB Panevėžio Keliai with EB production control system certificate, stating that the company's manufactured building product -

### ✓ Surface coating

Used for protective surface layer of the roads and other traffic zones. Meets the requirements of the EN 12271:2006 ZA standard's appendix.

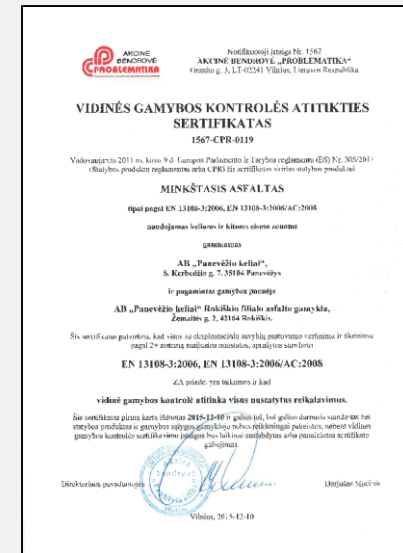
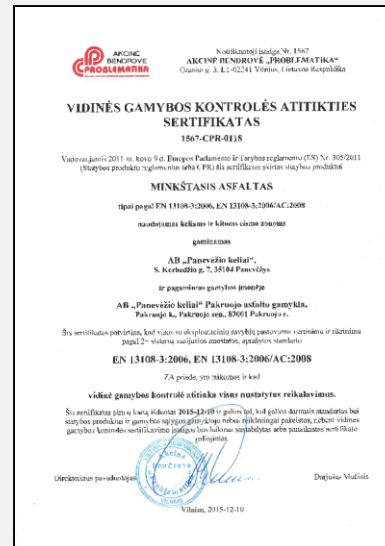
That gives the right to mark the production with the building material certification CE sign that is recognized in the EU.



## Qualifications



## Certificates



Authorized institutions issued AB Panevėžio Keliai with EB production control system certificate, stating that the company's manufactured building product -

✓ Soft asphalt -

used for protective surface layer of roads and other traffic zones, meets the requirements of the EN 13108-3:2006, EN 13108-3:2006/AC:2008 ZA standard's appendix.

## Quality



Integrated quality, environmental protection and occupational health and safety management system is operating in the company. This management system complies with LST EN ISO 9001:2008, LST EN ISO 14001:2005, OHSAS 18001:2007 /LST 1977:2008 standard requirements.

## Qualifications



## Laboratory

Since 2005 AB Panevėžio Keliai research laboratory is accredited by the Lithuanian National Accreditation Bureau under LST EN ISO/IEC 17025 to perform tests and collect samples of road subgrade and base, soil, aggregate, bitumen and bitumen matrix, bitumen compound and road surface. The laboratory's accreditation is recognized by European accreditation organisations.



## Qualifications





THE ROAD STARTS HERE



Design services

**PK**Group



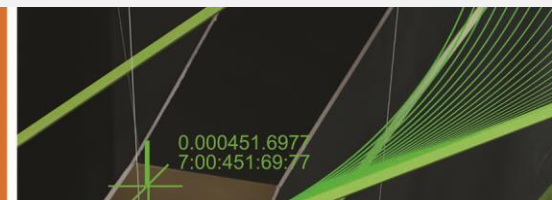
## AB Panevėžio Keliai design sectors

**AB Panevėžio Keliai carries out design works in the following sectors:**

- ✓ Transport infrastructure engineering;
- ✓ Geotechnical engineering;
- ✓ Building engineering;
- ✓ Environmental engineering;
- ✓ Energy engineering;
- ✓ Water management engineering;
- ✓ Development planning and engineering;
- ✓ Project management and technical supervision;
- ✓ IT solutions and software for infrastructure;
- ✓ Urban and territorial planning.



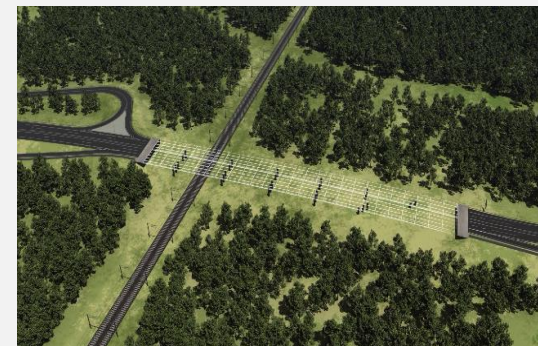
**Design services**



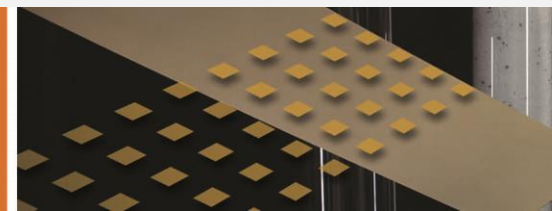
## AB Panevėžio Keliai services

AB Panevėžio Keliai provides the following design and research services:

- ✓ Road engineering;
- ✓ Bridge engineering;
- ✓ Railway engineering;
- ✓ Airport engineering;
- ✓ Ports engineering;
- ✓ Building engineering;
- ✓ Traffic flow modeling;
- ✓ Geological exploration and engineering;
- ✓ Geodesy and planning;
- ✓ Environmental impact assessment;
- ✓ Feasibility studies;
- ✓ Territorial planning.



Design services



## AB Panevėžio Keliai services

Our engineers use state-of-the-art design software, such as:

- ✓ Micro Station;
- ✓ MXROAD;
- ✓ ANSYS/Structural;
- ✓ Auto CAD;
- ✓ Raster Design;
- ✓ Civil 3D+GeoMap;
- ✓ SoFisTik;
- ✓ 3ds Max Design;
- ✓ Robot Structural Analysis;
- ✓ SIDRA INTERSECTION;
- ✓ PTV Vision Analyst & Simu.

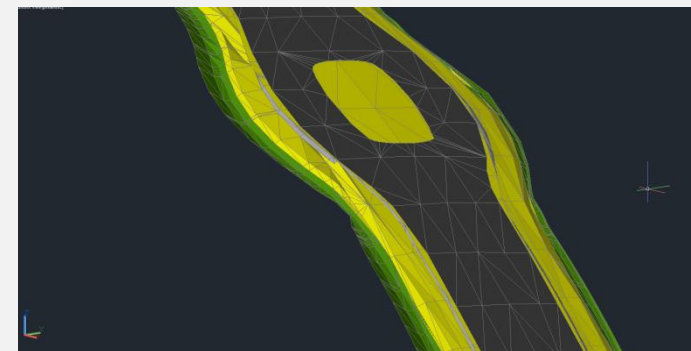
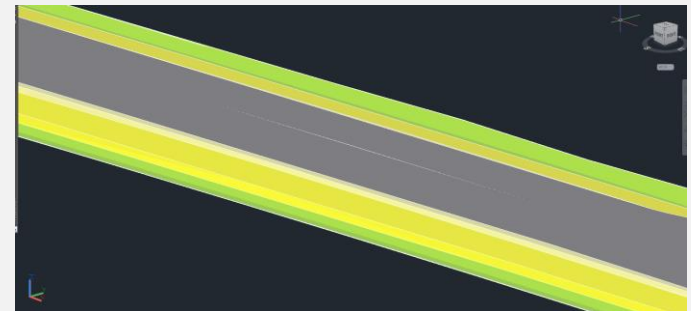


**Design services**

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## Creation of digital road model

Digital road model is a 3D drawing of a road section containing all layers necessary for building or reconstruction works: road base, culverts, geopoies, all road structure and road pavement elements and more. Paired with automated machine control systems the digital model allows us to automate all the tasks on a construction site, including road base formation, road structure formation, paving and so on. Precise geodesic positioning of the construction site is necessary to ensure this technology is fully functional.





## Sustainable construction

We understand sustainability and green construction as conservation of energy and other non-renewable resources, selection and use of environmentally friendly materials, adaptation of new technologies and prolonging the structure's life cycle.



The use of BIM in transport infrastructure projects through the integration of digital road models and automated machine control systems has a significant role in the development of sustainable construction. It stands for lower gas emissions and particulate matter concentration, decreased time consumption, better traffic safety ratios and conservation of non-renewable resources. Digitising and automating production processes frees the workers from tiring manual labour and decreases the impact of physical and psychological stress factors on occupational health and safety.

INNOVATION AWARD



BEAUTY OF TECHNOLOGY

Newest applied technologies

**PK**Group





✓ **Glass Road (Via Vitrum):** modern, cost-effective and durable road surface coating. Application of the alternative wearing course installation technology Glass Road (Via Vitrum) instead of the standard road surface coating technology strengthens the worn road surface with modified bitumen emulsion with crushed glass fibre strands and a layer of crushed stone.



Newest applied technologies







- ✓ The use of asphalt-concrete paving technology 'hot on hot' that allows laying two layers of asphalt at once.



Newest applied technologies







- ✓ Installing crushed stone poles to ensure road base integrity when building roads on peat bogs.
- ✓ The use of multi-strand post-tensioning technology in the construction of bridges and viaducts.
- ✓ The installation of monolithic overlays in the construction of bridges and viaducts.
- ✓ The use of geosynthetics for reinforcement of soil base and road surface.



**Newest applied technologies**

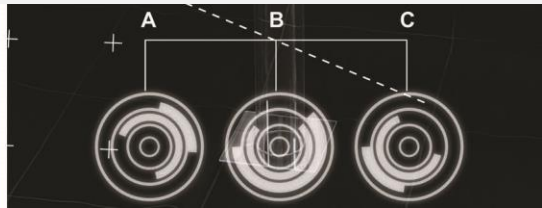




- ✓ Installation of micro-pavements using the 'hot on cold' and 'hot on hot' methods.
- ✓ The production and use of mastic asphalt-concrete (moulded asphalt-concrete).
- ✓ Slurry surfacing and its use for road pavement repairs.
- ✓ The use of lime technology to strengthen the subgrade and increase its stability.
- ✓ Installation of road surface coating.
- ✓ The use of hydroseeding method to plant grass on embankments.



Newest applied technologies





- ✓ The use of temporary sectional bridges in bridge repairs.
- ✓ The paving of the road by both hot mix and cold mix methods using up to 100% of the recycled asphalt-concrete.
- ✓ The use of geosynthetic materials to strengthen the subgrade and road pavement.
- ✓ The production of common and modified (cationic) bitumen emulsion.
- ✓ Production of modified bitumen.
- ✓ The design and use of gabions – a new type of retaining wall in road construction.



**Newest applied technologies**





# THE ROAD STARTS HERE

>> AS BUILT

TAIP  
PASTATYTA

**Projects completed**  
in recent years

**PKGroup**



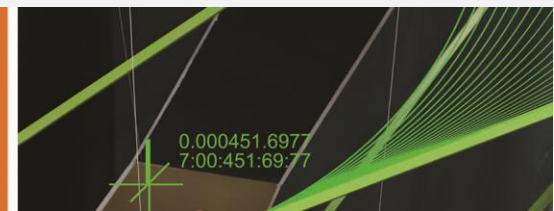
## Development of Trans-European Transport Network: Vilnius City western bypass construction stage I-A, reconstruction of Lazdynai Bridge



Development of Trans-European Transport Network



## Development of Trans-European Transport Network: Vilnius City western bypass construction stage I, from Oslo Street to L.Asanavičiūtės Street



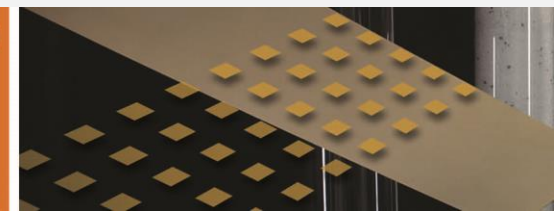




## Development of Trans-European Transport Network road E85: construction of Vilnius City southern outer bypass



Development of Trans-European Transport Network





## Installation of Traffic and Environmental Safety Measures on TEN-T roads in 2014–20. Stage 1. Contract No. 2



**Development of Lithuanian road network**





## Development of Trans-European Network Road E67 (VIA BALTICA). Pavement Reconstruction, Stage 2



Works of gravel road paving programme

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Project “Development of Trans-European Network Road E262 (Kaunas-Zarasai-Daugavpils). Pavement Reconstruction. Stage 3. Contract No. 2.” Works took place on road A6 Kaunas–Zarasai–Daugavpils section 142.000-150.100 km



Works of gravel road paving programme





## Reconstruction of national road of national significance No. 115 Ukmergė–Molėtai



Works of gravel road paving programme

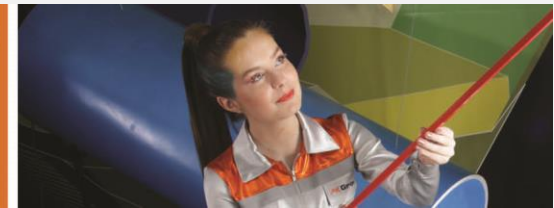




## Major repair works on Neris River bridge at 34.290 km point of nationally significant main road A6 Kaunas-Zarasai-Daugavpils



Development of Lithuanian road network





Construction of roundabout at intersection of main road A10 Panevėžys-Pasvalys-Riga  
(VIA BALTICA) 38.7 km point with regional road No. 3101 Pasvalys-Vabalninkas



Development of Lithuanian road network





Reconstruction of national road of national significance No. 122 Daugavpils–Rokiškis–Panevėžys, sections 10.400-5.700 km and 31.550-36.200 km, including geological survey, economical assessment, preparation of technical work projects, project implementation supervision and reconstruction works.



Development of Lithuanian road network





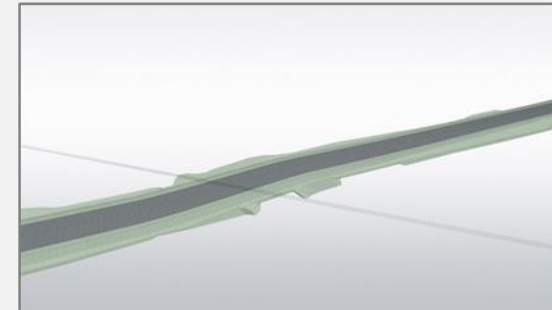
## Reconstruction of national road No. 124 Kupiškis-Vabalninkas-Biržai intersection at 38.73 km point with road No. 191 Paliūniškis-Vabalninkas



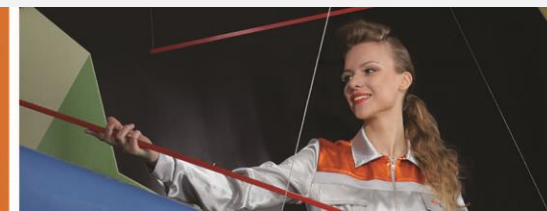
Development of Lithuanian road network



Reconstruction of Daugavpils-Rokiškis-Panevėžys national road  
of national significance, section 0.000-8.750 km.



Development of Lithuanian road network





Reconstruction of national roads of national significance: No. 117 Zarasai-Bradesiai-Obeliai road section 39.800-40.950 km and No. 122 Daugavpils-Rokiškis-Panevėžys road section 8.700-10.400 km. Amendment of technical reconstruction project for Kriauna bridge, located at 39.978 km on Zarasai-Bradesiai-Obeliai road, adapting it for heavy and oversized cargo transport movement to the new nuclear power station construction site; and work implementation.

“Reconstruction works of S. Dariaus and S. Girėno Street, J. Zaukos Street, coinciding with national road No. 122 Daugavpils-Rokiškis-Panevėžys, and Vytauto Street, coinciding with national road No. 117 Zarasai-Bradesiai-Obeliai, and their intersection in Obeliai town.

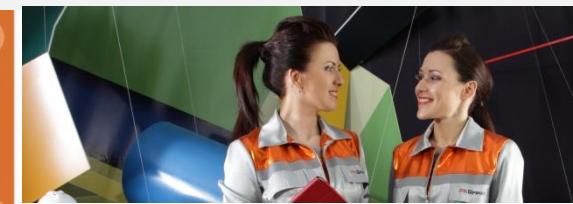




## Reconstruction of Žiburio Street in Anykščiai town



Development of transport infrastructure in towns and villages





Stage 1 work project preparation and construction work completion on V. Alanto Street extension (between V. Alanto Street-J. Tilvyčio Street roundabout intersection and Projektuotojų Street)





## Construction of the second railway track in Kyviškės–Valčiūnai section of Vilnius bypass on the Corridor IX-B



Development of railway infrastructure





Construction of European gauge railway Rail Baltica:  
construction of additional 1,435 mm gauge railway track along  
the existing railway line or 1,435/1,520 mm dual gauge railway  
track on Kazlų Rūda-Marijampolė section of  
Kazlų Rūda-Lithuania/Poland border railway line.





Construction of European gauge railway Rail Baltica: construction of additional 1,435 mm gauge railway track along the existing railway line or 1,435/1,520 mm dual gauge railway track on Mauručiai-Jiesia section of Kaišiadorys-Kybartai railway line.

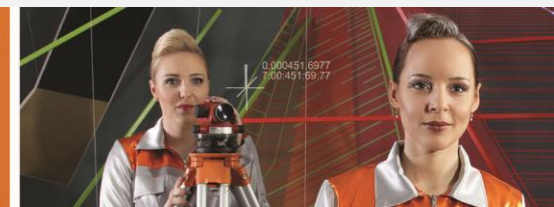




## Major repair works on the runway of Kyviškės Flight Training Base under VGTU Antanas Gustaitis Aviation Institute



Aviation projects





## Reconstruction of Laucesē River bridge located at 163.400 km mark on national road A13 Russian border–Rezekne–Lithuanian border



Development of Latvian road network

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Reconstruction of P069 Skrudalena-Kaplava-Kraslava road section 16.000-19.070 km.  
Surface treatment on V995 Druva-Birzgale-Valle regional road section 0.000-6.000 km.



Development of Latvian road network





# THE ROAD STARTS HERE



## Current projects

**PK**Group



## Reconstruction of Trans-European Network Road E85 Vilnius-Kaunas-Klaipėda. Reconstruction of Grigiškės Transport Hub. Stage 3



Development of Trans-European Transport Network





Reconstruction of nationally significant main road A10 Panevėžys–Pasvalys–Riga section 65.190-66.091 km and reconstruction of a three-way junction on A17 Panevėžys city bypass into a turbo-roundabout.



Development of Lithuanian road network





## Reconstruction of national road No. 119 Molėtai–Anykščiai section 35.900-41.300 km





Reconstruction of national road of national significance No. 125 Biržai–Raubonys sections. Project involves contract works on section 0.000-6.98 km and technical project preparation, project implementation supervision and contract works on section 6.980-10.000 km.





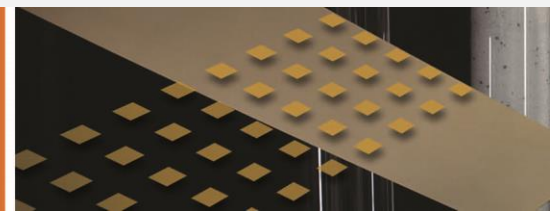
Gravel Road Paving Programme. 14 gravel road sections will be paved in Panevėžys region, with a combined length of 10.84 km.



Works of Gravel Road Paving Programme



- ✓ Common asphalt pavement repair works on nationally significant road sections maintained by VĮ Panevėžio Regiono Keliai
- ✓ Reconstruction of road sections maintained by VĮ Panevėžio Regiono Keliai.
- ✓ Preparation of technical work project, project implementation supervision and major repair works on gravel roads in Utena, Ignalina and Zarasai districts.
- ✓ Preparation of technical work project, project implementation supervision and major repair works on gravel roads in Molėtai, Švenčionys and Ukmergė districts.
- ✓ Preparation of technical work project, project implementation supervision and major repair works on gravel roads in Anykščiai and Molėtai districts.
- ✓ Preparation of technical work project, project implementation supervision and major repair works on gravel roads in Panevėžys, Rokiškis, Pasvalys, Biržai and Kupiškis districts.





THE ROAD STARTS HERE

>> OPTIMISED  
SOLUTIONS

Thank you!

**PK**Group