



THE CROATIAN ASSOCIATION OF TOLL
MOTORWAYS CONCESSIONAIRES

2020.

Ključne brojke Key figures

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Mreža autocesta

Motorway network

Autoceste / Poluautoceste u prometu Motorways / Semi-motorways in service	1.306,5 KM
Nove dionice otvorene u 2020. New stretches opened in 2020	12,6* KM
Plan otvaranja novih dionica u 2020. New openings scheduled in 2021	0,3 KM 16,8* KM

Duljina mreže po broju trakova / Length by number of lanes

2x1 trak / lanes



44,5
KM

2x2 traka / lanes



1.241,2
KM

2x3 traka / lanes



20,8
KM



Broj mostova i vijadukata /** Number
of bridges and viaducts

414

Ukupna duljina mostova
Total length of bridges

64,88 KM

Duljina zidova za zaštitu od buke
Length of noise protection walls

100,34 KM



Prijelazi za divlje životinje /
Crossings for wild animals

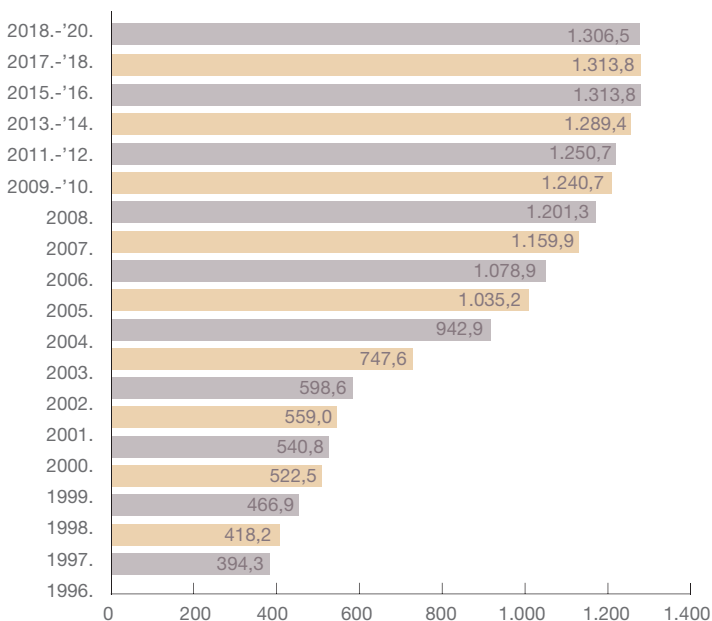
14

* dopuna do punog profila autoceste / upgrade to full motorway profile

** revidiran podatak / revised number

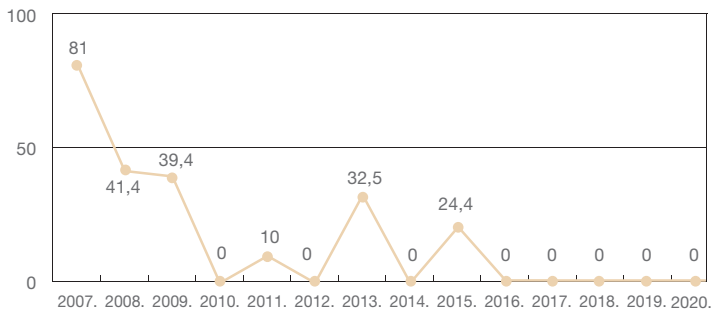
Razvoj mreže / Development of network

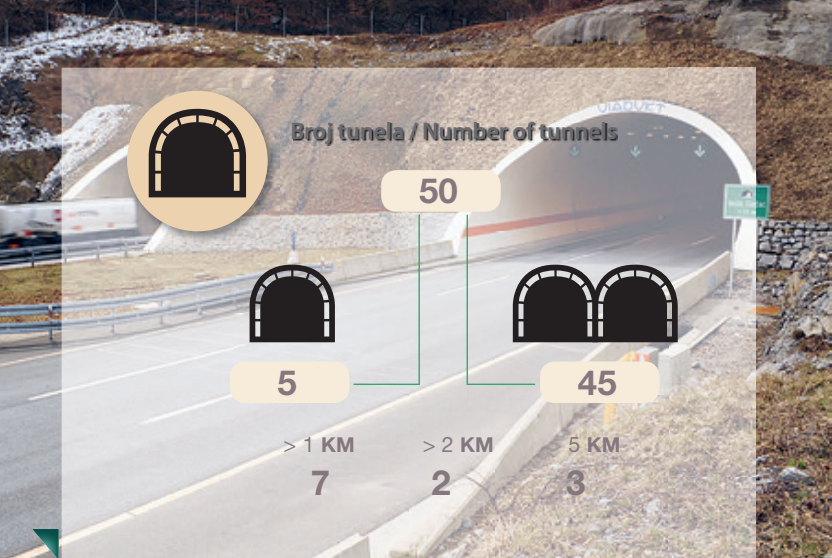
Po godinama (km) / By years (km)



Otvoreno novih autocesta / New motorways opened to traffic

Po godinama (km) / By years (km)





Ukupna duljina tunelskih cijevi
Total length of tunnel tubes

90,6 KM

Udio tunela u ukupnoj mreži u oba smjera
Portion of tunnels in total network in both directions

6,9 %

Najduži tunel
The longest tunnel

Mala Kapela A1

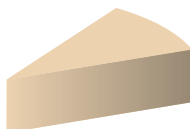
5,8 KM



Broj nesreća u tunelima /
Number of accidents in
tunnels

69

Udio nesreća u tunelima u
ukupnom broju nesreća /
Portion of accidents in
tunnels in the total accidents



3,3 %

Ukupno / Total

1.306,5 KM



918,5 KM

187,0 KM

141,0 KM

60,0 KM

- Dijelom autoceste A1 od Zagreba do Bosiljeva upravlja ARZ d.d. / Part of the motorway A1 from Zagreb to Bosiljevo is operated by ARZ d.d.
- ARZ d.d. upravlja dijelom autoceste A7 / Part of the motorway A7 is operated by ARZ d.d.
- D10 i D12 predane su na upravljanje Hrvatskim cestama d.o.o. i nisu pod naplatom / D10 i D12 were handed over to Croatian Roads Authority
-

Autocesta – poluautocesta / Motorway – semi motorway		U prometu In service 31/12/2020
BINA-ISTRA d.d.		
A8 Kanfanar-Matulji		64,20
Kanfanar-Pazin (čvor Rogovići/ Interch.)		18,13
Pazin-Matulji*		40,76
Druga cijev tunela Učka/ second tube of Učka tunnel (uključujući dionicu/ including section Vranja - tunel Učka)*		5,31
A9 Umag –Pula		76,80
Umag-Medaki		41,84
Medaki - Kanfanar		7,36
Kanfanar - Vodnjan jug/south		20,70
Vodnjan jug/south - Pula		6,90
UKUPNO/TOTAL BINA ISTRA		141,00
AUTOCESTA RIJEKA - ZAGREB d.d. ***		
A1 Bosiljevo 2 - Zagreb		66,7
A6 Rijeka–Bosiljevo 2		79,8
A7 Rupa-Matulji-Diračje-Orehovica		28,00
D102 Most Krk i pristupne ceste/ Krk bridge with access roads		12,53
D6 Netretić - čvor Novigrad/Interch.		
UKUPNO/ TOTAL ARZ		187,03
HRVATSKE AUTOCESTE d.o.o.		
A1 Bosiljevo 2–Split -Dubrovnik		415,30
A3 Bregana-Zagreb-Lipovac		306,40
A4 Zagreb – Goričan		96,90
A5 B. Manastir-Osijek- granica s BiH/border with B&H		58,70
most Drava/Drava bridge		-
poddionica/subsection Most Halasica-Most Drava/Drava bridge		-
dionica most Drava/section Drava bridge - čvor Osijek /Osijek Interch.		-
most Sava / Sava bridge		-
poddionica/subsection Beli Manastir - Most Halasica/Halasica bridge		-
A7 Križišće - Žuta Lokva		
poddionica/subsection Selce - Obilaznica N. Vinodolskog /By-pass Novi V.)		-
A10 Granica/Border BIH- čvor Metković/Interch.		8,50
A11 Zagreb – Sisak		32,70
Lekenik - čvor/Interch. Sisak		-
UKUPNO/TOTAL HAC		918,50
AUTOCESTA ZAGREB - MACELJ d.o.o.		
A2 Zagreb - Macelj		60,00
Zagreb – Krapina		42,80
Krapina – Macelj		13,40
Dio dionice/ Part of Section Krapina-Durmanec*		3,80*
UKUPNO/TOTAL AZM		60
UKUPNO SVE AUTOCESTE / TOTAL ALL MOTORWAYS		1.306,53

* poluautocesta/ semi motorway

** dopuna do punog profila / upgrade to full motorway profile

***Odlukom Vlade RH društvo ARZ pripaja se društvu HAC te prestaje postojati, a sve dionice autocesta pod upravljanjem ARZ-a od 1.1.2021. godine preuzima HAC/

According to Resolution of the Government of the Republic of Croatia on merging ARZ with HAC the entire motorway network of ARZ has been handed over to HAC as of 1.1.2021.

Pušteno u promet Open to traffic 2020.	U izgradnji na construction 31/12/2020	In Planirani poč. izgradnje Start of new construction 2021.	Ukupno Total 2021.	Puštanje u promet Opening to traffic 2021.
-	-	-	64,20	-
-	-	-	18,13	-
12,6	16,82	-	40,76	16,82
-	-	2,14	5,31	-
-	-	-	76,80	-
-	-	-	41,84	-
-	-	-	7,36	-
-	-	-	20,70	-
-	-	-	6,90	-
12.60**	16.82**	2.14**	141,00	16.82**
-	-	-	66,7	-
-	-	-	79,8	-
-	-	-	28,00	-
-	-	-	12,53	-
-	-	-	187,03	-
-	-	-	415,30	-
-	-	-	306,40	-
-	-	-	96,90	-
-	-	-	58,70	-
-	2,50	-	-	-
-	0,80	-	-	-
-	3,80	-	-	-
-	0,70	-	0,30	0,30
-	17,50	-	-	-
-	-	-	-	-
-	-	6,50	-	-
-	-	-	8,50	-
-	-	-	32,70	-
-	-	11,00	-	-
-	25,30	17,50	918,80	0,30
-	-	-	60,00	-
-	-	-	42,80	-
-	-	-	13,40	-
-	-	-	3,80	-
-	-	-	60,00	-
12,60**	25,30 16.82**	17,50 2.14**	1.306,83	0,30 16.82**

Usluge Services



Benzinske
postaje / Filling
stations

74



Cafe barovi /
Caffe bars

86



Hoteli /
Hotels

9



Parkirališna
mjesta TV /
Parking
places HV

2.122



Dinamički
informacijski
paneli /
VMS

219



Broj ralica / Number
of snowplows

181



Odmorišta /
Rest areas

121



Restorani /
Restaurants

29



Parkirališna mjesta
LV / Parking
places LV

6.868



COKP Centri održ.
i kont. prometa /
MTCC Maint. &
Traffic Control
Centres

27



Broj nadzornih video
kamera / Number of
CCTV cameras

1.643



Broj intervencija
vatrogasnih jedinica /
Number of
firebrigade
interventions

1.078





Promet Traffic



2020. / 2019.

Pad broja vozila u područjima naplate /
Decrease in number of vehicles in toll
collection zones

-28,2 %

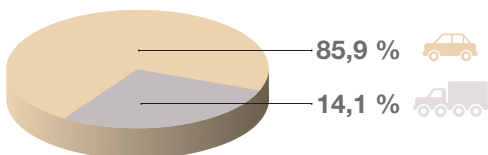


Broj vozila u područjima naplate / Number
of vehicles in toll collection zones

62.257 MIL./MIO.

Društvo Company	2019.			2020.			
	 (IA+I+II)	 (III+IV)	 (IA+I+II)	% (20/19)	 (III+IV)	% (20/19)	% Total (20/19)
HAC	37.942.756	5.961.335	26.194.683	-30,96	5.156.760	-13,50	-28,89
ARZ	22.056.892	2.407.576	16.232.023	-26,41	2.031.792	-15,61	-25,35
BINA-ISTRA	9.705.121	926.922	6.327.601	-34,80	788.210	-14,96	-33,07
AZM	6.788.205	871.208	4.729.505	-30,33	796.194	-8,61	-27,86
UKUPNO TOTAL	76.492.974	10.167.041	53.483.812	-30,08	8.772.956	-13,71	-28,16
SVEUKUPNO TOTAL	86.660.015			62.256.768		-28,16	

Udio LV i TV u
ukupnom broju
vozila / Portion of
LV & HV in total
no. of vehicles



PGDP po tvrtkama / AADT by companies

Društvo Company			
HAC	8.890	2.200	11.090
ARZ	14.293	1.982	16.275
BINA-ISTRA	11.280	1.405	12.685
AZM	10.256	1.522	11.778
Ukupno Total	9.911	2.052	11.963

Broj voznih kilometara / Number of km travelled

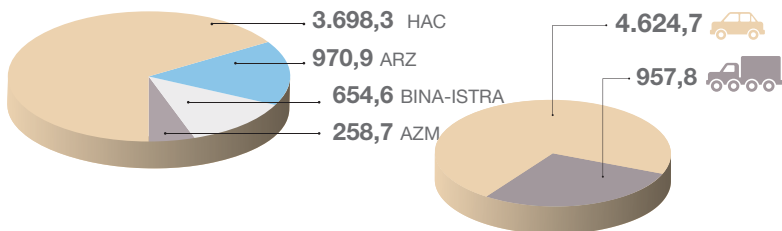
Ukupno / Total

5.582,5

10⁶ x KM

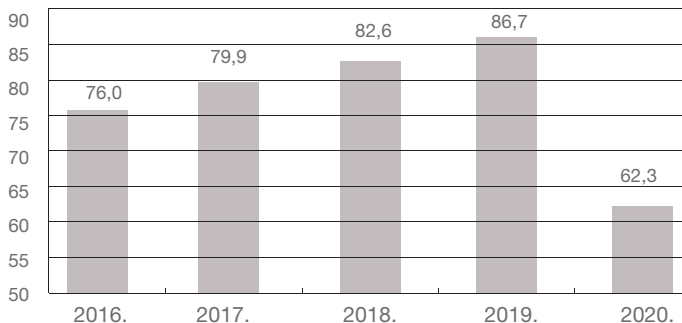
*Po kategorijama
/ By category of
vehicles*

Po tvrtkama / By companies



Broj vozila u područjima naplate / Number of vehicles in toll collection zones

U mil. voz. / In Mio. veh.



Sigurnost Safety



2020 / 2019.

Pad prometnih nesreća /
Decrease in traffic accidents

- 21,3 %

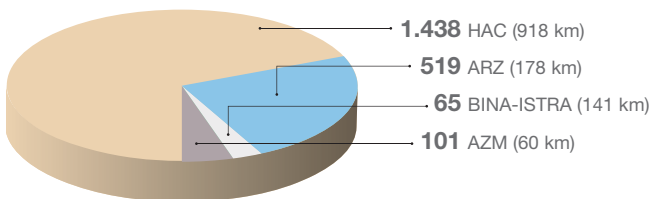


Ukupno prometne nesreće /
Total traffic accidents

2.123



Nesreće po tvrtkama / Accidents by companies



Ukupno nesreće po vrstama / Total accidents by type

	2016.	2017.	2018.	2019.	2020.
S poginulima With fatalities	27	20	30	25	17
S ozlijeđenima With injuries	315	332	316	256	182
S materijalnom štetom With material damage	2.055	2.113	2.455	2.416	1.924
Ukupno Total	2.397	2.465	2.801	2.697	2.123



2020. / 2019.

Pad broja poginulih / Decrease in fatalities

- 29 %

Ukupno poginuli /
Total of fatalities



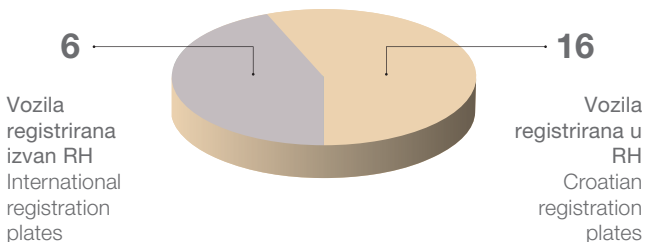
11 HAC

7 ARZ

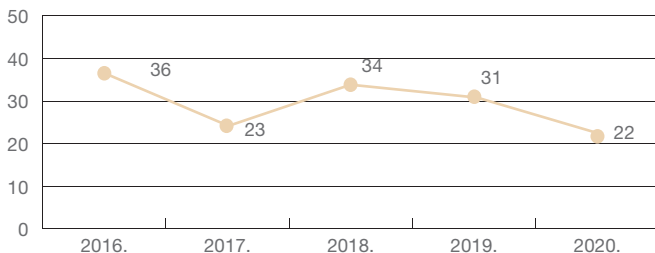
4 BINA-ISTRA

0 AZM

Poginuli prema porijeklu registarske pločice vozila /
Fatalities by origin of vehicle registration plates



Ukupno poginuli / Total of fatalities



Stupanj opasnosti od smrtnog stradavanja (10^9 voz. km) /
Rate of dead (10^9 km travelled)

3,94

Stupanj sigurnosti / Safety ratios

Na 10⁹ voz. km / Per 10⁹ km travelled

	HAC	BINA- ISTRA	ARZ	AZM	RH Croatia	RH % 20./19.
Nesreća s ozlijeđenima Personal injury rate	28.12	8.62	37.42	57.99	32.60	1.89
Nesreća s poginulima Fatal accident rate	2.70	2.15	2.76	0.00	3.05	-2.54
Koeficijent poginulih Rate of dead	2.97	2.15	7.21	0.00	3.94	12.61



Broj nesreća pri idealnim uvjetima
vožnje / The number of accidents in
ideal driving conditions

1.519

Najčešći uzroci
Most frequent causes

*Slijetanje vozila ili udar u EOO /
Run-off-road or crash into safety barrier*

Najčešće posljedice
Most frequent consequences

Materijalna šteta / Material damage

Najkritičniji mjesec
The most critical month

Kolovoz / August

Prometne nezgode službe održavanja / Traffic accidents of Maint. Service Staff



12 Ukupno nezgode
Total accidents

12 Lakše ozlijeđeni Injuries
without hospitalisation

0 Teže ozlijeđeni Injuries with
hospitalisation

0 Poginuli Fatalities

Ekonomija Economy



2020. / 2019.

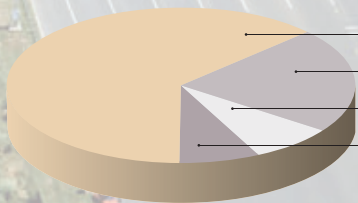
Pad prihoda od cestarine /
Decrease in toll revenues

31,6 %

Prihodi od cestarine (bez PDV-a) /
Toll revenues (without VAT)

286,6

MIL./MIO. EUR



176,3 HAC

65,2 ARZ

23,2 BINA-ISTRA

21,9 AZM

Naplata / Toll



Postaje / Plazas

108



Trakovi / Lanes

714

ENC / ETC

Pokrivenost Coverage (km) **1.178**

Trakovi Lanes **506**

Uređaji OBUs **791.388**

Pretplatnici Subscribers **484.583**

2020. / 2019.

Povećanje / Increase

Uređaji / OBUs

0,4%

Pretplatnici / Subscribers

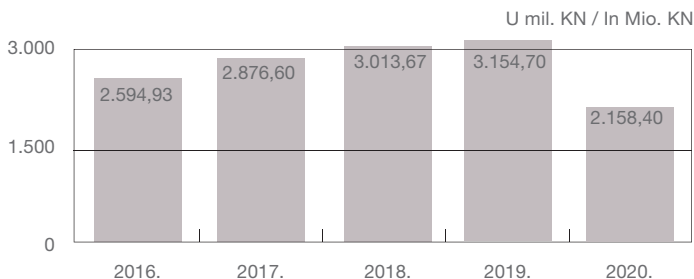
5,0 %



33

Prosječan broj
godišnjih
transakcija po
ENC uređaju /
Average annual
number of
transactions
per OBU

Prihodi od cestarine / Toll revenues

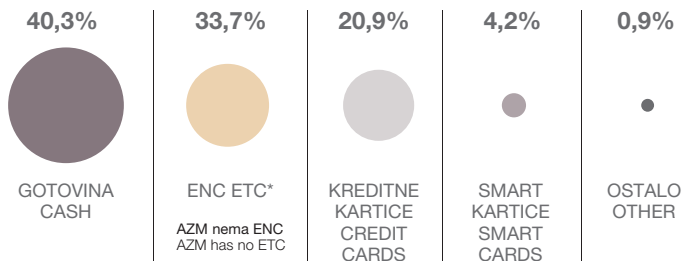


Ukupan broj transakcija /
Total number of transactions

62,3

MIL./MIO.

Udio načina plaćanja u ukupnim transakcijama /
Breakdown of transactions by payment mode



*Bez AZM-a udio ENC-a iznosi 41,5% /
Without AZM penetration of ETC is 41,5%

Ukupno investicije /
Total investments

155,44

MIL./MIO. EUR

U nove dionice / Into new sections

95,25

U izgrađene dionice / Into existing sections

60,19

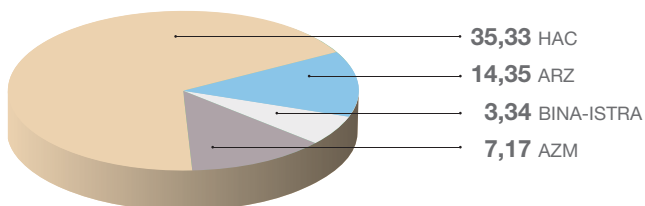
1 EUR = 7,53 KN

Prosječni godišnji tečaj HNB u 2020. / Average annual exchange rate in 2020, Source: Croatian National Bank)

Investicije u izgrađene dionice /
Investments into existing sections

60,19

MIL./MIO. EUR



Investicije u nove dionice* /
Investments into new sections*

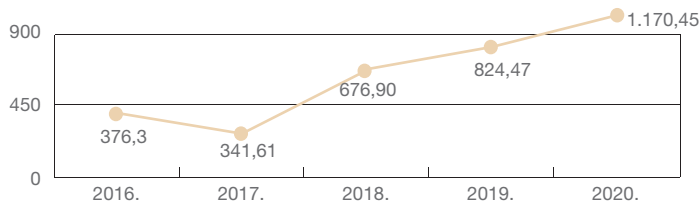
95,25

MIL./MIO. EUR



Ukupno investicije /
Total investments

U mil. KN / In Mio. KN



Plan investicija za 2021. /
Investment plan for 2021

230,74

MIL./MIO. EUR

U nove dionice / Into new sections*

157,92

U izgrađene dionice / Into existing sections

72,82

*ARZ i AZM nemaju investicija u nove dionice / No investments into new sections by ARZ and AZM

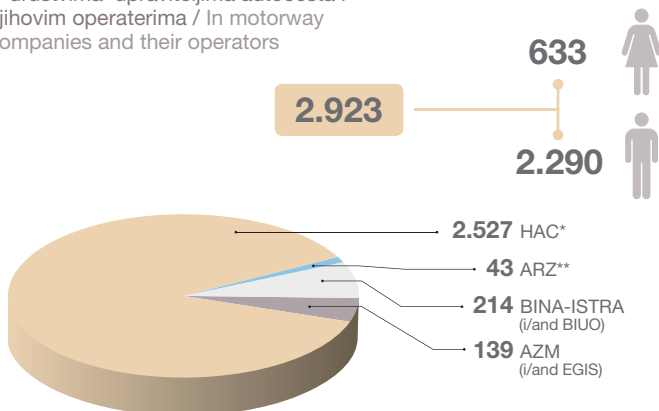
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Prosječni godišnji tečaj HNB u 2020. / Average annual exchange rate in 2020, Source: Croatian National Bank)

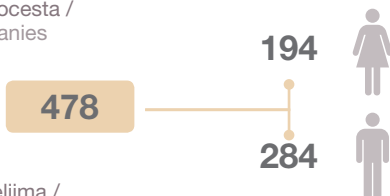
Zaposlenici Workforce

Stalno zaposleni / Total workforce

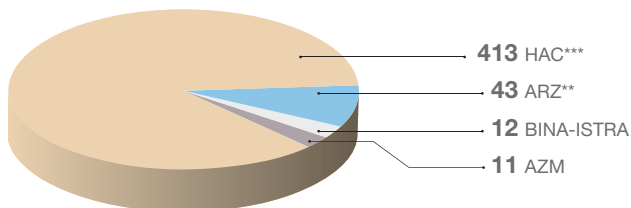
U društvima upraviteljima autocesta i njihovim operaterima / In motorway companies and their operators



U društvima upraviteljima autocesta / In managing motorway companies



Podjela po društvima upraviteljima / Breakdown by managing motorway companies

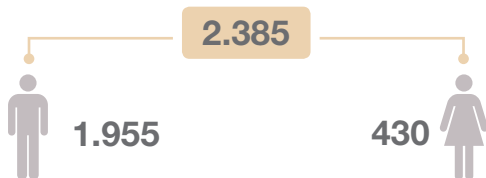


*Od 1.12.2017. HAC je i upravitelj i operater / As of 1.12.2017. HAC became managing comp. and operator

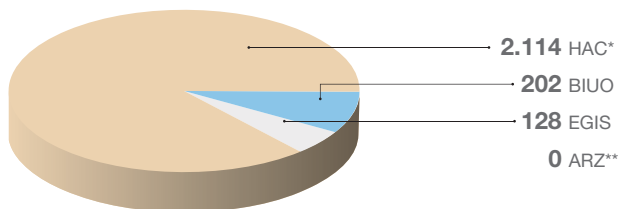
**Od 1.12.2017. ARZ je samo upravitelj, a ostale poslove preuzeo je HAC / As of 1.12.2017. ARZ is managing comp. while tolling and maintenance were handed over to HAC

***Sve službe HAC-a osim naplate i održavanja / HAC staff without tolling and maintenance workforce

Zaposlenici društava operatera / Workforce in operating companies



Podjela po operaterima / Breakdown by operators



Podjela zaposlenika po poslovima / Breakdown of workforce by job

Naplata Toll collection	1.004
Održavanje Maintenance staff	1.205
Ophodari Patrol service	170
Uprava Management board	14
Ostali Other	51

*HAC zaposlenici na poslovima naplate i održavanja / HAC workforce in tolling and maintenance sector

**Od 1.12.2017. ARZ je samo upravitelj, a ostale poslove preuzeo je HAC / As of 1.12.2017. ARZ is managing comp. while tolling and maintenance were handed over to HAC



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