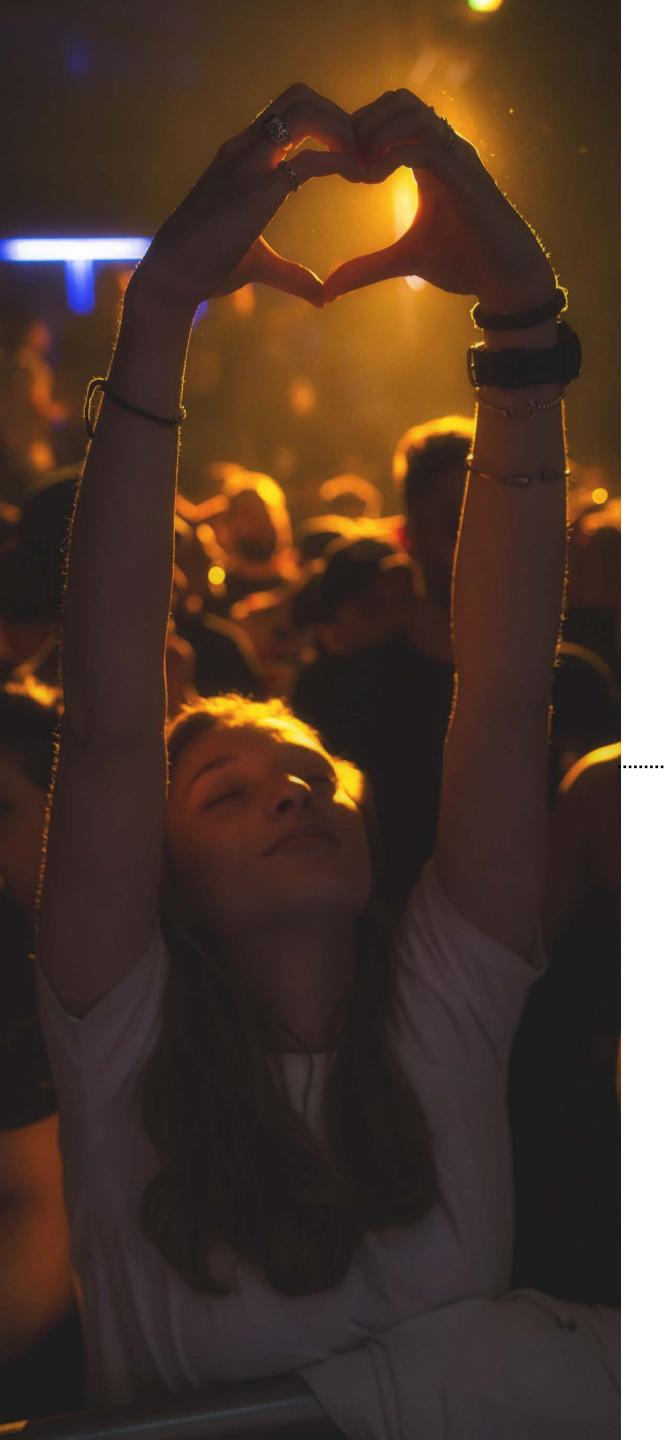


# Smart City platform and mobile application





# interticket

# interticket smartcity solutions

The history of the company founded in 1995 is a series of innovative solutions. Its IT group equally works on the permission system suitable for the new millennium, the blockchain technology and smart city developments.

InterTicket provides the market-leader ticketing system of Hungary, which is also one of the greatest worldwide.

InterTicket is also a co-founder of Blockchain **Competence Center** to create the foundation of enterprise blockchain solutions in Hungary.

With a sub-brand - SmartCity Solutions - InterTicket delivers smart city applications for Hungarian an international municipalities.





# **INTERTICKET MILESTONES**



Full fledged ticketing system with admission.



Mobile applications for our partners.



2017 Foundation of Blockchain Competence Center.





1996 Bankcard acceptance via phone.

#### 2001

Online ticket sales portal, integration of more than 100 partner websites.

#### 2013

Club package - automated solutions for smaller partners.





## INTERTICKET PLATFORM ADVANTAGES MODULAR, CLOUD-BASED LIVE PLATFORM

#### PLATFORM COMPONENTS

**Card management ID** management **Mobile/Web applications Report management** Workflow / Rule engine Al engine **Blockchain engine CRM engine AppGen platform Messaging platform Payment platform Admission platform** 



#### MODULAR, CLOUD-BASED LIVE PLATFORM CAPABLE OF SUPPORTING MANY BUSINESS VERTICALS



#### **BUSINESS SOLUTIONS**

**Ticketing (As A Service) Payment Transport Loyalty Programs Smart City** Wallet **Access Control Identity Management** Tourism **Token Management Sport/Museums** 





#### With our mobile application and administration portal we aim **to support** municipalities in boosting communication and interaction with citizens and small business owners.

In the meantime offers and services can be delivered to citizens, so **local business can grow and can be competitive.** 





#### **CLOUD BASED, MODULAR** ARCHITECTURE

#### **OAUTH PROFILE AUTHENTIFICATION**

#### **SMART CITY / eDEMOCRACY RELATED FUNCTIONS**

- Feedback
- Voting
- Communication
- News
- Municipality application services
- Transportation
- Market
- Push messages

#### WALLET FUNCIONALITY

- presentation (QR, EAN, HCE)
- Loyalty card application and presentation • Self-registered (loyalty, ID, entrance etc) cards • Payment asset registration (for remote and
- physical usage)
- Payment gateway (for merchant transactions) • Event tickets purchase and presentation
- Parking tickets
- Transportation tickets
- P2P transactions
- Transaction history

#### **FULL FEATURED EVENT MANAGEMENT** SOLUTION

company in Hungary.



InterTicket is the market leading ticketing

#### **BLOCKCHAIN BASED BALANCE TRACKER / TOKEN MANAGER**

(platform agnostic, currently Hyperledger/Sequence/Ethereum/ **Bitcoin**)

capable to support:

- Local currency
- Loyalty programs
- Clearing
- Gift Cards
- eVoting

#### **MCOMMERCE MODULE**

- Loyalty program (deductions, promotions)
- Coupons/vouchers

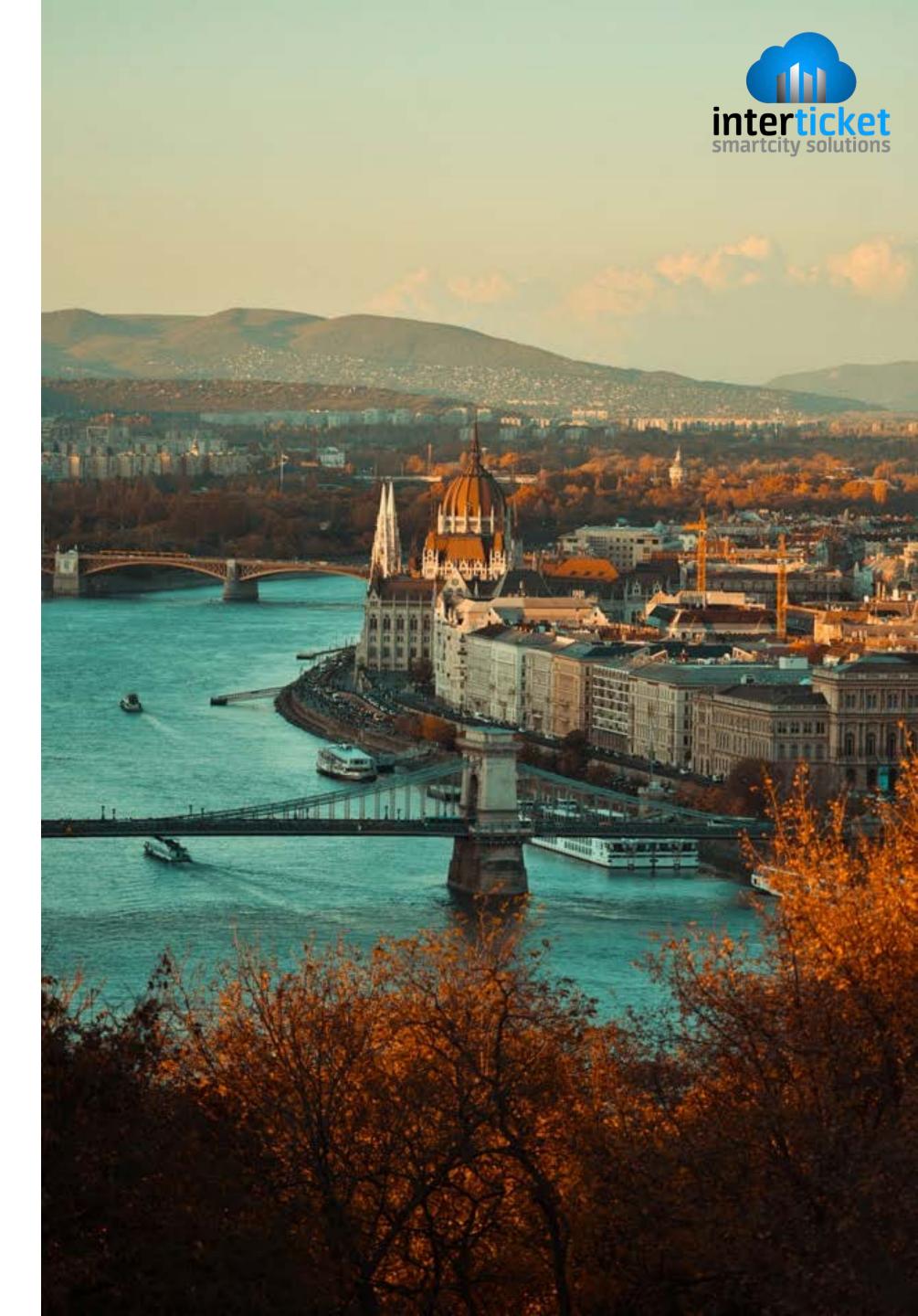






**MUNICIPALITY ISSUES AND PROBLEMS** 

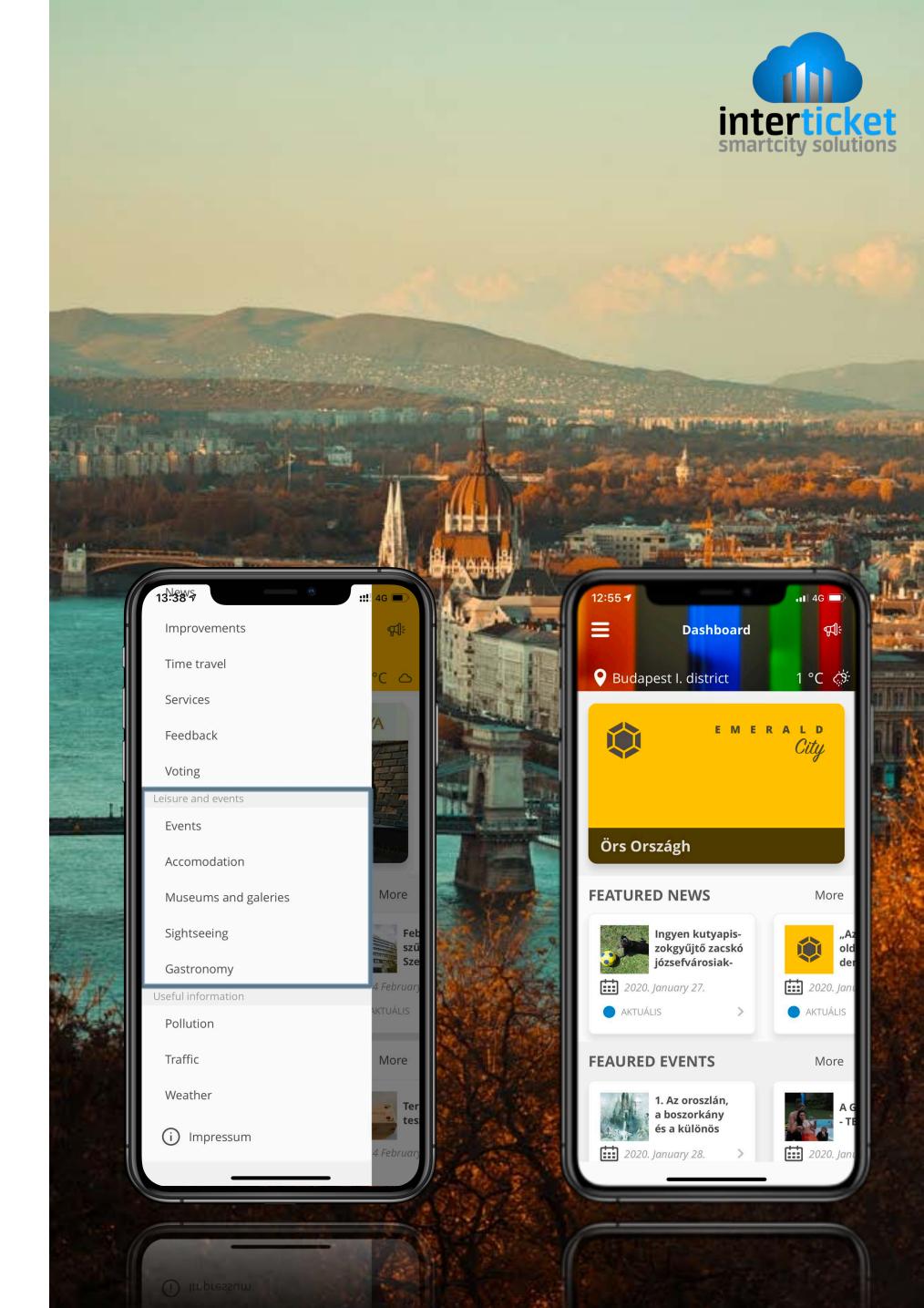
INFORMATION TRANSPARENCY VISIBILITY INTERACTION ENGAGEMENT MOBILITY **LIMITED RESOURCES** 



## WHAT DO WE SOLVE? **MUNICIPALITY ISSUES AND PROBLEMS**

INFORMATION TRANSPARENCY VISIBILITY INTERACTION ENGAGEMENT MOBILITY LIMITED RESOURCES

- Local news, informations - Municipal services listings - Location module (different type of business, attractions, services)

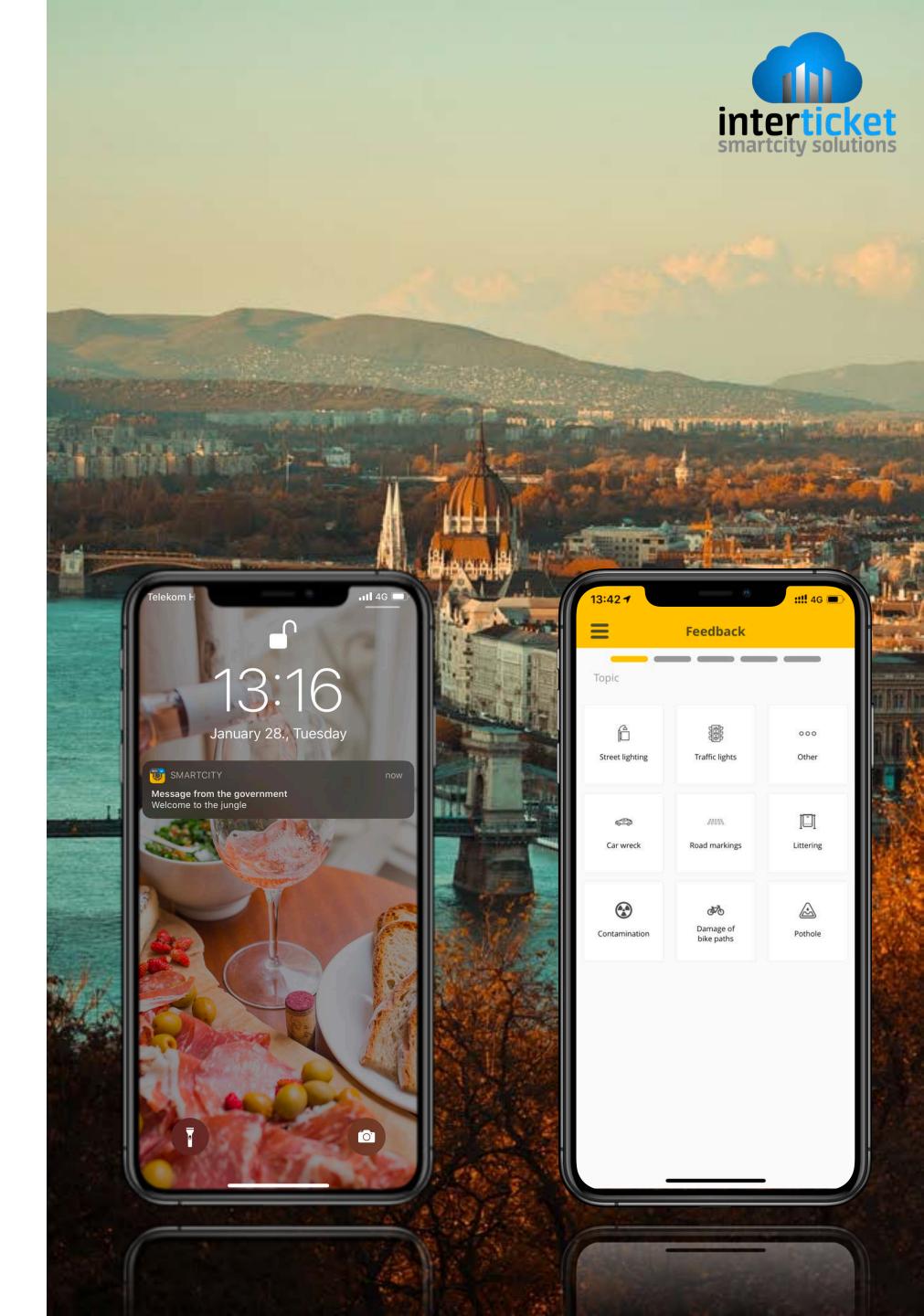


**MUNICIPALITY ISSUES AND PROBLEMS** 

INFORMATION TRANSPARENCY VISIBILITY INTERACTION ENGAGEMENT MOBILITY **LIMITED RESOURCES** 

- Voting / Survey
- Marketplace
- Messaging
- Booking

- Request for help/support



**MUNICIPALITY ISSUES AND PROBLEMS** 

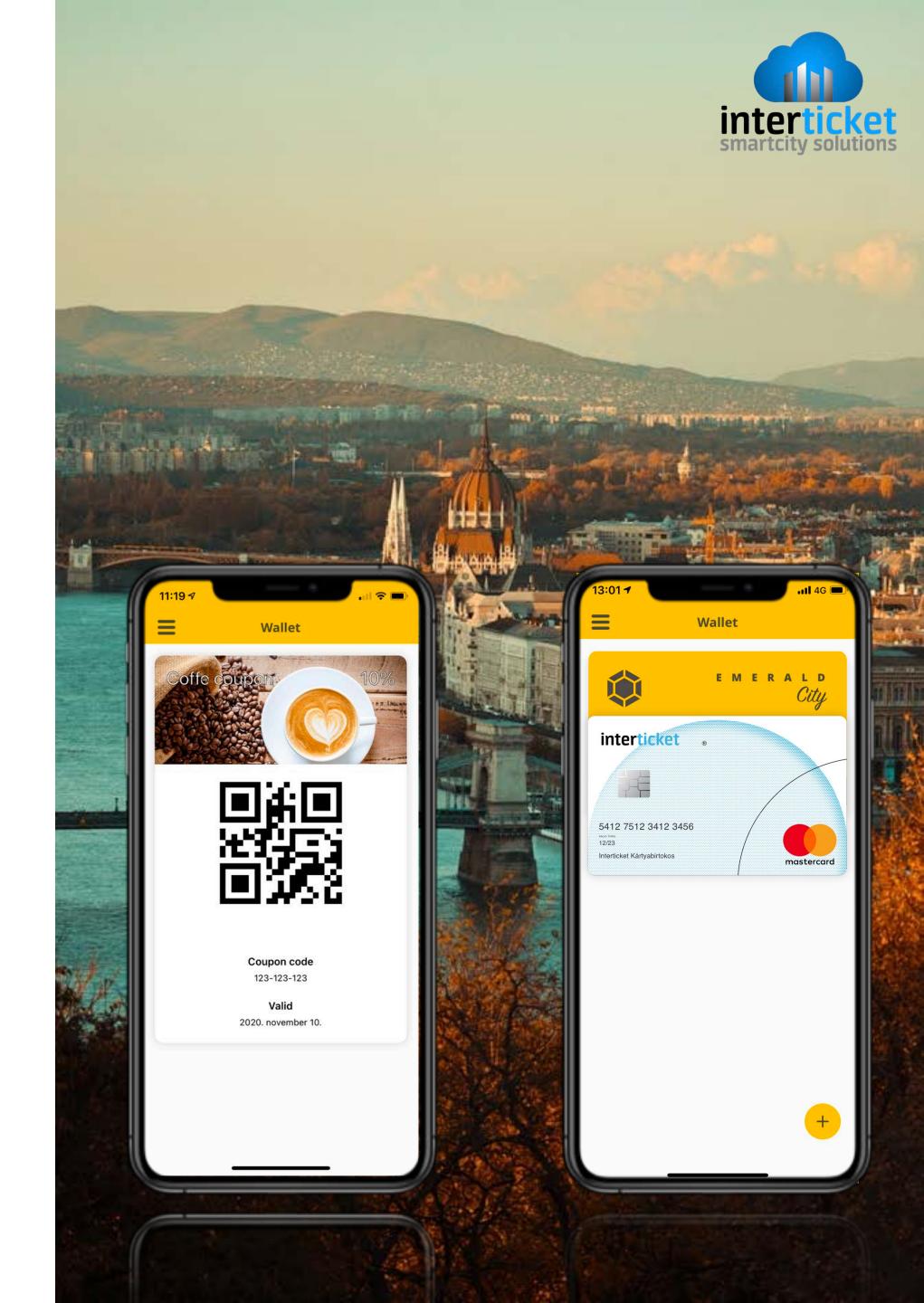
INFORMATION TRANSPARENCY VISIBILITY INTERACTION ENGAGEMENT MOBILITY **LIMITED RESOURCES** 

- City Card application /

  - - usage
- Loyalty programme
- Coupons / vouchers

issuance / presentation - Issuing prepaid bankcards - Online and offline

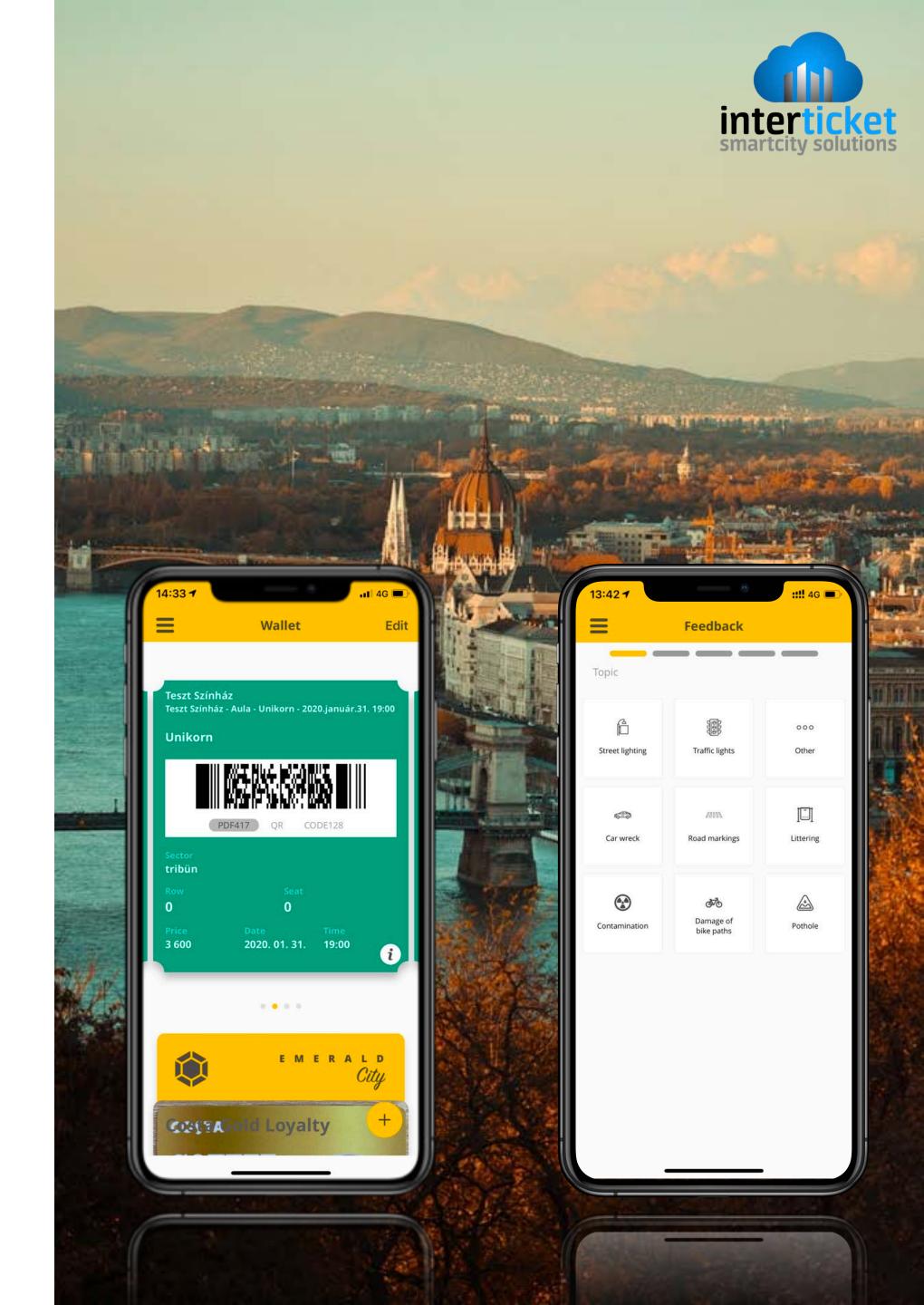
- Dedicated support



**MUNICIPALITY ISSUES AND PROBLEMS** 

INFORMATION TRANSPARENCY VISIBILITY INTERACTION ENGAGEMENT MOBILITY **LIMITED RESOURCES** 

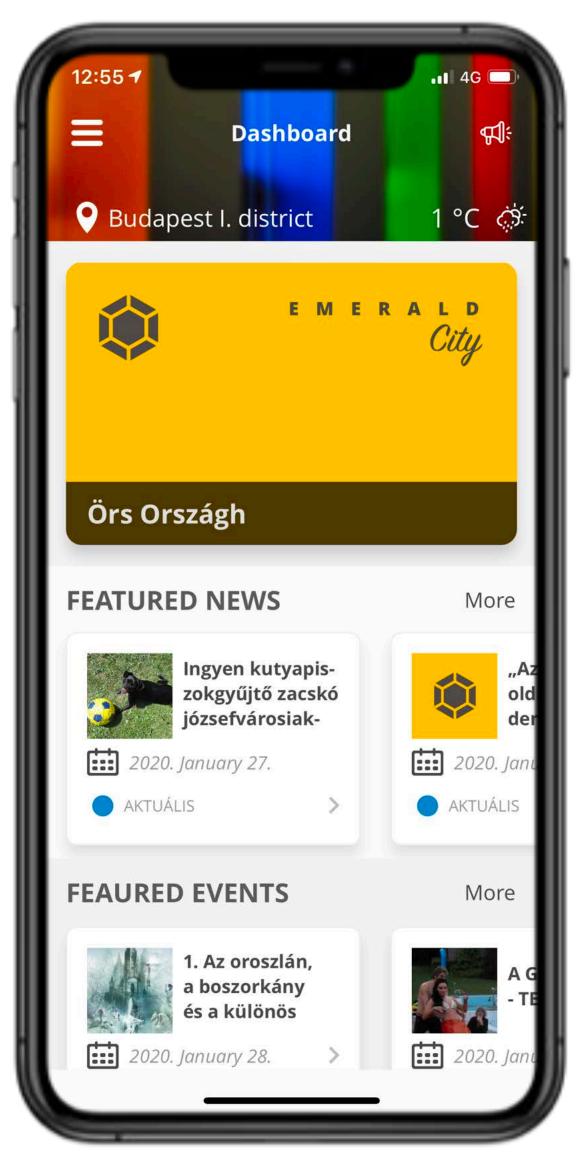
- Digital City Card
- Prepaid bankcard
- Feedback
- Surveys
- Parking
- Ticketing







# EMERALD CITY **SHOWCASE APP/** FEATURES

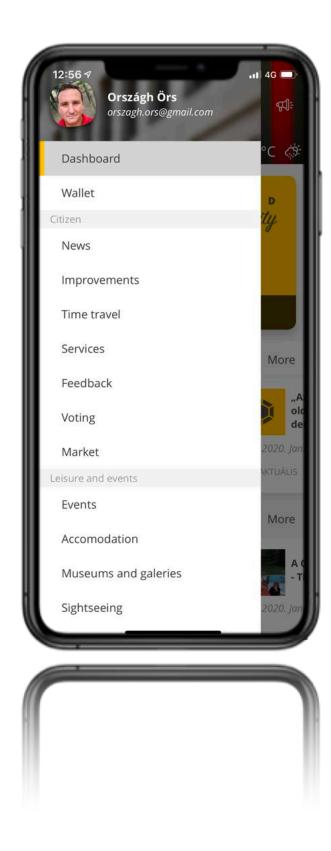


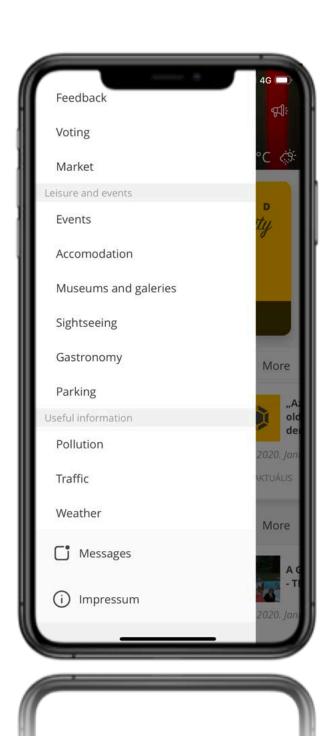


#### **CUSTOMIZABLE DASHBOARD WITH OFTEN USED ELEMENTS**

#### MODULAR DASHBOARD

#### **CUSTOMIZABLE DESIGN ELEMENTS**



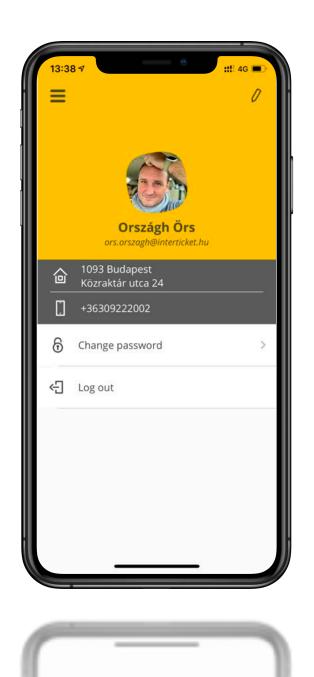


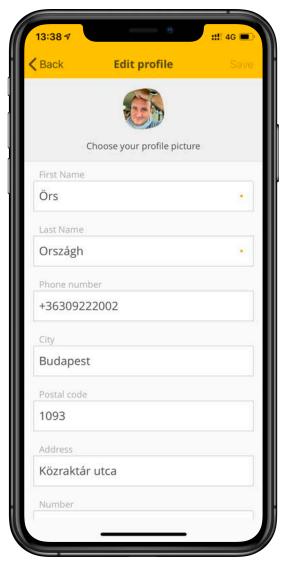
#### **SIDEBAR FOR LAUNCHING ALL SERVICES GROUPED BY FUNCTIONS.**

## **CUSTOMIZABLE AND NEW FUNCTIONS** CAN BE ADDED EASILY.









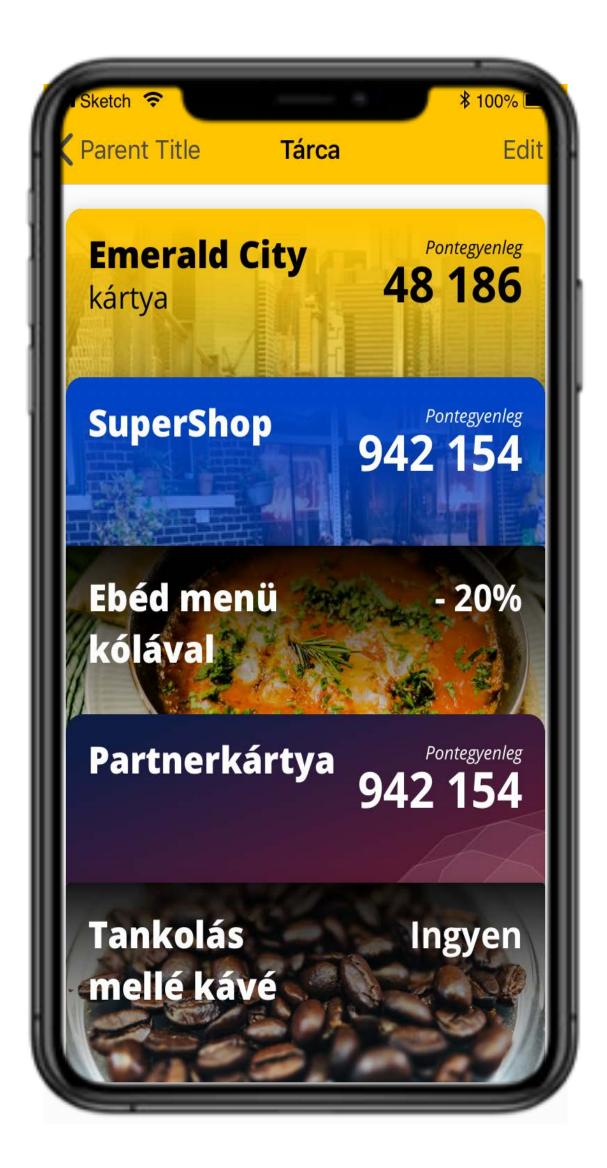
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#### **OAUTH BACKED FULL FEATURED PROFILE MODUL**

## **KYC CAN BE DONE ON MANY SECURITY** LEVELS









tickets.

The City Card can be applied from the wallet directly.

Card applications can be accepted or rejected on the admin site. The card is generated with a unique identifier which can be presented in various ways (QR, EAN, PDF147).

The user is notified via push messages from any changes in the application process.

#### WALLET MODUL

Storing digital cards (city card, payment cards) and also any kind of

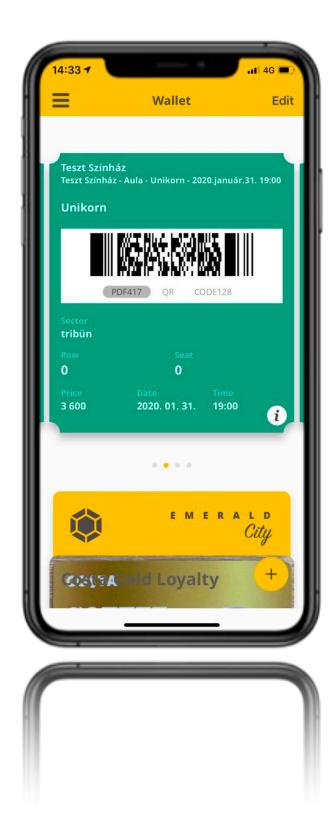




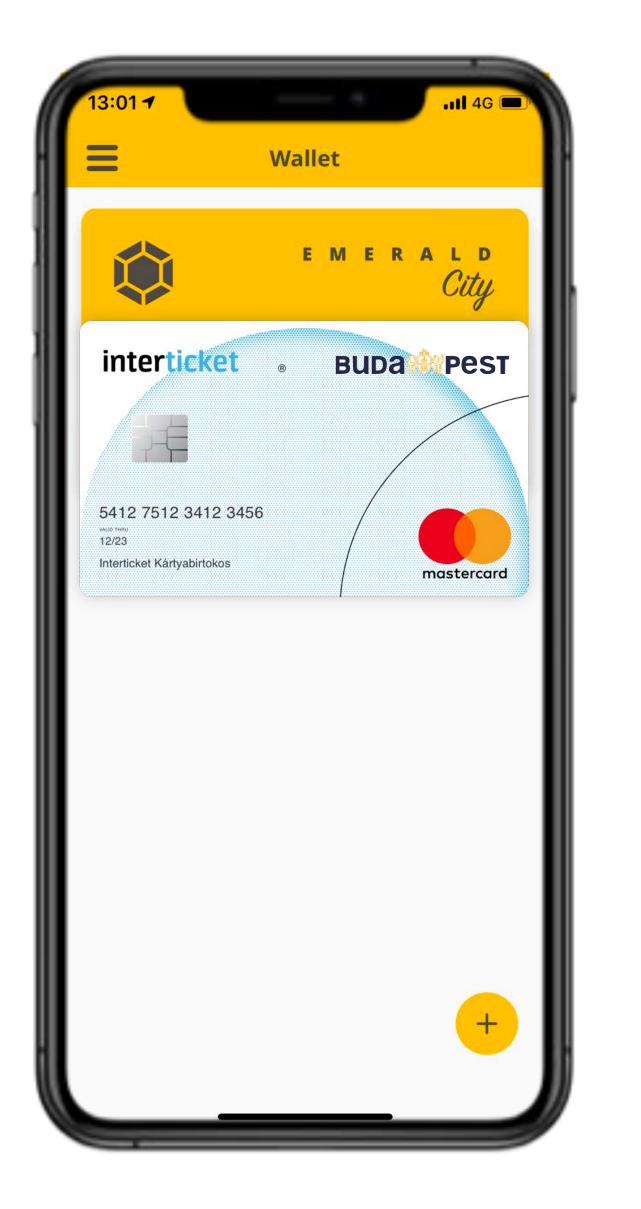














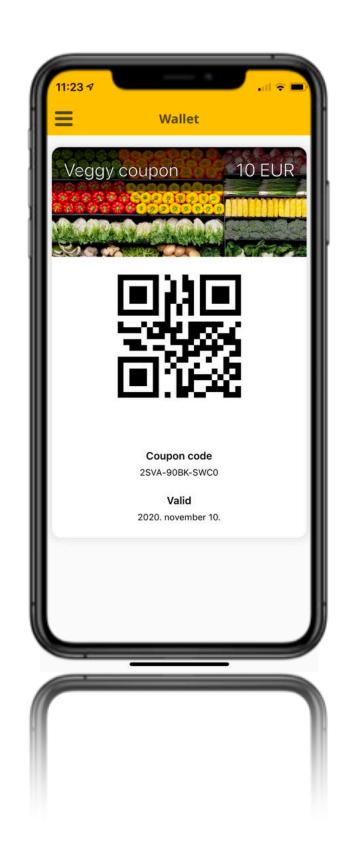
#### **MUNICIPALITY CARD**

- InterTicket/Municipality common brand card (3 group / 1 pricing) scheme)
- - Open loop
  - Virtual card
- Ready for transport
- Loyalty card • Closed loop loyalty card
  - cash-back/reward goes to the card
- **P2P transactions** Contact list integration
- ApplePay / Google Pay integration
- jegy.hu dedicated checkout

- **Physical card**
- Closed loop
  - Dedicated amount/accounts
  - Dedicated acceptence network (merchants in the district)









#### **COUPONS / VOUCHERS**

Different type of coupons and vouchers can be issued.

Coupons contain generic or unique identifiers, picture and text. The application and the backend is enabled to authenticate and accept those coupons which are generated internally.

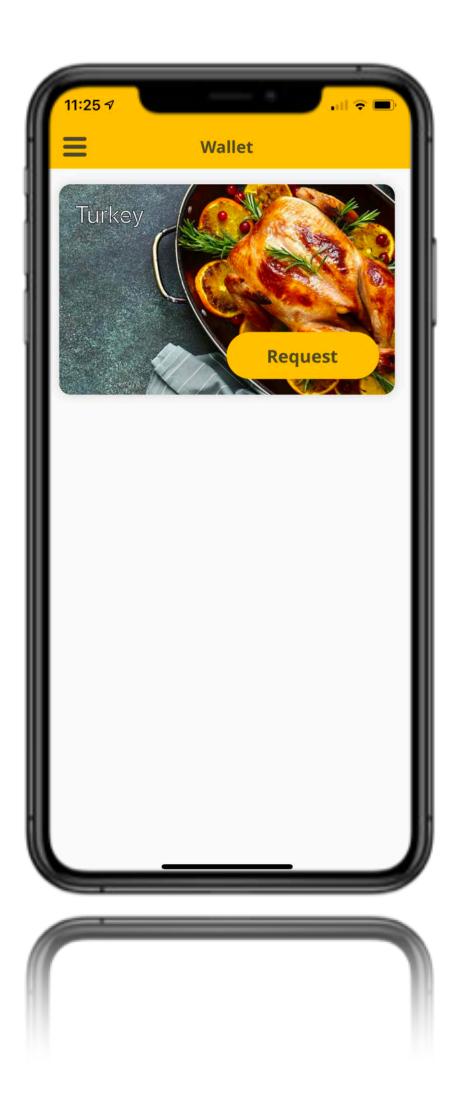
External coupon / voucher numbers can be also distributed to registered users.

Users receive push notifications from new and available coupons.

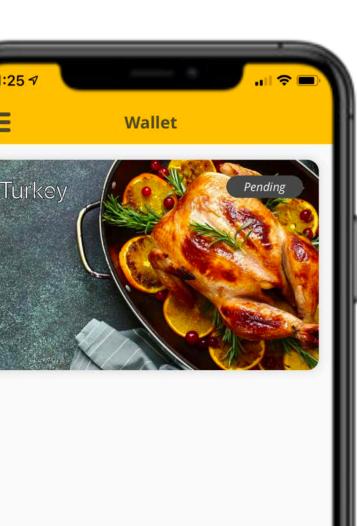
Statistics are created upon usage.

Generic coupons with expiry date. Internally generated unique coupons. Externally generated unique coupons. **Coupons / vouchers that can be applied.** 

## **APPLICABLE COUPONS**











13:42 7		<b>::!!</b> 4G 🗩
Ξ	Feedback	
Topic		
La Street lighting	Traffic lights	000 Other
සො Car wreck	////// Road markings	Littering
Contamination	<b>ම</b> ්රී Damage of bike paths	Pothole



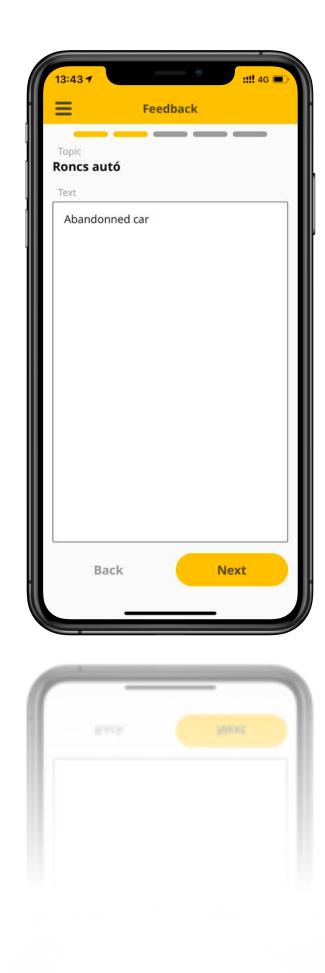
#### CUSTOMIZABLE CATEGORIES WITH **ADMIN BACKEND**

#### **TOPIC/LOCATION/PICTURE/COMMENT CAN BE ADDED TO THE FEEDBACK**

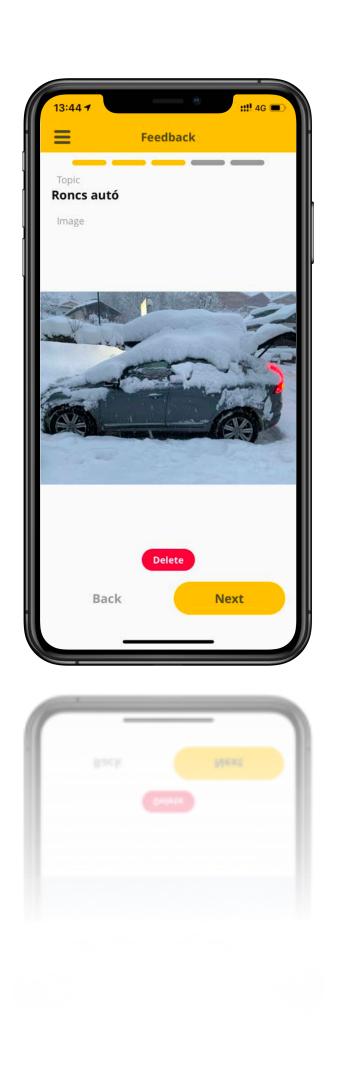


#### FEEDBACK MODULE.

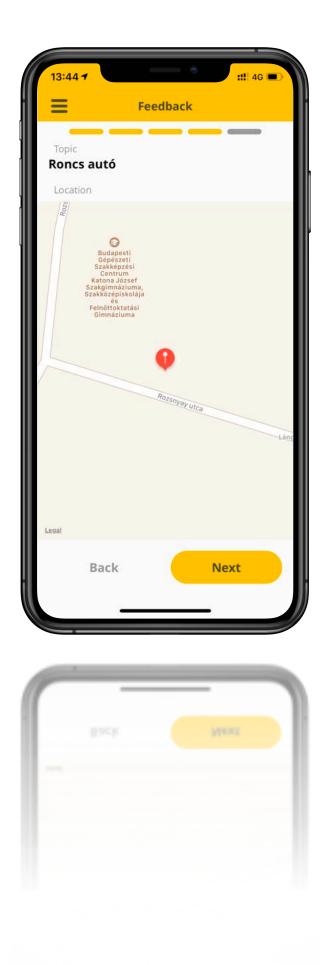


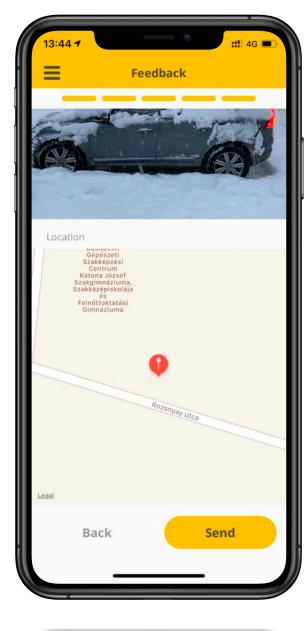


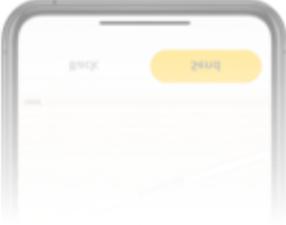
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=	Feedback	
Topic Roncs auto Image	5	
	+ Attach photo	
	Media sources Please choose	
	Photo Library	
	Take a photo	
	Cancel	
<u> </u>		

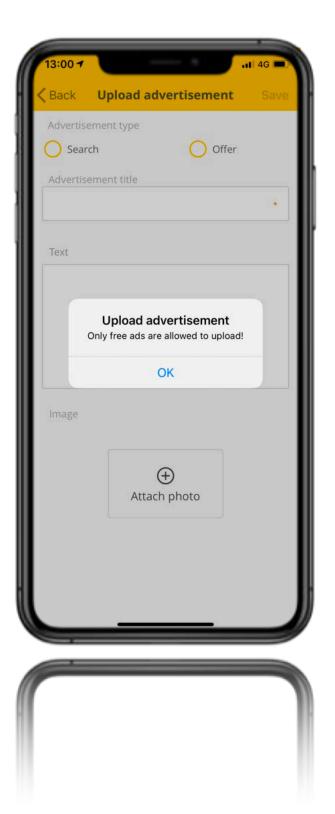


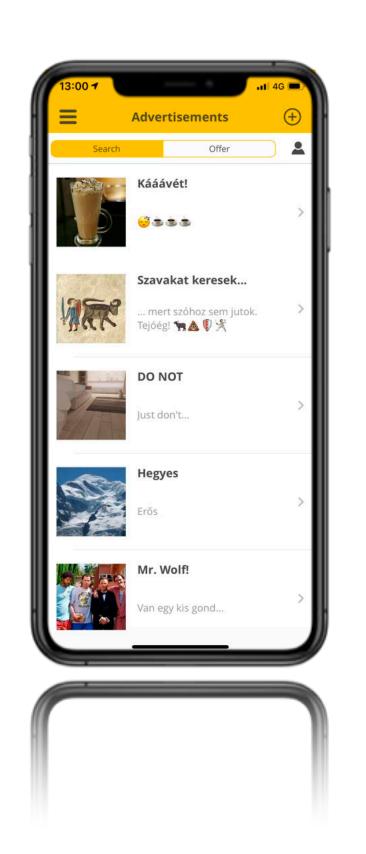












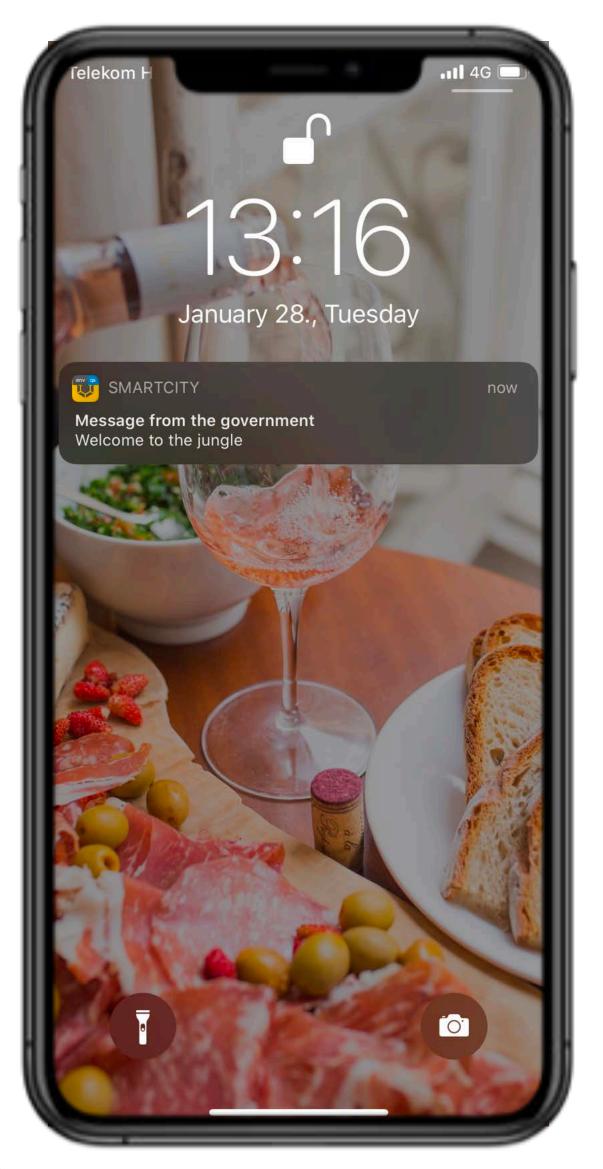
#### MARKET MODULE

Advertisement can be created with text and photos. Back-end is checking and filtering the ads in real-time so no illegal or unwanted advertisement can be created.

Submitted ads are visibile instantly to all users and ads that are not accapteble or spam can be reported to the admins.





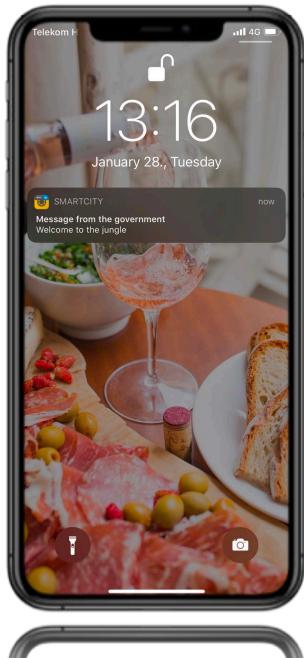




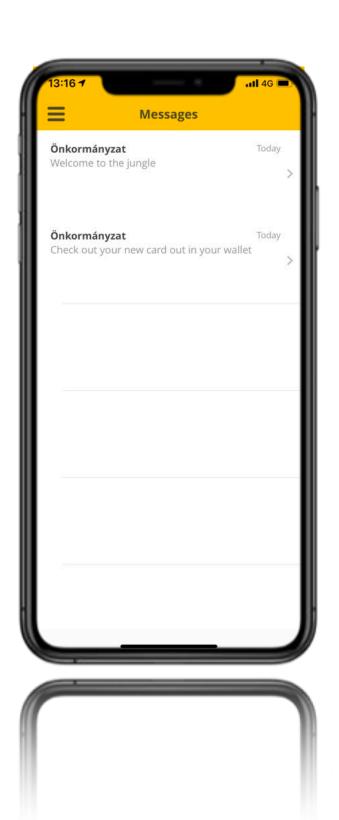
#### PUSH MESSAGES.

#### MESSAGES CAN BE SENT TO ALL USERS AND TARGETED USERS

#### MESSAGES CAN BE STORED IN THE APPLICATION

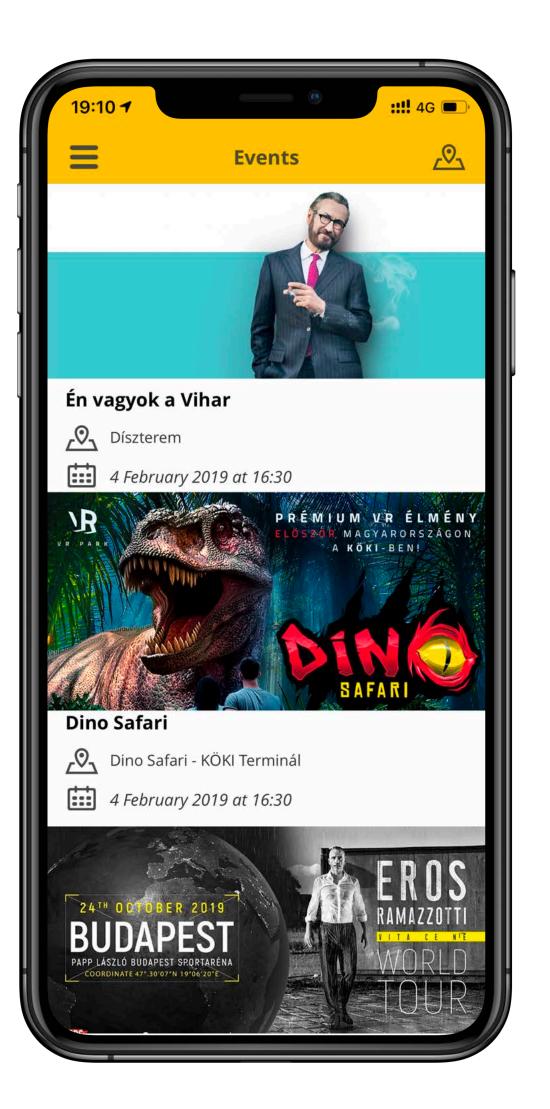














MODULE.

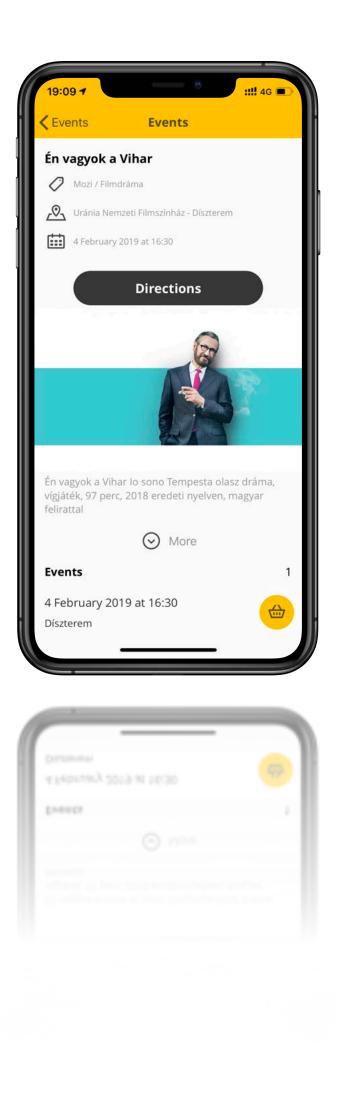
## FROM PROGRAM LISTS TO EVENT AND **VENUE INFORMATION, AND SEAT** SELECTION

#### TICKETS DOWNLOADED TO WALLET

# EVENT MANAGEMENT AND TICKETING

#### **PAYMENT GATEWAY**





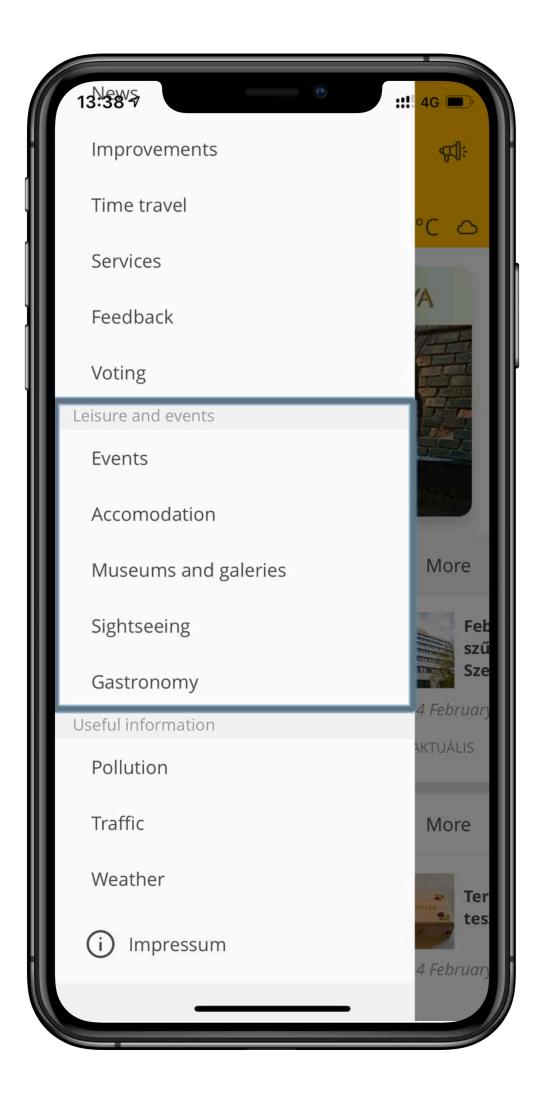








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Kosá	ár Þ	ecsült lejára	ti idő: 29:52
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≤ 2.0 ≤ 7.0 T	<b>yok a Vihar</b> lemzeti Filmszínhá	z, Díszterem	
	nt jobb 13. sor 6. s. 4. hétfő, 16:30	zék	$\otimes$
			Ar: 1 500 Ft díj: 230 Ft
Kézbes	ítés módja: <b>E-Tick</b>	et (j)	
		Összese	en: 1 730 Ft
	Simple - Bankká		simplepay
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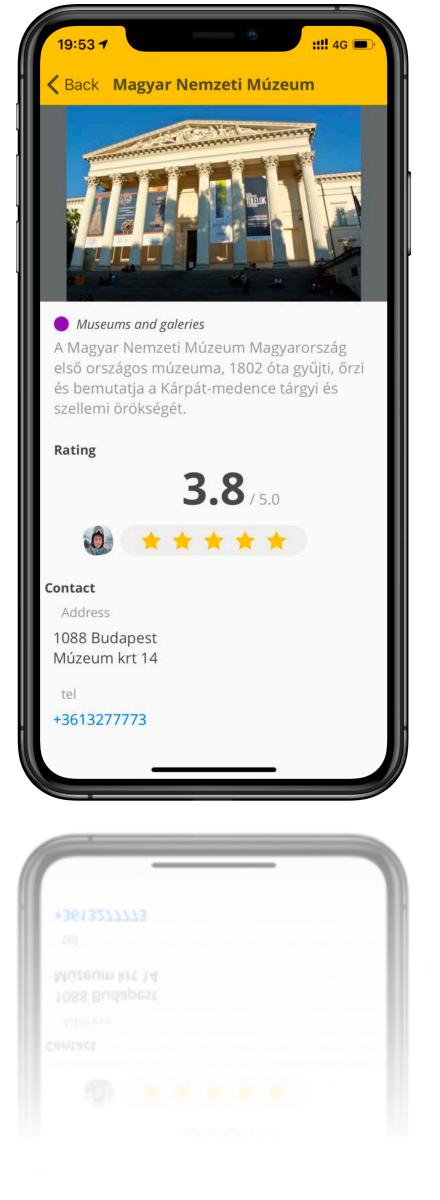




#### LIST OF MUSEUMS/GALERIES/ **ACCOMODATION/SIGHTSEEING/ GASTRONOMY LOCATIONS**

#### PHOTO/TEXT/RATING/LOCATION/ NAVIGATION

#### PLACES MODULE.



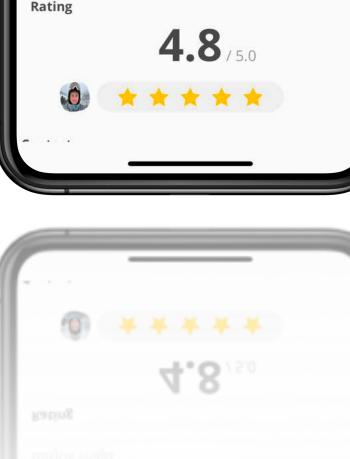




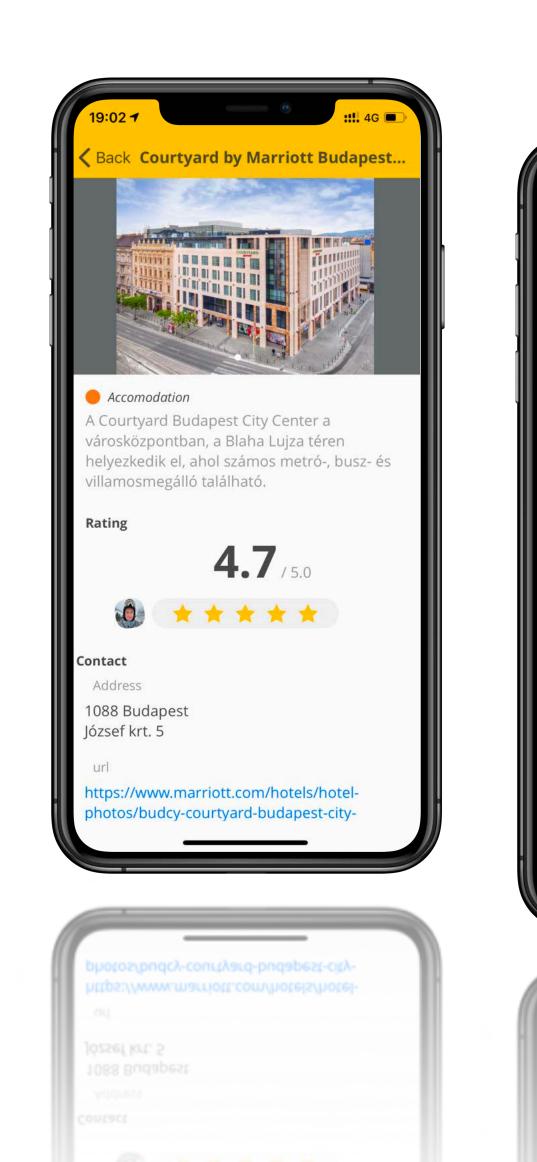
#### Sightseeing

Fővárosi Szabó Ervin Könyvtár (FSZEK) a VIII. kerületben, a Kálvin tér közelében található. A könyvtár 1889-ben épült neobarokk stílusban és 1931 óta tölti be mai szerepét. Járnak ide budapesti egyetemisták tanulni, kutatók tanulmányokban elmerülni, professzorok anyagot gyűjteni és régi épületek szerelmesei szimplán csak körülnézni. A hatalmas, korhű termek, ódon bútorok, kényelmes fotelek mindenkit rabul ejtenek és nem kizárt, hogy az egész napot csak a hely felfedezésével töltjük majd

Rating



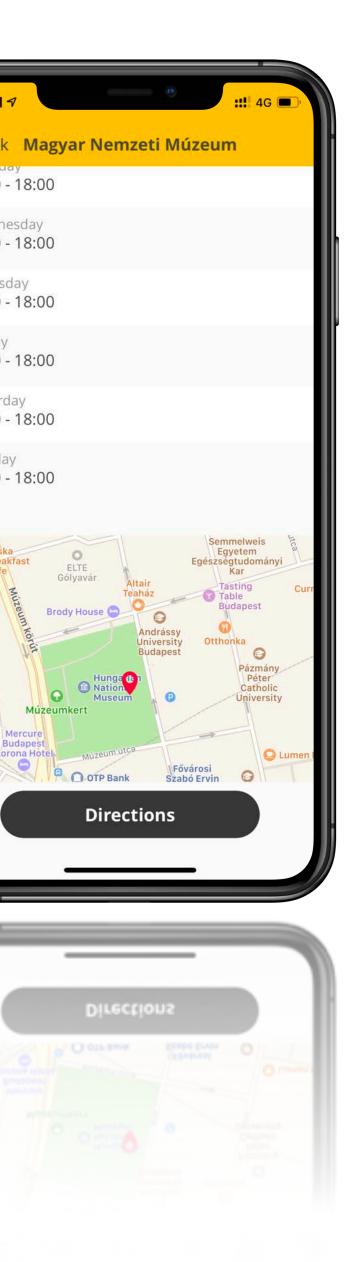








14:41 7 ### 46 Back Magyar Nemzeti Múzeum	14:41 7
Örs Országh	Back Mag 10:00 - 18:00          Wednesday         10:00 - 18:00         Thursday         10:00 - 18:00         Friday         10:00 - 18:00
Image: Contact   Address   No88 Budapest   Múzeum krt 14   tel   +3613277773	Saturday 10:00 - 18:00 Sunday 10:00 - 18:00 Map Nter Zoska Breakfast autra Breakfast autra Breakfast autra Breakfast autra Breakfast Breakfast Breakfast Breakfast Cafe Muzeur FRUM Breatfast
Cottatt Mareum krt 14 vel vel	

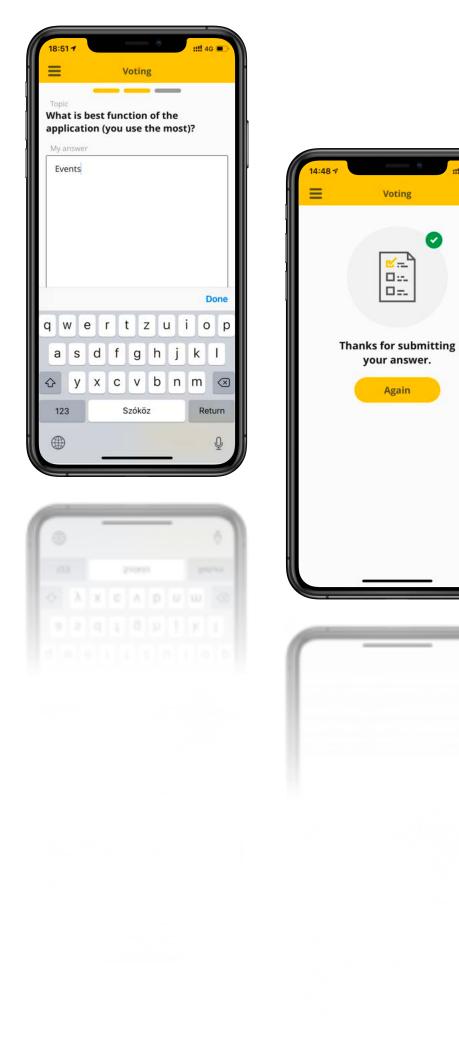




## **OPEN QUESTIONS, OPINION** COLLECTION

#### FULL FEATURED SURVEYS (CLOSED-ENDED)

# TOOLS





be renovated in the district

What is best function of the application

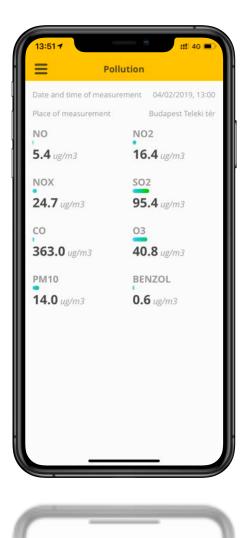
Who is your favourite po

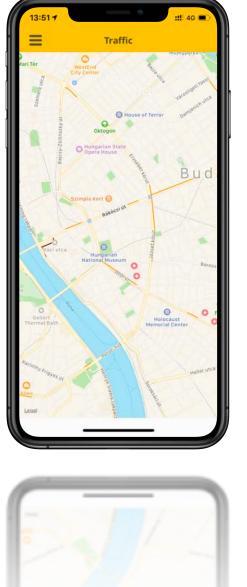
you use the most)

he district?

#### **VOTING/SURVEY MODULE.**

## **ADMIN BACKEND WITH DASHBOARD**







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## LOCATION BASED INFORMATION MODULE.

#### TRAFFIC

#### WEATHER



POLLUTION

## REFERENCES

#### Budapest 13th district

#### Budapest 8th district









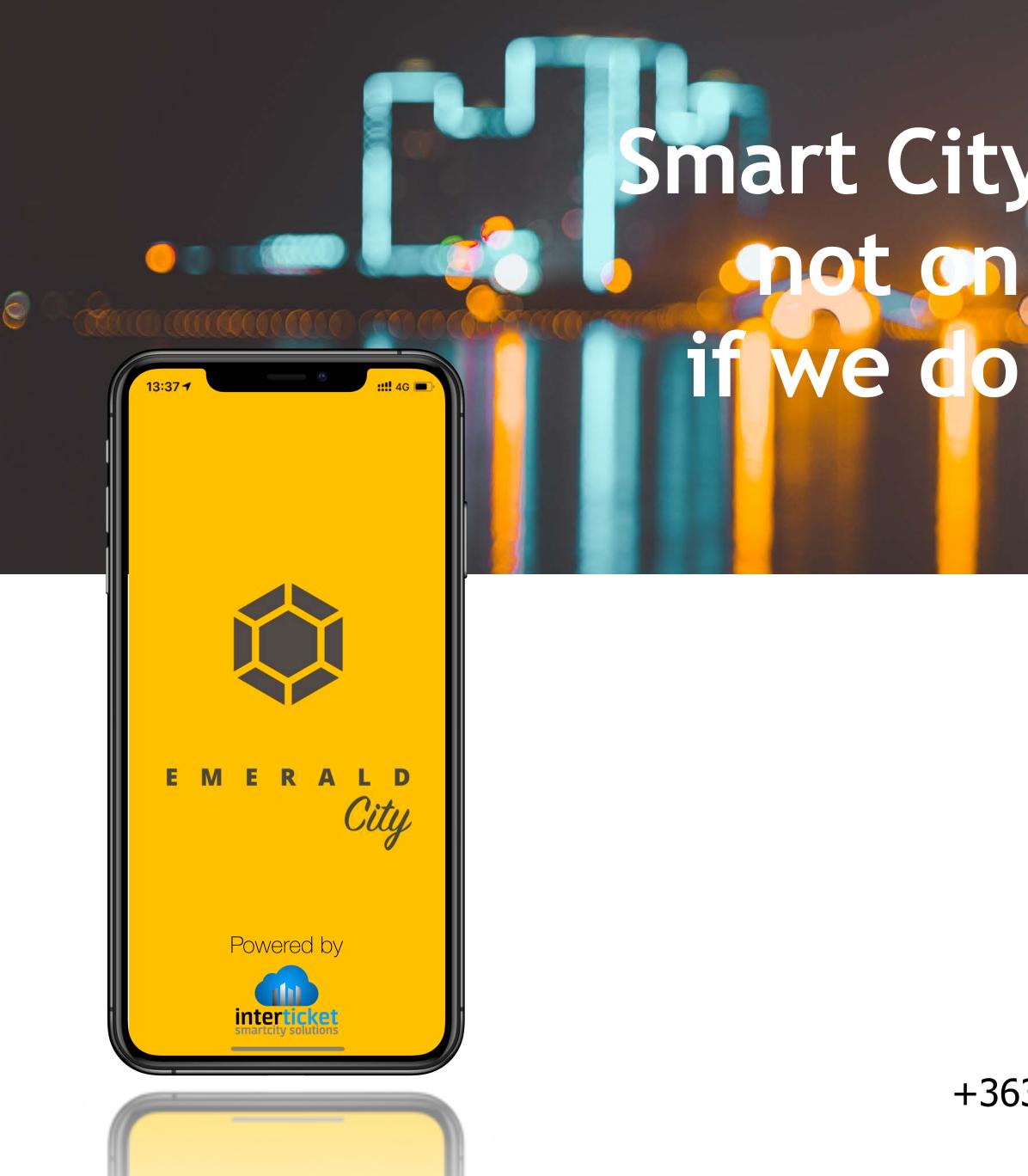
# 11:40 \* Soboard Dashboard Józsefváros card Józsefváros card News Report Rave your say! Market Events Parking Pollution Traffic Weather Impressum





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11:40 7 Országh Örs ors.orszogh@interticket.hu	4
Dashboard	aland 9 3
SuperShop and coupons	
News	Supe
Report	
Survey	
Petrol stations	M
Traffic	
C <sup>•</sup> Messages	
i Impressum	





## Smart City can be easy not only smart... if we do it together

Országh Örs Interticket Kft. | interticket | jegy.hu Innovációs Igazgató | Chief Innovation Officer 1139 Budapest, Váci út 99., 6. emelet (Balance Building, toronyépület) +36309222002 | ors.orszagh@interticket.hu | interticket.co/smartcity



