



SEA

INNOVATIONS
& EFFICIENCY

Creating parking space of the city



The main tasks of creating a parking space control system



- Definition of parking zones
- Interaction with different types of registers
- Purchase and installation of parking meters
- Purchase and installation of software for automation of parking payment process and payment control
- Complex provision of info protection and certification
- Providing equipment a payment control and photo recording of violations for inspectors
- Providing a convenient mobile parking payment tool for drivers



Creating parking space of the city designed by SEA Company



Creating parking space of the city can be organized by Automated Parking Payment Control System (APPCS) software.

APPCS is developed by specialists of the SEA Company for automation of parking payment processes, monitoring and dispatch of parking meters, control of payments and fines, generation of financial and other statistical reports.



APPCS is recommended for legal entities, owners, tenants, co-owners of parking services and complexes, drivers and parking services personnel (inspectors, dispatchers, operators).

Destination of the Automated Parking Payment Control System (APPCS) by SEA Company



1. Automation of parking payment processes by:
 - credit card or Cash
 - mobile app SEA Parking
2. Parking meters dispatching
3. Driver payment control by mobile app Parking Inspector
4. Formation of financial and other statistical reports
5. Imposing fines

Automated Parking Payment Control System (APPCS) by SEA Company has the certificate of complex provision info protection

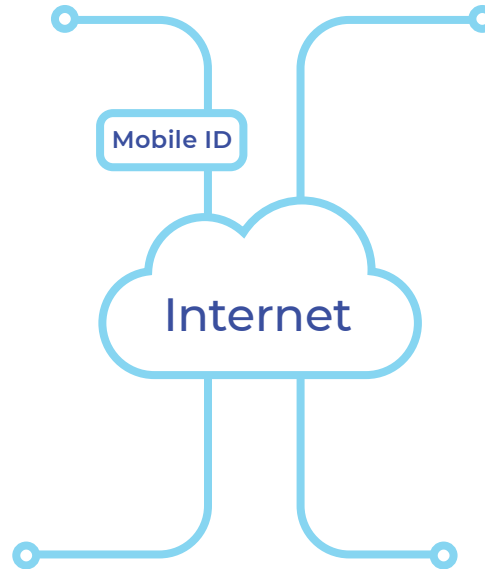
Automated Parking Payment Control System (APPCS) structure



Parking Inspector with the Parking Inspector mobile app



Database server



Parking dispatcher



Vehicle driver with the SEA Parking mobile app

Automated Parking Payment Control System (APPCS) equipment provides:



- Parking space system administration
- Fixation of all necessary user data with parking and payment history
- Control of payments by drivers based on the vehicle registration plates
- User access to obtain the necessary information
- Storage and archiving of information
- Possibility of interaction with other companies' programs



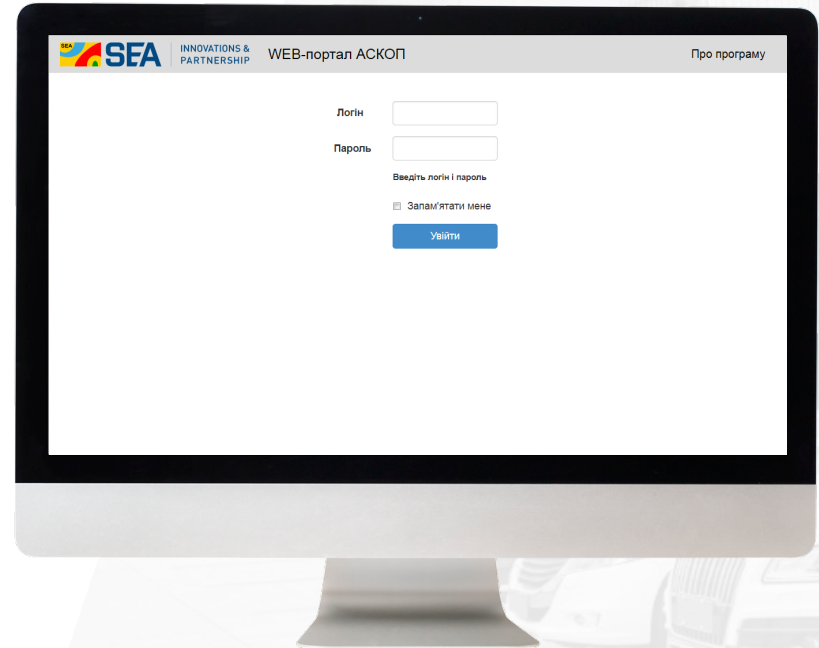
Web portal APPCS



It is a software product for monitoring technical, accounting information and getting real-time information about all parking meters.

Web portal APPCS includes the following departments:

1. Parking meters;
2. Parking spaces;
3. Administration;
4. Accounting;
5. Control of payment of fines;
6. Driver's office (possibility of reviewing the violation, topping up the account, etc.).



Parking meters dispatching



The server checks the status of parking meters (at least every half hour), automatically creates a report in the statistics log. Transaction and collection data are transmitted by the parking meters to the server immediately if there is a connection.

Access to formalized information from the server (in the form of tables, graphs etc.) is carried out on the portal from any computer according to the access rights given to the dispatcher.

The subsection "Parking meters" contains information about the serial number, location, real status, work schedule, transactions, related archives (reports and messages) of each parking meter.

The subsection "Parking" displays data about parking spaces (group, tariffs, places etc.).

Dispatcher can add / edit / delete any object from the system.

Automated Parking Payment Control System (APPCS) interface



WEB-портал АСКОП Компания СЕА: М. Киев

Паркоматы	1	2	3	4
на карте	132 31.05.2019 17:37:24	133 16.01.2019 9:48:02	136 03.02.2014 14:52:45	137 19.08.2014 11:27:13
в виде плитки	166 16.01.2019 9:46:13	171 09.11.2019 14:30:20	172 16.01.2019 9:41:47	173 16.01.2019 9:49:31
список	195 01.01.1970 2:00:00	197 02.12.2016 17:41:53	200 16.01.2019 9:50:23	202 16.01.2019 9:47:07
Парковки	218 16.01.2019 9:49:17	221 16.01.2019 9:41:25	229 01.01.1970 2:00:00	234 27.11.2018 10:42:19
на карте	249 03.11.2017 11:08:38	250 03.11.2017 9:17:47	251 03.11.2017 12:24:24	252 16.01.2019 9:41:11
список	296 16.01.2019 9:47:44	421 01.01.1970 2:00:00	422 01.01.1970 2:00:00	423 01.01.1970 2:00:00

WEB-портал АСКОП Компания СЕА: М. Киев

Карта парковочного пространства АСКОП - паркоматы

Добавить паркомат

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WEB-портал АСКОП Компания СЕА: М. Киев

Список парковок

Наименование	Адрес	Тип	Тариф	Место	Доп. место	Тар	Статус	Примеч	А.И.И.	Коды	Тар	Статус
Парковка АСКОП	ул. Свободы, 100	Легковые	1	100	30	30	00:00	2019-10-15	0000	700	2	0

WEB-портал АСКОП Компания СЕА: М. Киев

Список паркоматов

Адрес	Ид	Тип	Статус	Последний статус	Создан	Изменен	Удален	Активен	И.И.И.
ул. Свободы, 100	100	Легковые	0	0	0	0	0	0	0

Administration of the APPCS



The subsection «Administration» allows to create and manage the accounts of staff and parking users, change levels of access to services, add tariffs, categories of drivers and vehicles.

APPCS automatically blocks sessions after a set time inactivity, keeps logs of work with the system dispatchers, operators and inspectors.

Personnel access rights to information are limited in APPCS. The highest level of access is owned by the user, tentatively called the Superadministrator.



Accounting and reporting



The server of Automated Parking Payment Control System processes and stores data on the functioning of this system, drivers' vehicles, status and operation mode of the parking space.

Accounting of operations is carried out automatically. Parking operators and the owner of APPCS have access to the logs.

Reports are generated according to any available data and criteria in the ASKOP system, such as payment / non-payment for services, with the possibility of changing the content of reports and exporting information. Data is provided both in the real time and over a specified period.

The subsection «Accounting» contains a form for sampling transactions and z-reports by groups, parking lots and individual parking meters that included in the system.

SEFA ИННОВАЦИИ И ПАРТНЕРСТВО WEB-портал АСКОП Компания SEFA: м. Киев О программе Выйти

Бухгалтерия

Отчёт о транзакциях

Сводный отчёт по паркоматам и типам платежей—2019-01-01-2019-01-16—м. Киев—Парковка —Все паркоматы—Cash, Card, Mobile

Группа: м. Киев
 Парковка: Парковка
 Паркомат: Все паркоматы
 Платеж: [Иконки платежей]
 Период: Задать период
 Начало: 01.01.2019
 Конец: 16.01.2019
 Выгрузить

Группа	Парковка	SN	Паркомат	Тип платежа	Количество операций	Сумма
м. Киев	Парковка	-	-	Mobile	5	5
м. Киев	Парковка	184	184	Cash	818	8 450
м. Киев	Парковка	296	Ашан ЗД 28	Cash	26	1 461
м. Киев	Парковка	296	Ашан ЗД 28	Card	20	950
м. Киев	Парковка	252	Ашан Здопбуновская	Cash	179	8 410
м. Киев	Парковка	253	Ашан Здопбуновская	Cash	264	5 815
м. Киев	Парковка	267	Ашан Здопбуновская	Cash	33	679
м. Киев	Парковка	252	Ашан Здопбуновская	Card	126	8 655
м. Киев	Парковка	253	Ашан Здопбуновская	Card	101	3 485
м. Киев	Парковка	267	Ашан Здопбуновская	Card	22	390
м. Киев	Парковка	216	Велотрек Киев	Cash	4	110
м. Киев	Парковка	218	Велотрек Киев	Card	2	30
м. Киев	Парковка	246	ВК 34 Киев	Cash	48	1 200
м. Киев	Парковка	246	ВК 34 Киев	Card	14	290
м. Киев	Парковка	245	ВК 34 Харьков	Cash	424	3 095
м. Киев	Парковка	245	ВК 34 Харьков	Card	65	560
м. Киев	Парковка	200	г. Ивано-Франковск, ПП Ярмо ЮФ	Cash	926	10 150
м. Киев	Парковка	172	г.Ирпень 172	Cash	2	10
м. Киев	Парковка	202	Ивано-Франковск, Ярмо	Cash	443	5 169

Z-ОТЧЁТЫ

Группа: Выберите группу
 Парковка: Выберите парковку
 Паркомат: Выберите паркомат

SEFA ИННОВАЦИИ И ПАРТНЕРСТВО WEB-портал АСКОП Компания SEFA: м. Киев О программе Выйти

Бухгалтерия

Z-отчёты

Отчёт—Текущий месяц—м. Киев—Парковка—СЗА, Тест Банкомат

Отчёт о транзакциях

Группа: м. Киев
 Парковка: Парковка
 Паркомат: Все паркоматы
 Платеж: [Иконки платежей]
 Период: Текущий месяц
 Выгрузить

Номер отчёта	Дата открытия	Дата закрытия	SN	Остаток на начало смены, грн.	Тариф, грн./час	Общее время	Сумма транзакций, грн.	Сумма НДС	Коп. во чеке
155	15.01.2019 23:58:55	15.01.2019 23:58:56	3	5	0	00:00:00	0	0	0
154	14.01.2019 23:59:09	14.01.2019 23:59:10	3	5	0	00:00:00	0	0	0
152	13.01.2019 23:59:03	13.01.2019 23:59:04	3	3	0	00:00:00	0	0	0
151	12.01.2019 23:59:04	12.01.2019 23:59:05	3	3	0	00:00:00	0	0	0
150	11.01.2019 23:59:03	11.01.2019 23:59:04	3	3	0	00:00:00	0	0	0
179	10.01.2019 23:59:03	10.01.2019 23:59:04	3	3	0	00:00:00	0	0	0
178	09.01.2019 23:59:08	09.01.2019 23:59:09	3	3	0	00:00:00	0	0	0
172	05.01.2019 23:59:04	05.01.2019 23:59:05	3	0	0	00:00:00	0	0	0
171	04.01.2019 23:59:02	04.01.2019 23:59:03	3	0	0	00:00:00	0	0	0
170	03.01.2019 23:59:05	03.01.2019 23:59:06	3	0	0	00:00:00	0	0	0
169	02.01.2019 23:59:03	02.01.2019 23:59:04	3	0	0	00:00:00	0	0	0
168	02.01.2019 9:25:16	02.01.2019 9:25:44	3	2	0	12:12:00:00	3	0	1
167	01.01.2019 23:59:02	01.01.2019 23:59:03	3	2	0	00:00:00	0	0	0

Z-ОТЧЁТЫ

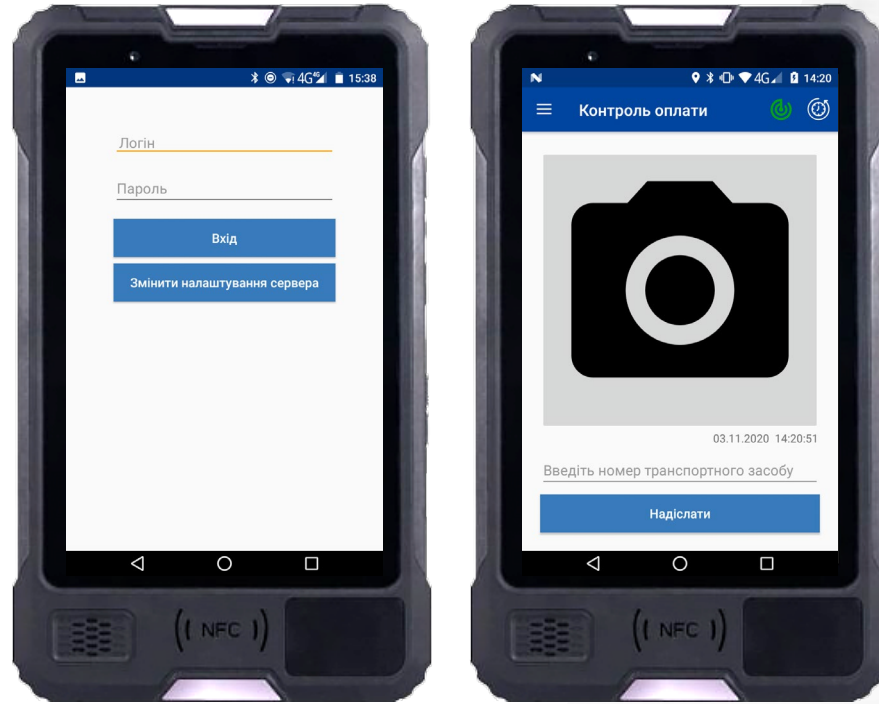
Группа: м. Киев
 Парковка: Парковка
 Паркомат: СЗА, Тест Банкомат
 Период: Текущий месяц
 Выгрузить

Всего строк: 13

Inspector's technical tool for photo/video recording of violations



The technical tool is intended for use in APPCS as a mobile device of a parking inspector to control some provisions of the Code of Ukraine on Administrative Offenses.

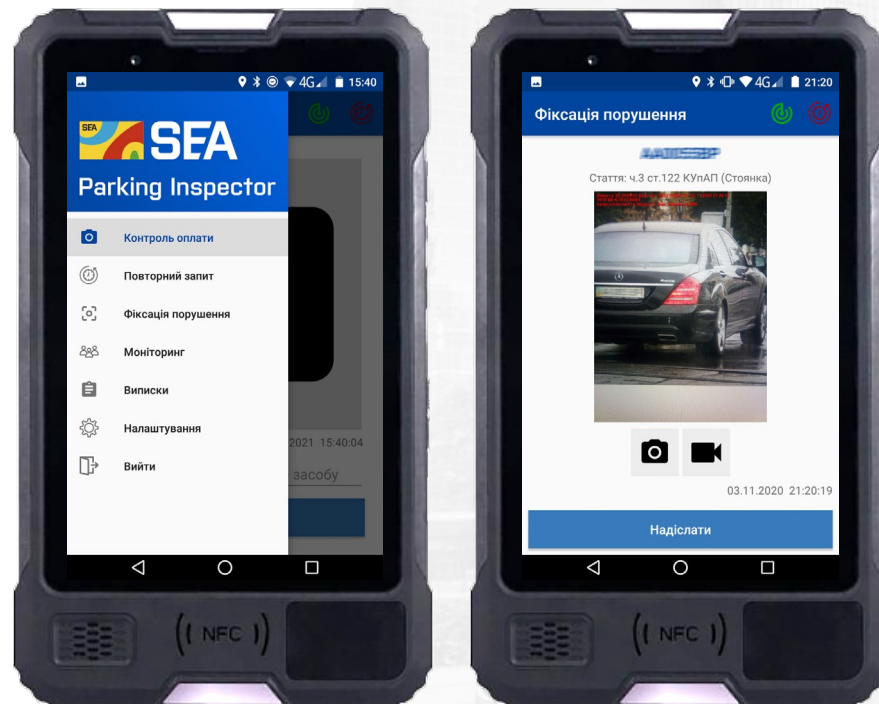


*The main application window
(appears after successful user authorization).*

Parking Inspector program capabilities

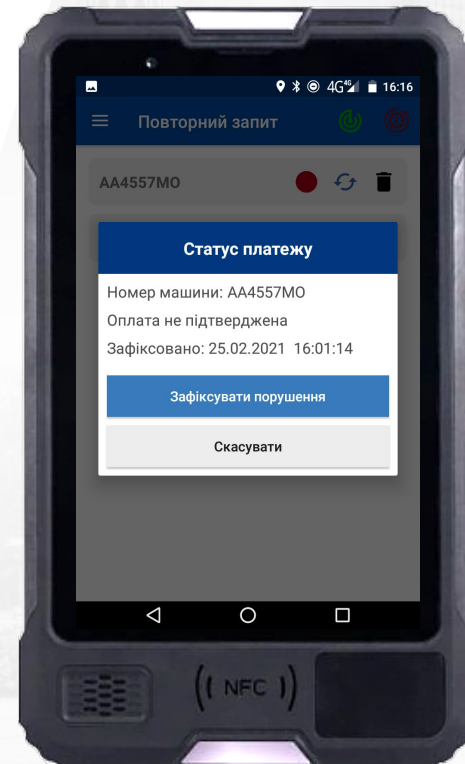
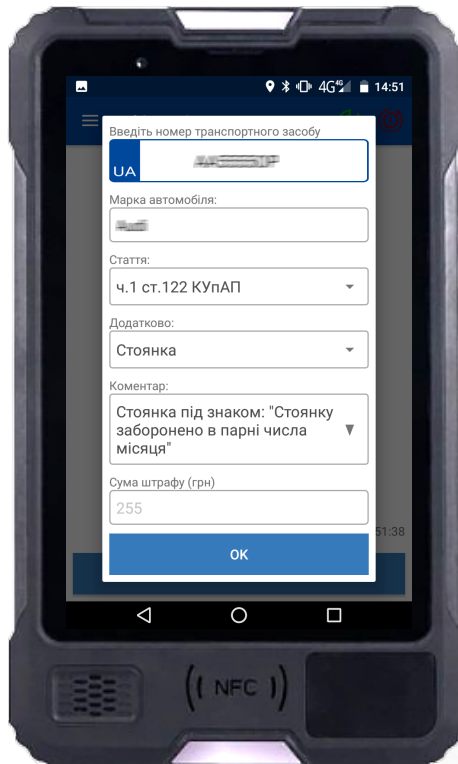


- Authorization of responsible inspector (login and password)
- Photographing vehicles and their reg plates for recognition and payment control
- The possibility of manual input of the vehicle number by the inspector
- Getting payment information from the server
- PARKING SPACE MONITORING
- Fixing violations of parking payment conditions



Photographing vehicles and their reg plates for transfer to the server.

Recording of violations



SEA Parking* app for drivers



For easy navigation and information updates about parking areas, as well as making cashless payments for the provided services using a device running the Android or iOS operating system.

The user is identified by mobile phone number. Registration is confirmed by the code from the SMS message and agreement with the terms of use of this program.

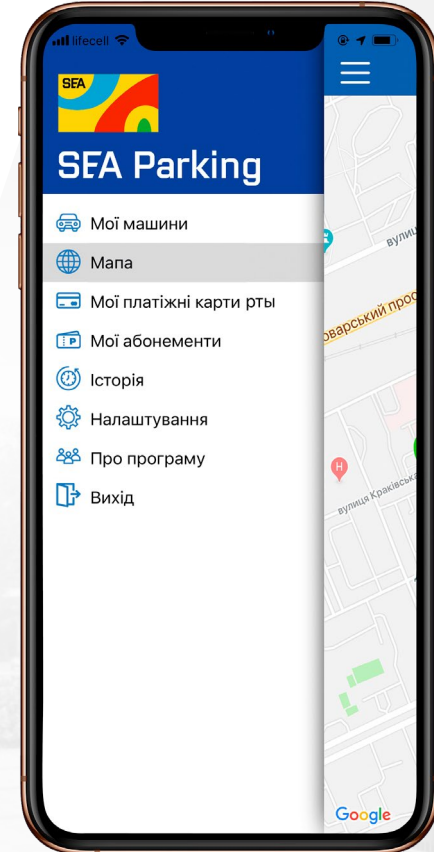
** available for download on the Play Market and App Store*



SEA Parking program menu



- My cars - the list of vehicles.
- Map with a list of parking lots.
- My payment cards.
- My parking pass.
- Parking history.
- Settings – interface language, e-mail address, rules of use, etc.
- About the program.
- Exit.

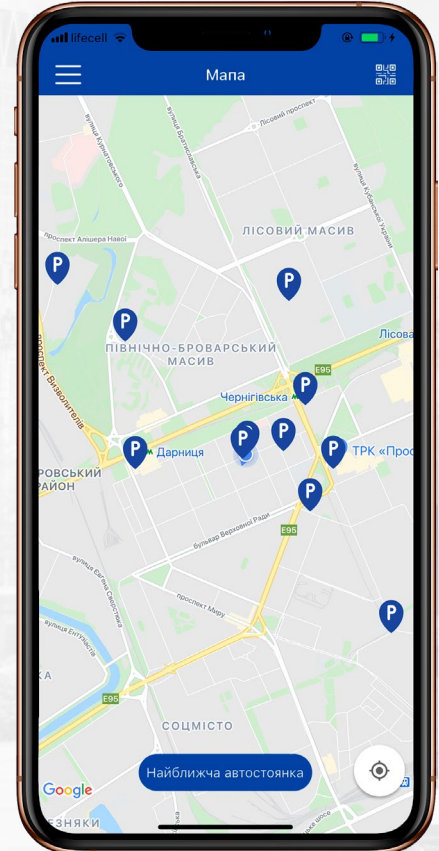
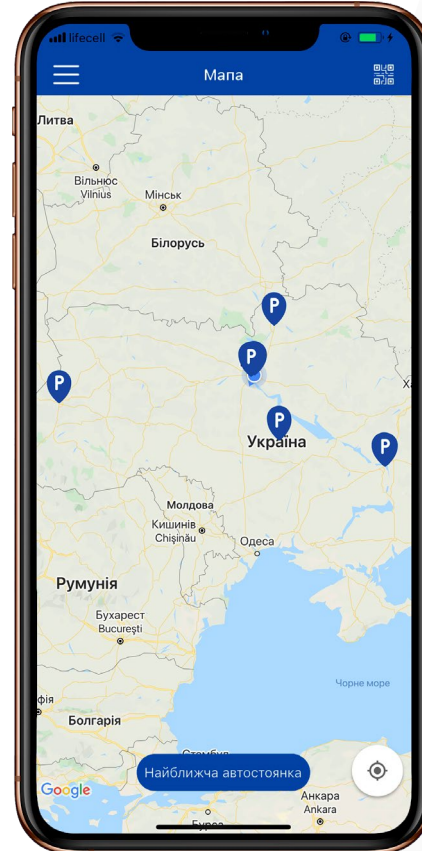


Parking search in the mobile app SEA Parking



The map shows markers of available parking spaces and the location of the user's mobile device in mobile app SEA Parking.

The selection of parking lot for viewing is carried out by touching the marker: a separate window displays service information.

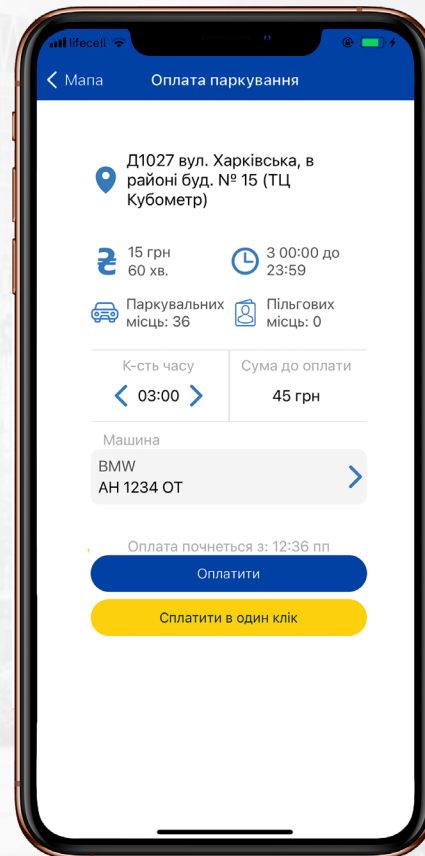
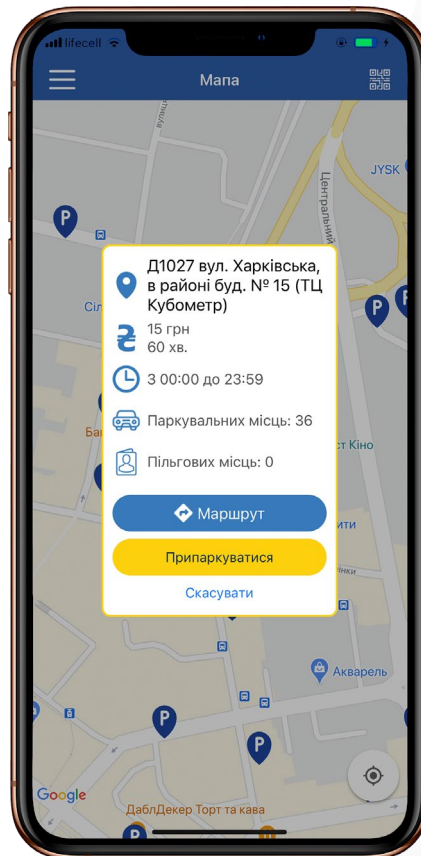


Payment for parking in the mobile app SEA Parking

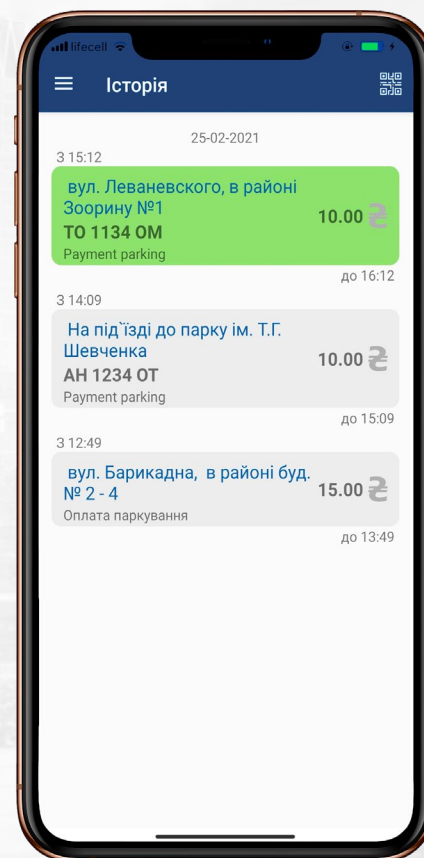
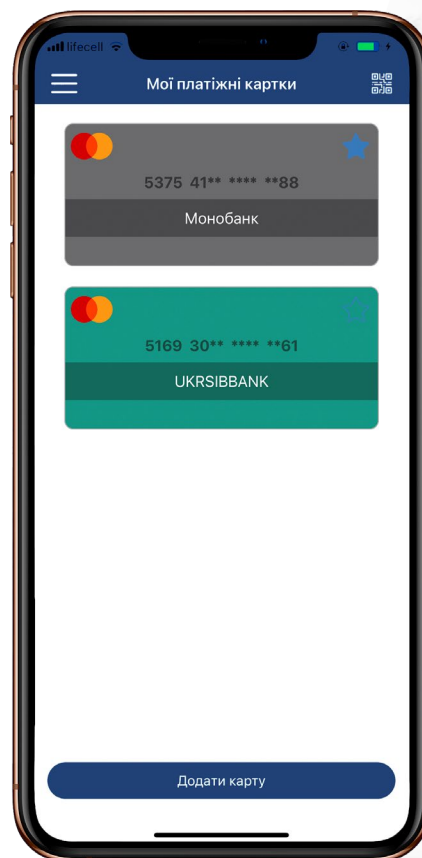
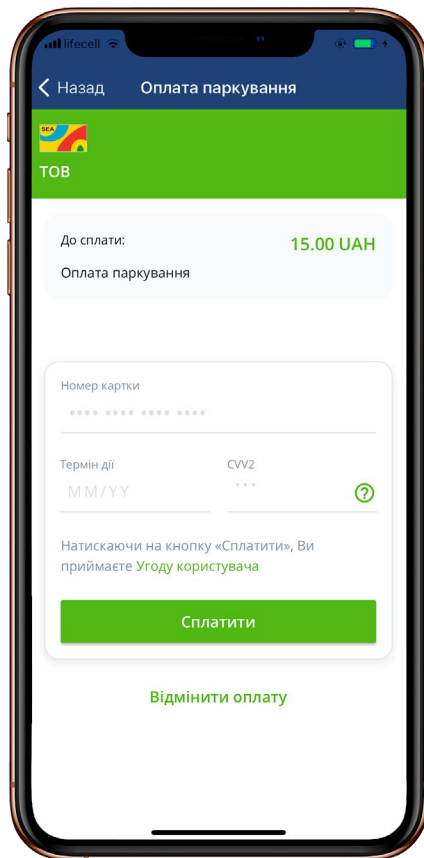
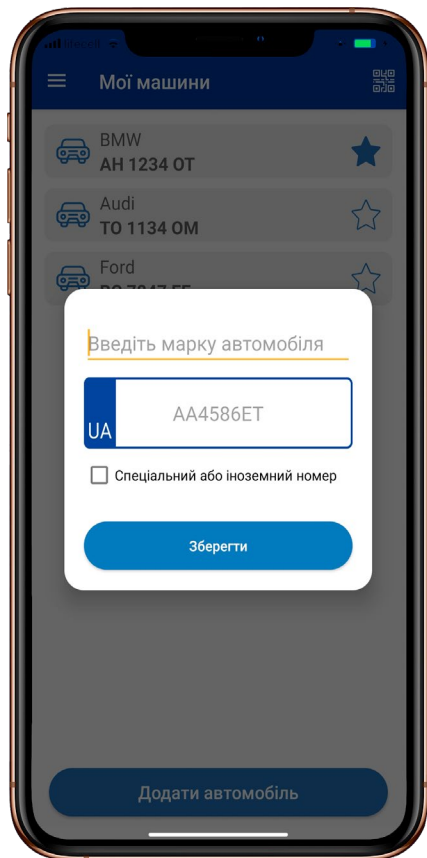


Parking space users can pay for parking services using parking meters or the mobile application SEA Parking.

The «Payment» screen allows you to set the parking time, choose a vehicle and make a payment.



Payment for parking in the mobile app SEA Parking



Main advantages of Automated Parking Payment Control System (APPCS)



High level of system adaptation and administration



Possibility of use throughout the territory of country



Keeping records and archives, generating statistics and reports



Info protection and data backup



Uninterrupted system operation



Support for non-cash payment methods for parking



Availability of mobile applications for customers and staff



Possibility of integration with other information systems



Great cost savings for creating a parking collection system

Thank you for your attention

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