



**Public-private collaboration or how we
implemented National BugBounty
program in Kazakhstan**

tsarka
group

About us

tsarka
group

Branches in 4 countries:

● Estonia, Kazakhstan, Poland, USA

Cybersecurity leaders
in Central Asia

We help our clients

● detect vulnerabilities in apps and systems

● reduces risks and prevent data leaks

● build IT processes

● enhance security level of web resources

● increase personnel awareness

● investigation of cyber incidents

● develop information security management system

GLOBAL CYBERSECURITY INDEX

RATING 2015

118 OUT OF 165
COUNTRIES

RATING 2021

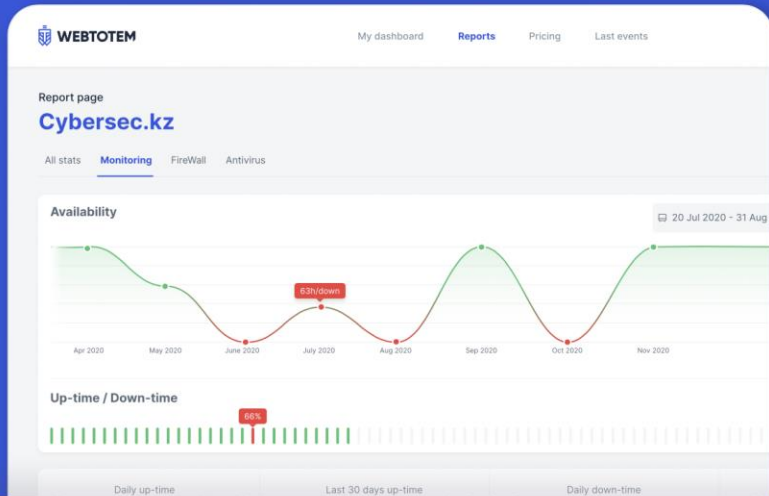
31 OUT OF 194
COUNTRIES

TSARKA is the initiator of the introduction of the Global CyberSecurity Index into the CyberShield Kazakhstan.

The goal is to enter the TOP 10 countries according to this indicator within 5 years.



Web resources protection and monitoring system



150 000 websites

solution for monitoring of
entire countries



1 day

response time reduction from
1 month to 1 day



10 websites

number of infected websites
reduced from 638 to 10



Top Picks

TechCrunch Disrupt Top Picks
2020

WebTotem

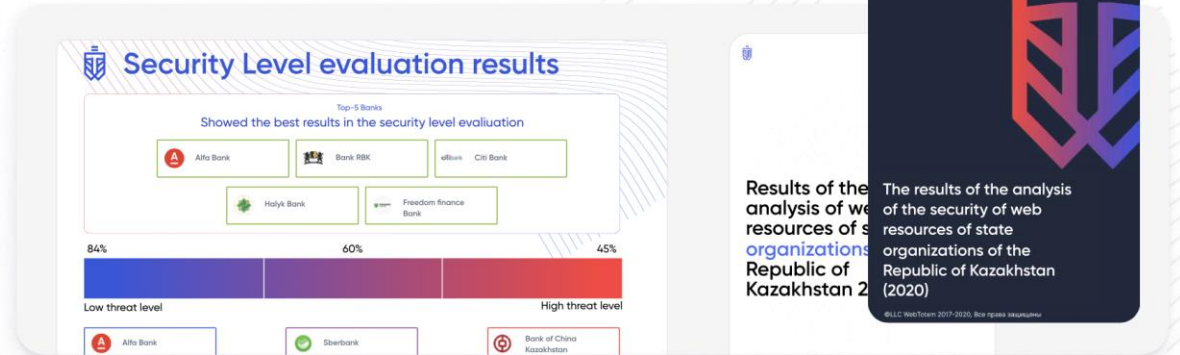
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Security scoring

Our scoring will scan the website and build a report for 5 minutes.

Shows security risks based on weaknesses and vulnerabilities found on the website.

Provides detailed recommendations for improving the security of the website.



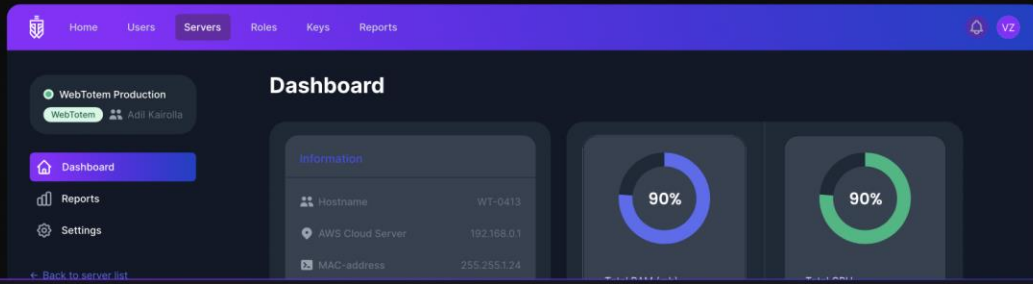
Polish insurance company PZU
uses scoring for small business
cyber insurance



Nowadays, over 32 thousand IT objects are being curated by 5 employees of Ministry and for them it would take 400 years to check each single object once

- Yekaterina Smyshlyaeva, Mazhilis deputy

Optimize security of your servers



Tool for
server
auditing

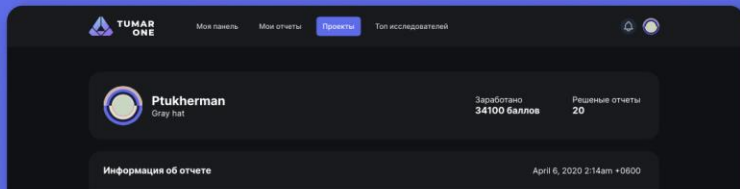
Resource and
status monitoring
of servers

Considers all server
specifications and
adapts accordingly

```
1 apache_service_name = 'apache2'
2 Spec.describe do
3   control('apache-01')
4     title('Apache should start maximum 1 root-
5 task')
6   description('The Apache service in its own
7 non-privileged account. If the web server
8 process runs with administrative privileges, an
9 attack who obtains control over the apache
10 process may control the entire system.')
11   total_tasks = bash("ps aux | grep "+
12 apache_service_name + " | grep -v grep | grep
13 root | wc -l | tr -d [:space:]").stdout
14   its do
15     should cmp(2, "=", total_tasks)
16   end
17 end
18 end
19 end
```



Bug bounty platform

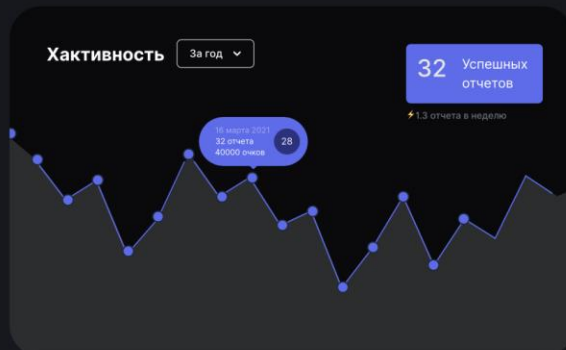


Cloud and
On-Premise
Bug Bounty
platform

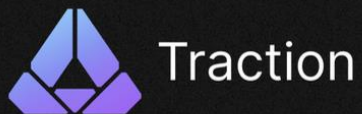
1800+
reports received

1500+

independent researchers
from all over the world



\$200 000 +
paid to researchers



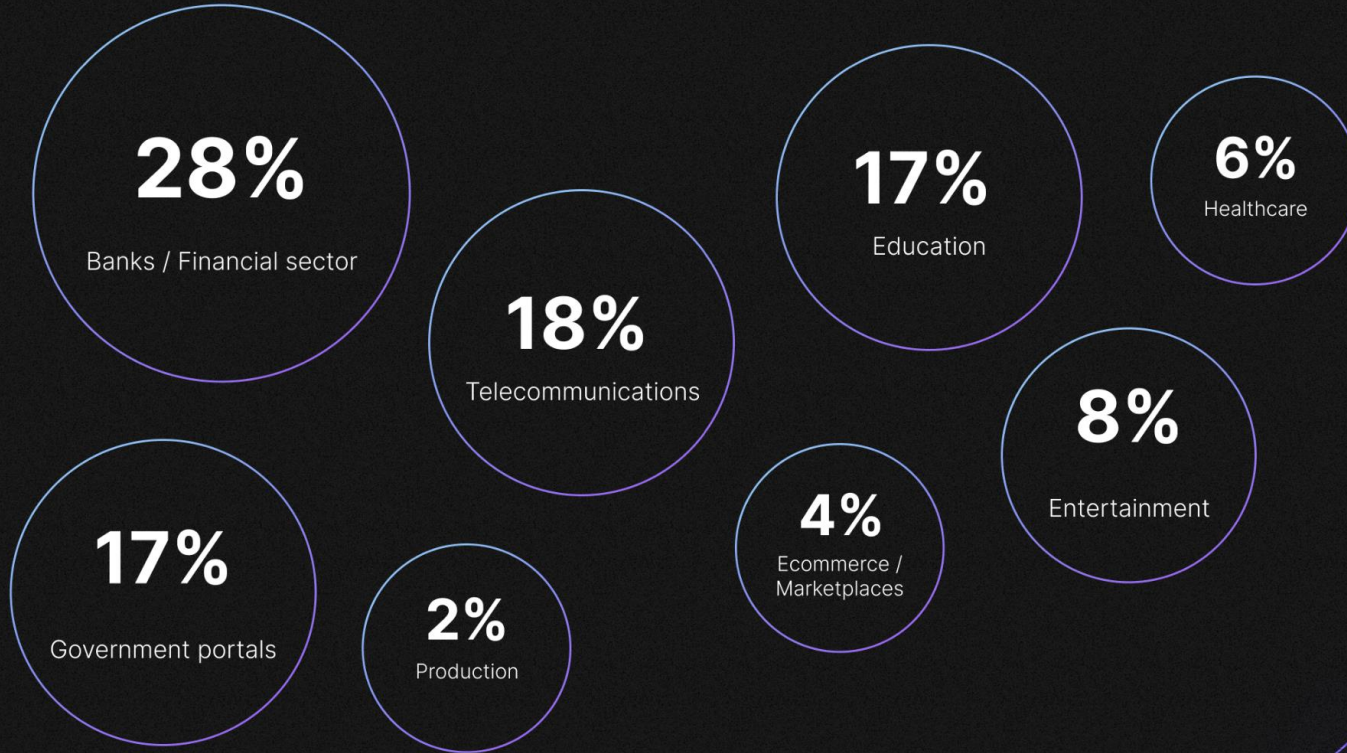
200,000\$ reward
paid for found
vulnerabilities

More than 500 000\$
allocated for rewards for
the next couple of years





Top industries with discovered vulnerabilities in TumarOne





Types of vulnerabilities found on TumarOne:

1	Remote Code Execution (RCE)	13%
2	Sensitive Data Exposure	11.3%
3	SQL Injection	9%
4	Insecure Direct Object References (IDOR)	7%
5	Path Traversal	6.7%
6	Account Takeover	3%
7	Stored XSS	3%
9	Reflected XSS	3%
10	Other types of vulnerabilities	44%



Cases: prevented for 3 years of platform existence

Data leakage in 6 higher education institutions

Access to the management of the water supply system in Astana

More than 100 "electronic government" vulnerabilities

Attack of the country's major telecommunications companies

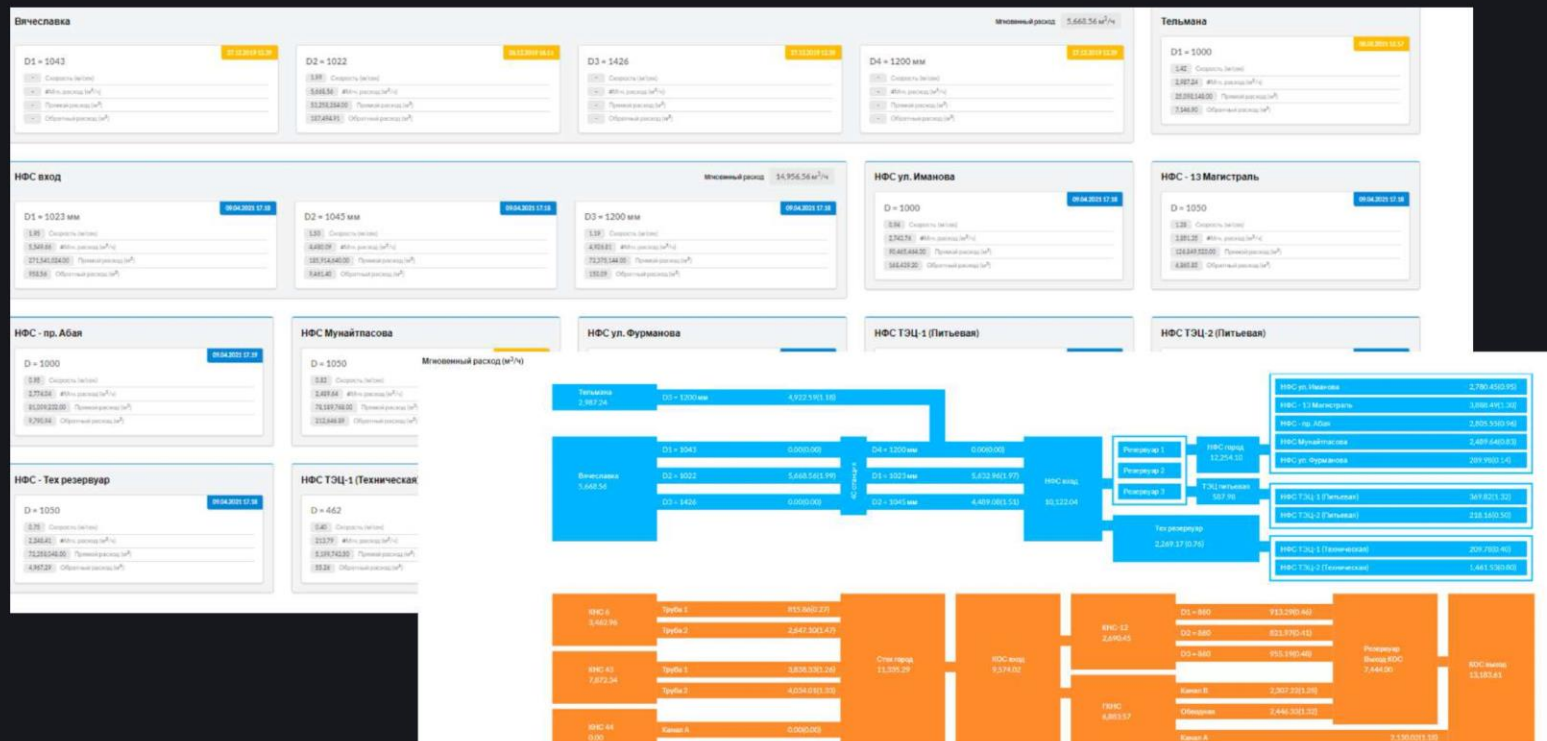
Attack on 100 thousand + .kz domain names

7 million+ medical data leaked

Access to the management of the system of marketplaces and shopping centers of the country

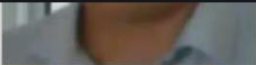





City Life Support Management System



Law enforcement organization system

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	2021-06-14/14:45:28			Обработано	Снимо
	2021-06-14/14:45:26			Обработано	Снимо
					

Medical Data

Қазақстан Республикасы Денсаулық сақтау министрлігі Ұлттық денсаулық сақтау орталығы ТОО «ИНВИВО» ШЕКТІЛІМДІ ҚҰРМАСЫ	Қазақстан Республикасы Денсаулық сақтау министрлігі а.а.2020 жылғы 30 қазаны № ҚР ДСМ-175/2020 Бұйрығына бағына Фрэнк к.о. Министрі ұйымдастырушы Қазақстан ет 30 сәуірі 2020 жыл № ҚР ДСМ-175/2020.
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INVIVO
zerthana – лаборатория

Зерттеу нәтижесі/Результат исследования

Тегі, А.Ә. : (Ф.И.О.): AM NY Биоматериал тапсырған күні: (Дата и время сдачи биоматериала): 10.00.00

Туған күні : (Дата рождения): 1.00.00 Тіркеу күні: (Дата регистрации): 10.00.00

ЖСН (ИНН): 1.00.00 Дайын болған күні:(Дата готовности): 13.00.00

Жынысы : (Пол): 1.00.00 Басылған күні: (Дата печати): 14.00.00

Дәрігер : (Врач):

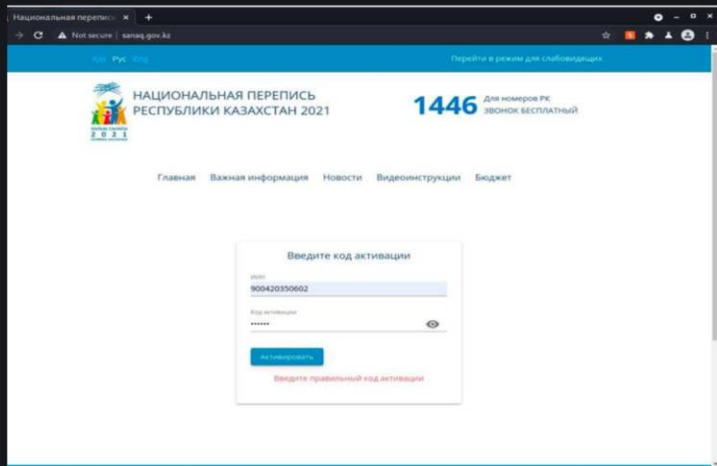
Тұрғылықты жері
(Адрес проживания):

Гемостазиологические исследования			
ВА Волчаночный антикоагулянт (АФС)			
Көрсеткіш (Показатель)	Нәтижесі (Результат)	Мөлшері (Норма)	Өлшем бірл. (Ед. измер.)
Время (LA1)			
Время (LA2)			
Волчаночный антикоагулянт			

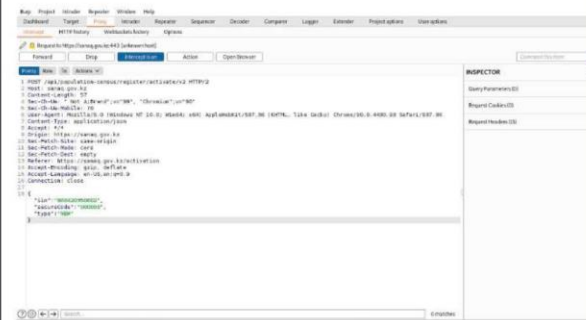
Жауапты адам (Ответственное лицо) Попова М.А.

Коагулограмма стандартная (АПТВ, протромбиновое время, протромбиновый индекс, тромбиновое время, МНО, фибриноген, РФМК)			
Көрсеткіш (Показатель)	Нәтижесі (Результат)	Мөлшері (Норма)	Өлшем бірл. (Ед. измер.)
_Активированное парциальное тромбопластиновое время (АПТВ) каолин-кефалиновое время			
_Протромбиновое время			
_Международное нормализованное отношение (МНО)			
Фибриноген			
_РФМК			
_ Тромбиновое время			
_Протромбиновый индекс			

Online population census



Далее можно перехватить отправленный на сервер запрос:



И далее отправляем его в Intruder, настраиваем параметры атаки и стартуем:



По окончании атаки методом перебора сортируем результат по длине ответа и видим нужный нам SMS-код. Также непонятно что означают два ответа с длиной 304 (в теле ответа на данные запросы ничего не указано).




127 of 609



ТОП 10 ИССЛЕДОВАТЕЛЕЙ



1   nullrun

2  alzey

3  mr.president

4  rnrforge


5  ASL@N

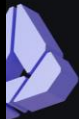
6  @nita

7  kh1lz

8  kuatmus

9  nurda

10  alqaga_m0x0101

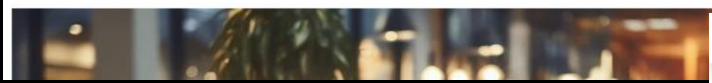


КазТАГ

Казахское телеграфное агентство

Сегодня: 02 октября, 23:06

«Белых хакеров» готовятся узаконить в Казахстане



НОВОСТЬ ДНЯ



Kaspi.kz признан главным «Трансформатором года»

Закон о "белых хакерах" разрабатывали в Казахстане

Опубликовано: 27 сентября 2023, 11:00

Услуги «белых хакеров» могут стать обязательными в Казахстане



Технологии

В Казахстане предлагают легализовать "белых хакеров"

Дана Карина

27.09.23, 11:08 | 974

Эта мера будет способствовать выявлению ошибок и пробелов информационных систем.

Информационные системы Казахстана будут атаковать "белые хакеры"

27 сентября 2023, 11:24 | 5491 | 4



Current clients



Kaspi.kz



NATIONAL BANK OF
KAZAKHSTAN



Development Bank
Kazakhstan



Internet
Company PS.kz

Kolesa Group



QIWI



**PAY
BOX**
money



e.gov



m1bank



On-premise platform for Enterprises

Ability to deploy the entire platform separately at your place

Single authorization
for researchers
around the world
through tumar.one

The platform is located
on the Customer's
servers.

A platform was launched in Kyrgyzstan
based on this solution





Вторник в 17:22

Новое 🔔 🗂️ #1

Social

НОВОРЕГИ! РАБОТАТЬ
ЧЕРЕЗ ГАРАНТА!

✉️ Начать переписку

Регистрация: 7/5/22

Продам доступ к Серверу бэкапа базы данных Постгрес Казахстанской почты. (уроверь админ)

База данных представляет 44 таблицы общим размером 110 гб

- Данные об почтовых отправлениях

-Авто страхование

-Запросы на кредиты (одобрение отказ цель кредита)

-Депозиты

-Денежные переводы

-Открытие счетов и карт

-Информация о сотрудниках (должность, фио адрес, номер тел)

Основные персональные данные - полный адрес, номер тел, фио, дата рождения, паспортные данные, почта , полис автострахования, частичные номера карт и многое другое Прикрепляю пример дампа одной из таблиц



MarcusAurelius

Новичок

✉️ Начать переписку

Регистрация: 7/7/21

Сообщения: 30

Репутация : 0

Реакции: 7

Сделок через гаранта: 1



23/3/22

Здравствуйте! Купим базы данных физлиц Казахстан. Евразийский банк. Бцк банк. Фортэ банк. Хомкредитбанк

Когда план хорош — торопиться смысла нет.



OBNA1666

НОВОРЕГИ! РАБОТАТЬ
ЧЕРЕЗ ГАРАНТА!

✉️ Начать переписку

Регистрация: 31/3/22

Сообщения: 2

Репутация : 0

Реакции: 0

31/3/22

Нужна база по Казахстану с пенсионными отчислениями за последние полгода и желательно чтобы получали зарплату.

Плачу за 1 строку 1\$

Берем на тест, и после теста если база свежая и по ней можно работать то покупаем. нужно очень много и постоянно!
связь 📞 URAGAN

КУПЛЮ Нужны базы Узбекистан

👤 Ислам Махачев · 🕒 12/1/22 · 🗨️

база базы базы снг данные ишу куплю лиды подбор спрос строки



Ислам Махачев
НОВОРЕГИ! РАБОТАТЬ
ЧЕРЕЗ ГАРАНТА!

12/1/22

Интересуют базы Узбекистан

Визы

Банки

БАДы

Писать в тг @Ar1236987

Big Sister


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1B+
entries

Contains data
from various
open sources

A platform for searching
information in public databases

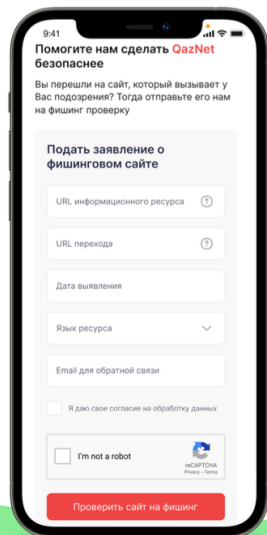
OSINT tool for
searching
information



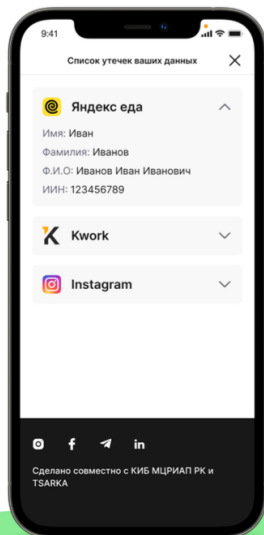
The screenshot shows the Big Sister web interface. At the top, there's a navigation bar with 'BIG SISTER' on the left and three steps: 'Enter the Code', 'Search', and 'Get information'. Below this, there's a 'back to step 1' link. The main section is titled 'Search by' and has two input fields: 'Phone number' and 'E-mail'. Below these is a section for 'Enter the phone number' with a text input field and a 'Confirm' button. On the right side, there's a notification: 'You have 3 checks. For today you have 3 more checks. Every day you have 3 checks.'

New service in Egov-Mobile “Cyberprotection of a citizen”

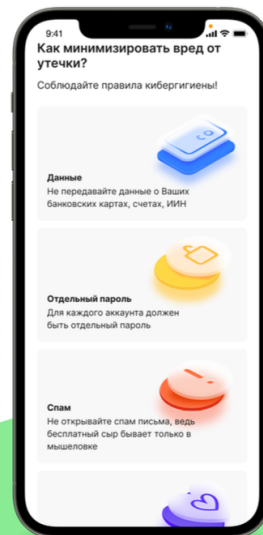
In order to increase the level of cyber hygiene of citizens, as well as the **prevention** of cyber crimes, we propose to integrate a new service "Cyberprotection of a citizen" into the eGov mobile application.



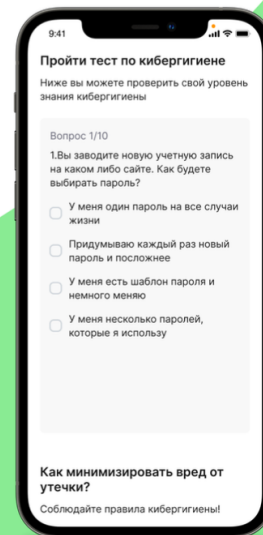
Check the page for phishing



Personal data leakage notifications



Training of citizens



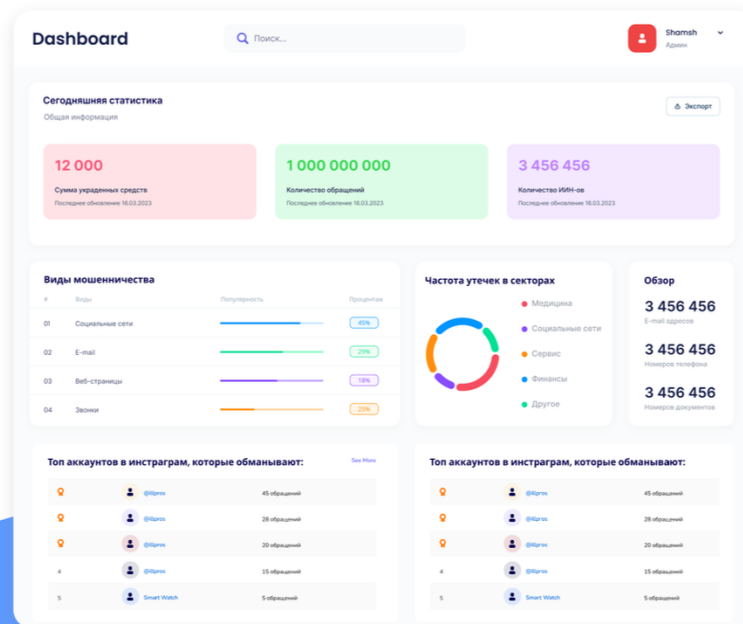
Testing

Digital evidence

Increasing the level of disclosure and detection of cybercrimes is one of the tasks of the new service.

Employees of the Ministry of Internal Affairs have full access to the Database of citizens' appeals for further data analysis and investigation of incidents.

- ✓ Integration with KazNIC, STB and Telecom operators to obtain information about the owner
- ✓ The adoption of operational measures in case of confirmation of suspicions
- ✓ Notification of a citizen via EGOV about the detection of a fraudster



CyberKumbez

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Platform for training experts and conducting cyber drills

Education

Effective training schemes

Speed

Automatic orchestration of all stages of infrastructure deployment

Adapt

Possibility of adjusting of IT infrastructure to suite your needs

Scalability

Connecting Third Party Security Tools

Results

Independent assessment of teams' activities



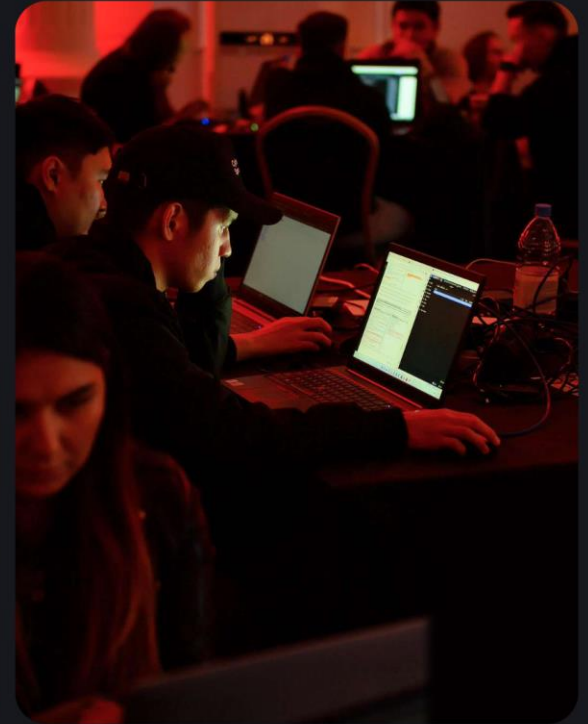
CyberKumbez

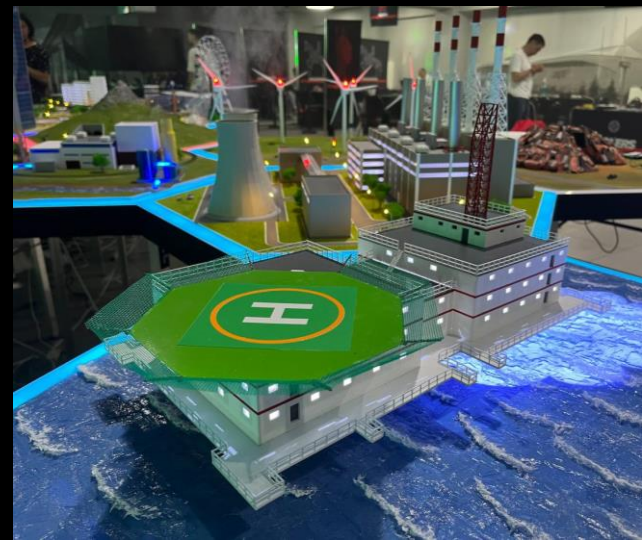
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Competitions are held annually
where hackers break into smart
city systems

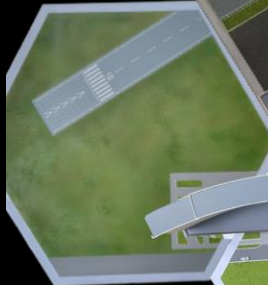


Both young specialists
and professionals
participate in the
competition

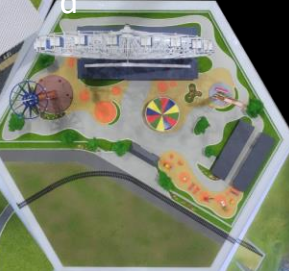




Hack Airlines



Cyberland



Wind Farm



TrashBox



La Case De Papel



Red Hat Station



EverBlack



TSARKA Towers



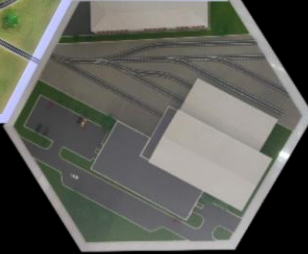
Turan Su Arnasy



LLEHS



KHS Temir Zholy





Digital Forensics Center

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Cyber incident investigation and OSINT

Investigation of all IT structures

Assessment of scale, restoration of chronology, analysis, recommendations, support of criminal and administrative cases connected to IT structures

Conduct OSINT training together with international experts for law enforcement representatives from different countries

Experts - forensics and OSINT

Experts have required international certification and certificates of local agencies to produce investigation reports

They conduct OSINT trainings together with international experts for representatives of law enforcement agencies of various countries

Investigation reports

Every investigation is done individually with provision of investigation reports at the end

Reports of our experts can be used as a source of evidence in the court of law

CyberPol is a pilot project launched by the Ministry of Internal Affairs to combat frequent cases in the field of digital technologies, interact with government agencies and discuss literacy among the population

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Азия • 100.00%

✓ Центральная Азия • 83.90%

Киргизы • 43.58%

Казахи • 21.87%

Туркмены • 10.24%

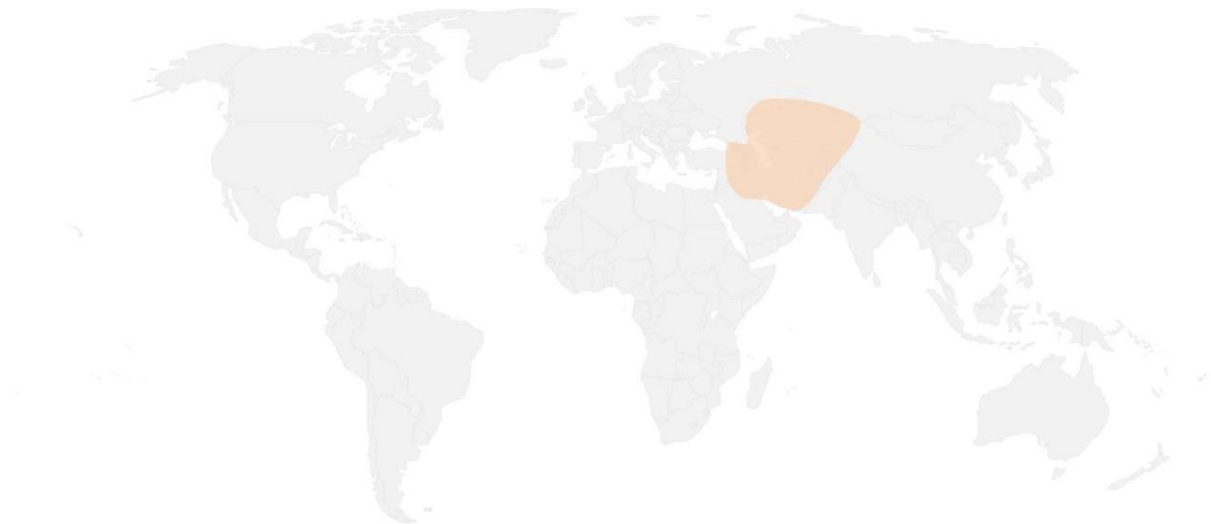
Узбеки • 8.21%

✓ Восточная Азия • 16.10%

Уйгуры • 8.08%

Монголы • 5.84%

Орочоны • 2.17%



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Let's work
together

Contacts

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cybersec.kz