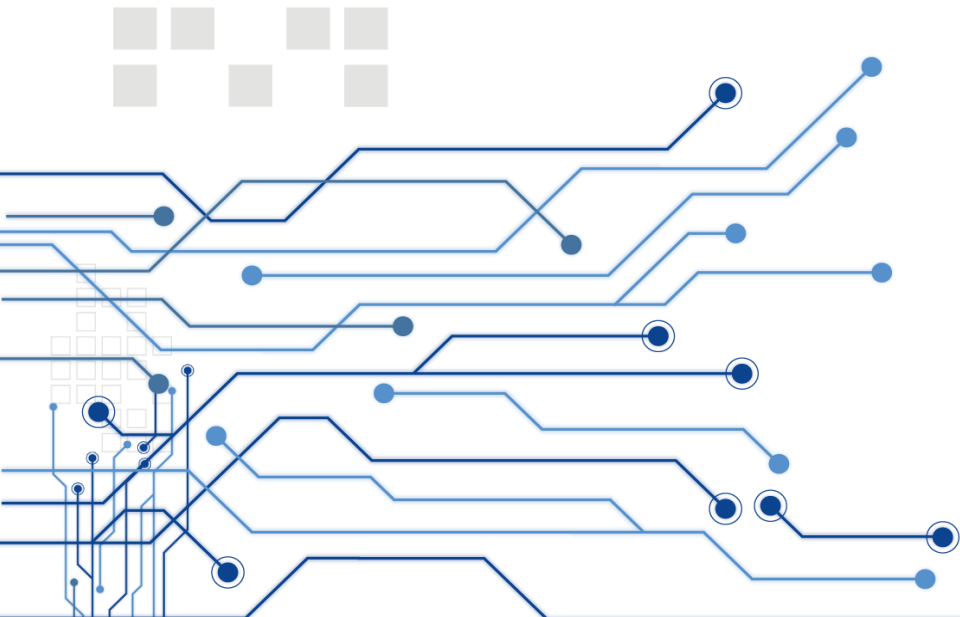
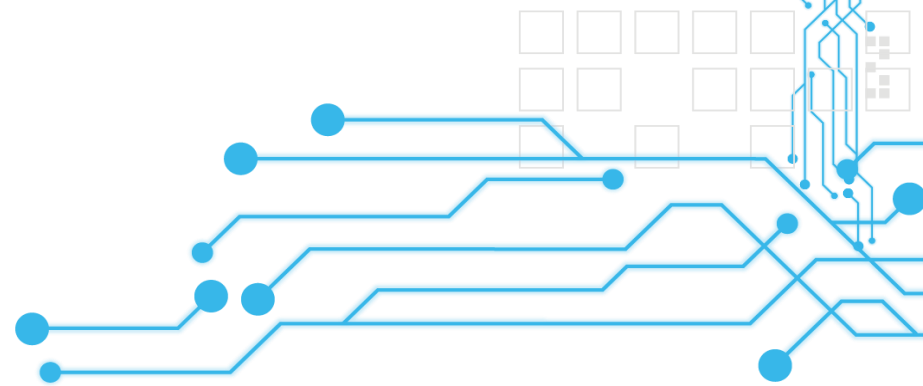


# ALGABAS

Your integrator  
of complex IT solutions



Дія

**Engine**

# ALGABAS

About the company. Our benefits	3
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The right tool for every task	5
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# ALGABAS

## About the company. Our benefits

2008

**ALGABAS** was founded in 2008. Initially, the company was engaged in technical security systems and programming services

2009

In 2009, **ALGABAS** was the first company in Ukraine to launch **Adobe Connect** for webinar.ua successfully. Later, following the market needs, the company's focus switched to the development and sale of software

2017

In 2017, based on BAS (1C), **ALGABAS** started developing **MES systems** and developed solutions for product traceability at all production stages

2022-23

**ALGABAS** has been trained to develop on the **Diia.Engine** platform. **Two state projects** of high complexity have been successfully implemented

### Qualification

Our team consists of project managers, consultants, and programmers with **experience in implementing large projects**

### Integrated approach

A single integrator for all system blocks **makes it possible to reduce the cost and shorten the time of system implementation**

### Technologies

Project technologies based on the best international standards. High-quality documentation allows us to **consider all business tasks** and develop a fully functional system



# ALGABAS

The platform "Diia.Engine"



# ALGABAS

## The right tool for every task

### Presentation



Power Point



Google Presentation



Keynotes

### CMS



Wordpress

WIX

Wix



Joomla

### ERP



SAP

ORACLE

Oracle



MS Dynamics

### CRM



Sales Force



Wrike



Zoho

### State Registries and Online Services

?

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## What are the solutions?

Setup new  
product  
development



- Expensive
- Long term

Not a specialized  
solution



- Not effective
- Inconveniently

A specialized  
solution



- Does such a solution exist?



**Ukraine has developed a solution!**

Low-code platform  
for developing and hosting  
government registries  
and digital public services

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## What is the Platform and For whom?

**People-less processes**  
business process automation

**Digital public services**  
development, and integration to citizen's interfaces

**Interfaces**  
standardization for citizens interfaces and public officers

**Builders**  
low code approach, BPMS, building blocks

We provide a scope of functionality to empower quick and easy digital public service development



Ministries



Government digital agencies



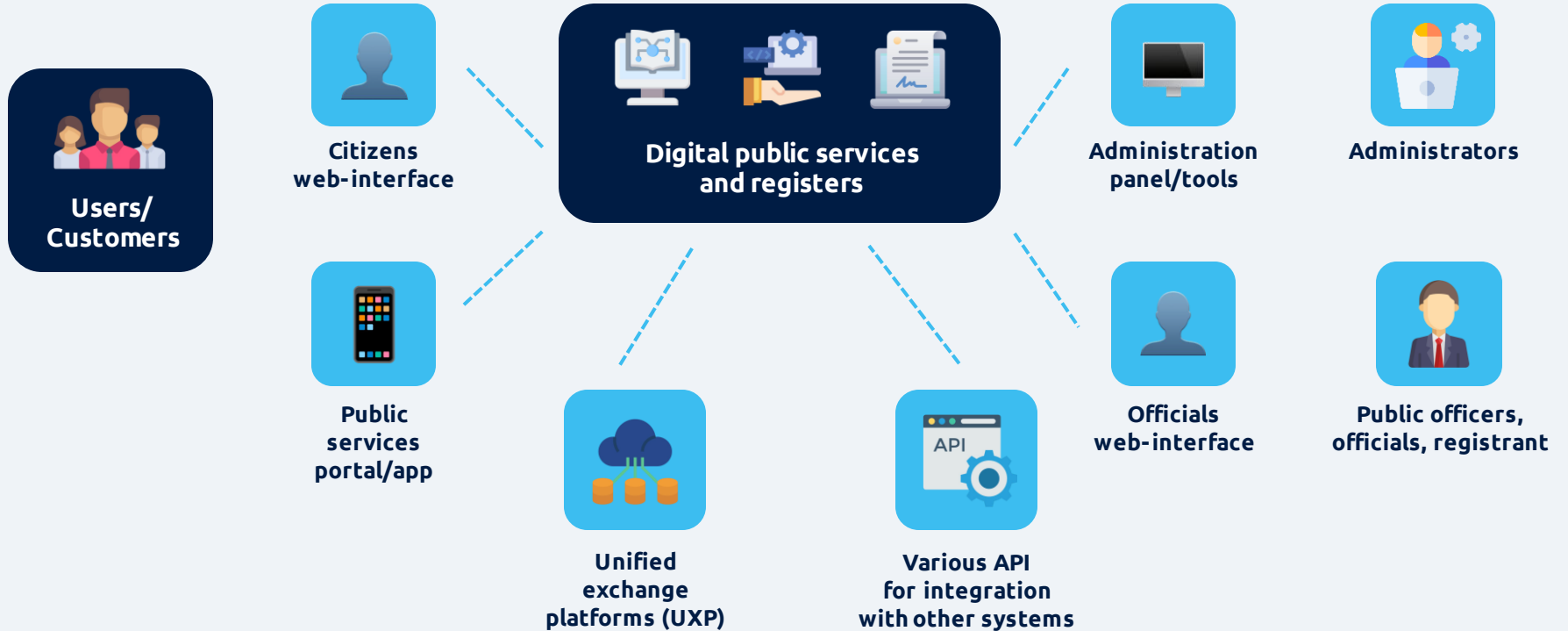
State authorities  
(tax, custom, police, etc.)



Regions, provinces or other municipal authorities

# ALGABAS

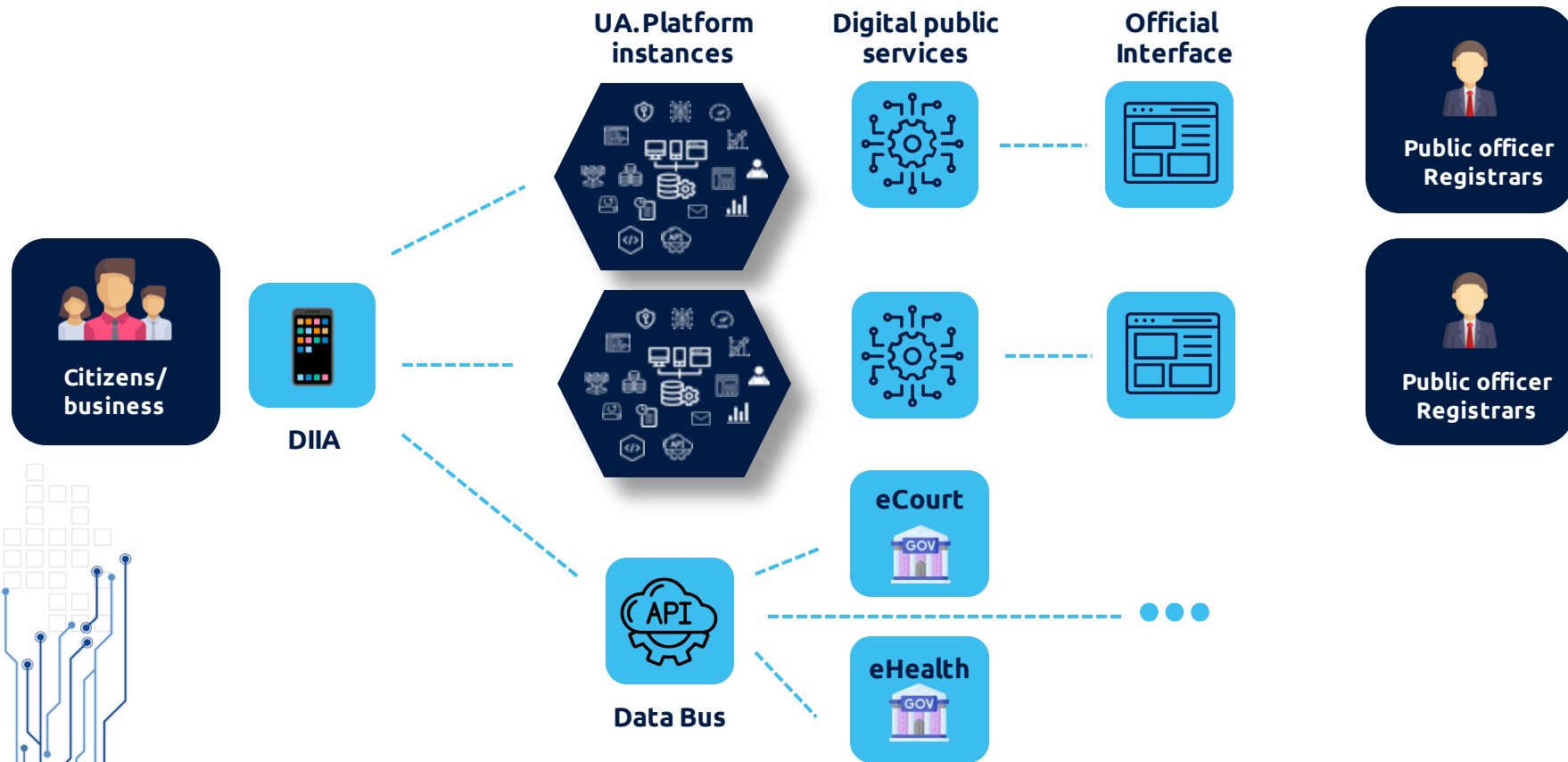
## General Scheme






# ALGABAS

## DIIA and Platform




# ALGABAS


## Platform benefits




**1** Provide remote automatic digital services (in complex with citizen interface)




**2** To be a part of digital and online governmental Services ecosystem




**3** Easy to connect and integrate existing IT systems to provide new services




**4** No need to rewrite current state services




**5** No human factors



**6** Automatic processing of requests from citizens and issuance of results 24/7



**7** Easy scaling for processes and resources



**8** Guaranteed protection for all services based on security by design principles

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## Why the UA.Platform?

### Changes and digitizes public services



#### Fast

Register development  
~1-2 months



#### Simple

Low-Code approach  
(Designers of data models/APIs/forms/  
business processes)



#### Cheap

Low-Code approach  
and business processes,  
the cost of development  
and support is reduced



#### Secure

Data is encrypted,  
Data is digitally signed,  
Scalability,  
Load resistance

# ALGABAS

## Stakeholders

### Clients



State structures

### Users



Public officers and state employees



Citizens



Business

### Technical teams



Development team



Registries administration team



Platform administration team

# ALGABAS

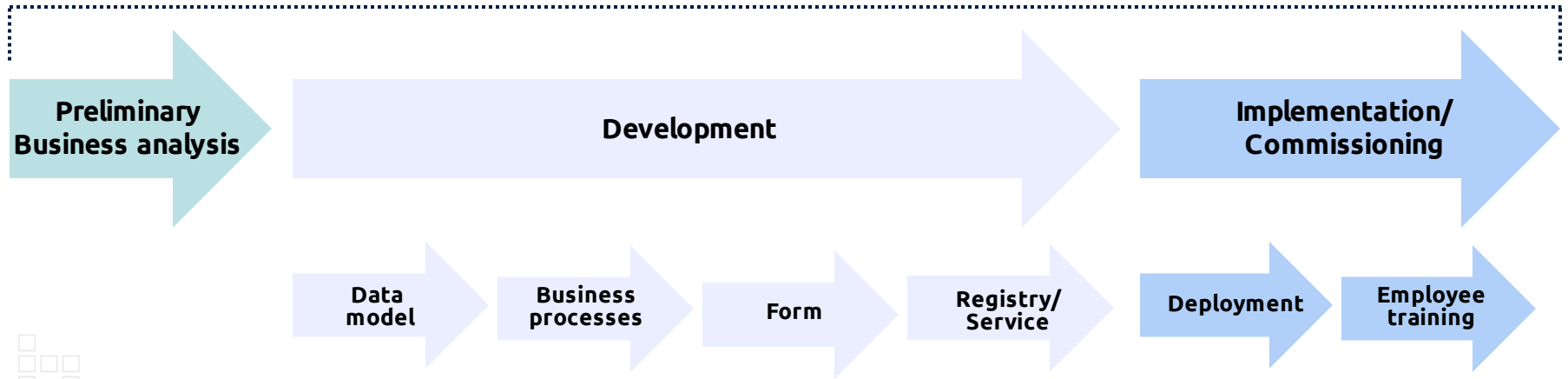
## Traditional approach vs Platform

DEVELOPMENT TO ORDER		D i i a . E n g i n e
6+ months	Time for development	from 2 months
Need to gather a team with team lead, developers with different seniority depending on scope of technologies	Developers level	<b>Simplified requirements for the development team. The platform is accessible to a wide range of technical experts and simplifies the process of training and developing on it</b>
Need to write additional code and systems	Functionality upgrade (changes due to legislation)	<b>Easy to update previous services due to the low-code approach</b>
May include vendor lock-in and license fee	Operational costs	<b>Platform is based on Open Source component (No need license fee. No vendor lock-in)</b>
Build from scratch the entire cybersecurity environment and settings	Security and resilience	<b>Cybersecurity and IT infrastructure scaling from «Box»</b>

# ALGABAS

## Registers Development

It takes 1-2 months to develop the registry or services on platform



Creating a system on the Platform is  
**FAST | SIMPLE | CHEAP**

# ALGABAS

## Summary



### It's easy to get started

Low entry threshold for new teams



### Low requirements for developers

Expensive developers and architects are not needed



### Rapid Low-Code development

Builders of business processes, forms, API allow to reduce the development process in fraction of the time



### No additional license payments

The UA.Platform is based on Open Source components, so there are no additional license payments



### Complex cost reducing

It is possible to put many registries on one instance of the Platform



### Easy to make changes

Changes in regulatory documents can be transferred to the work register swiftly



### Easy to administer and support

All the technologies used are standard and common, there are plenty of such experts

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All the necessary components out of the "Box"



Business process management



Factory data



API Trembita, REST



Reporting



Applicant interface



Official's interface



GIS module



id.gov.ua



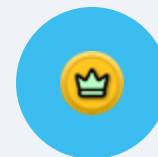
CAP



Logging



Backup



Role model



Secrets management



Scaling



Monitoring



Encryption

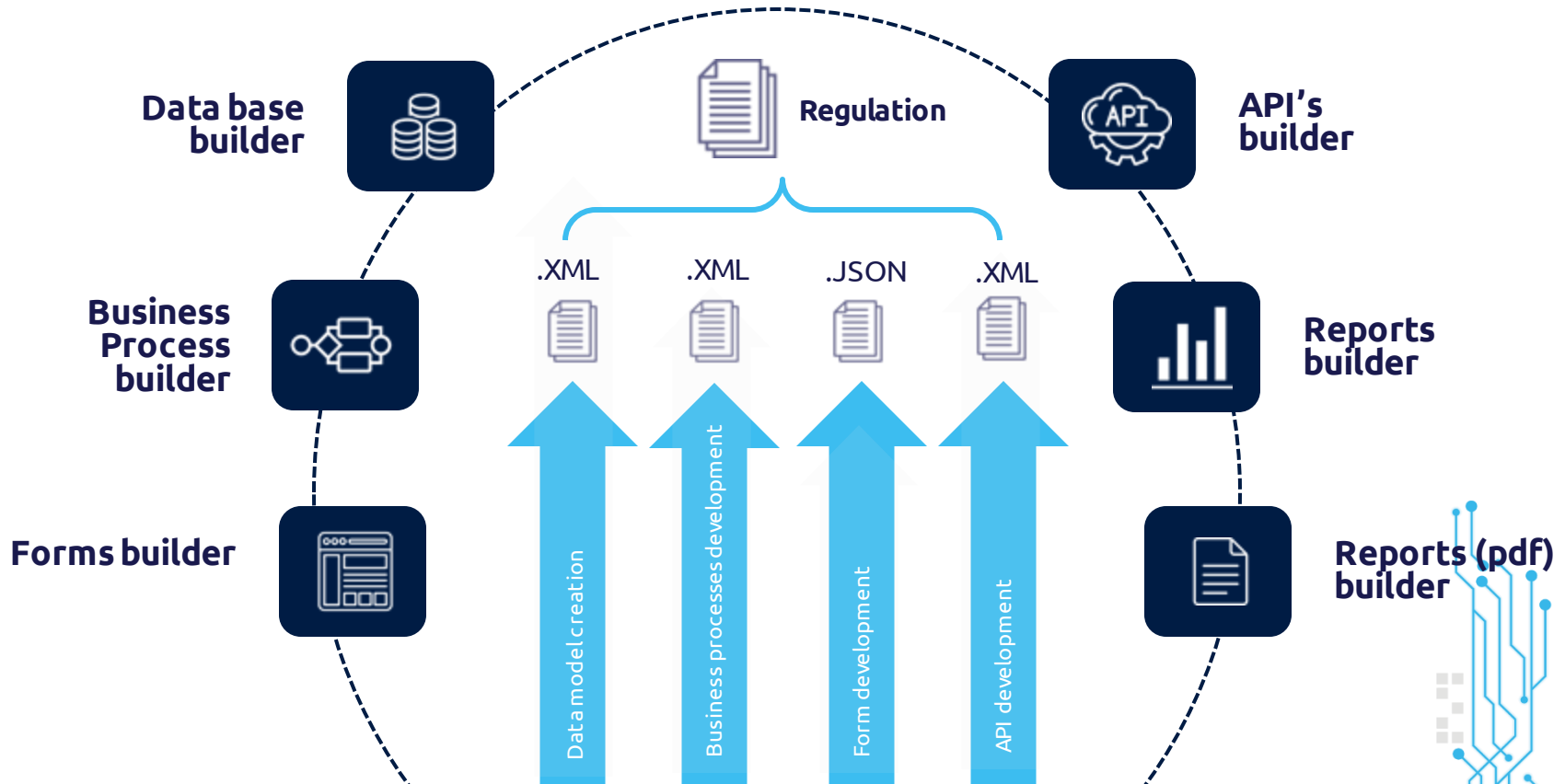


Message queues



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## Registry settings structure



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## Platform features



Engine for  
deploying registries,  
systems and services



Standardized  
government  
SaaS



Tools and  
development  
environment



Cloud  
hosting



Hosting different  
registries on one  
Platform



Hosting  
on your own  
hardware

# ALGABAS

All components required by the customer out of the "Box"



**Modern  
technology stack**



**Low-Code  
approach**



**Builders**



**User  
accounts**



**Data  
encryption**



**Data isolation  
from the  
administrator**



**Open  
Source  
components**



**Cloud or  
hardware**



### PLATFORM SECURITY PRINCIPLES



#### Officials do not have direct access to citizens' information

Officials do not have direct access to the data tables. They can operate data only using permitted business processes



#### Easy scalability and resistance to loads

Horizontal scaling allows response to changes in load



#### Digital signature and Changes logs

All entered or modified in the system data is signed with a digital signature, and such changes are registered



### SECURITY METHODS AND COMPONENTS

01

#### DATA ENCRYPTION

Encryption during data transfer. The storage is encrypted. A secure data exchange bus

02

#### CNCF COMPONENTS

The platform components meet all the requirements set for modern cloud services

03

#### EXTERNAL STORAGE OF LOGS AND BACKUPS

Logs and backups can be stored in a separate secure storage

04

#### SYSTEM DEVELOPMENT MEET SECURITY REQUIREMENTS

A secured SDLC is used at the architecture level, in the development process, and at the testing stages

05

#### TESTED FOR THREATS

The platform has been tested by several independent teams

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## Low-Code approach



### Data Bases builder

- Fast creation of data structures
- Ease and flexibility of changes making



### Business Processes builder

- Standard BPMN form
- Easy to make changes



### Forms Constructor

- Swift and intuitive forms creation
- No programming required



### API's builder

- Automatic API development
- Register - Register, Platform - Platform, The registry to another system



### Reports builder

- Fast creation and report adaptation
- No programming required



### Extracts (pdf) Constructor

- Swift and intuitive forms creation
- Easy to make changes

Constructors' use makes the development process  
**FAST | SIMPLE | CHEAP**



**Fast**



**Simple**



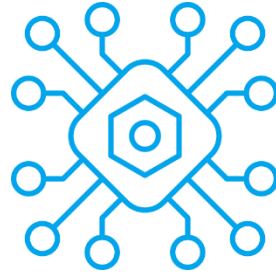
**Secure**



**Cheap**

# ALGABAS Technologies

The best  
and most popular  
technologies  
are used



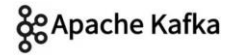
Containerization



Backup & Restore



Event streaming



Database evolution



Metrics



Logging



Documentation



Reports



Business processes



Storages



User management



Secrets management



GIS



API



Forms UI



Gateway



Frameworks UI



CI/CD



Scripts



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## Integration and implementation support

**10**  
IT-companies



International organizations



Local state  
digital service  
provider



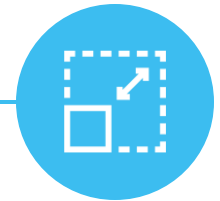
Business  
analysis



Business processes  
modernization



Platform  
deployment

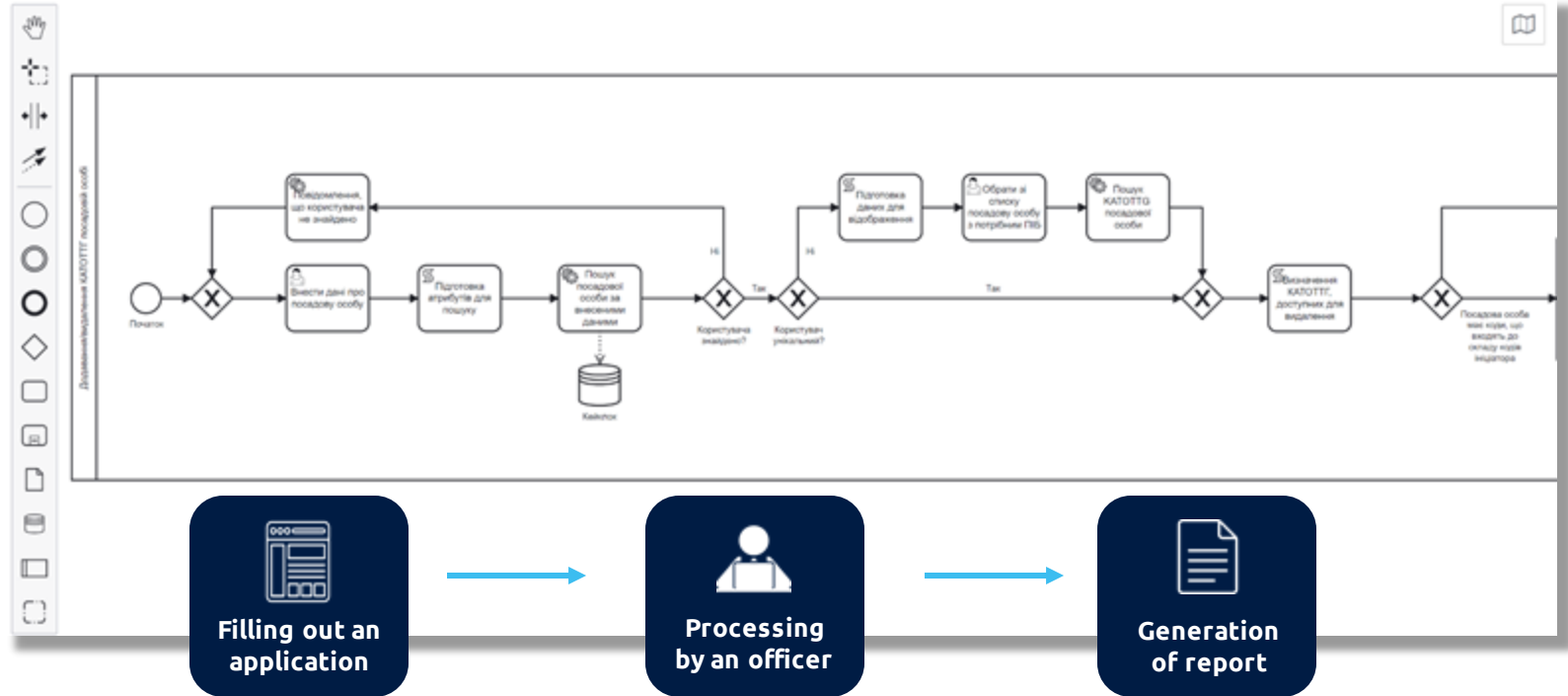


Adaptation  
and scaling



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## Business Process Management System

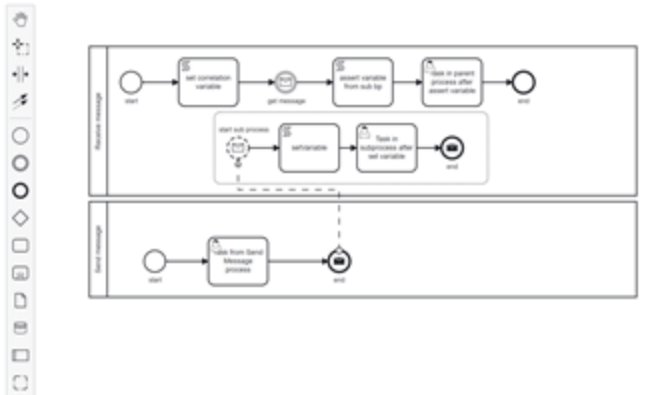
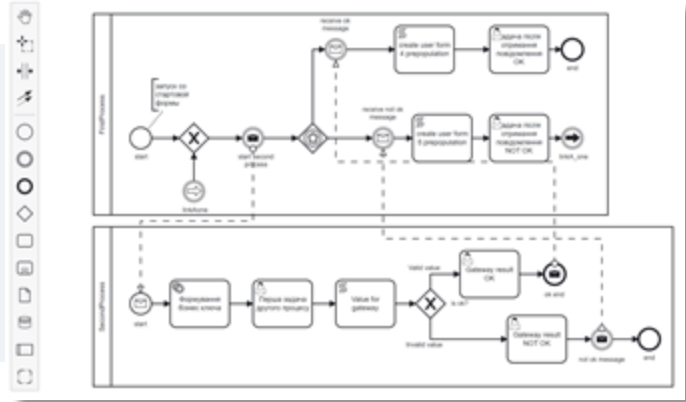


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## Data access and changes control



All changes  
are signed



All data is isolated  
from  
administrator

# ALGABAS

## Cost planning for service and support

### MINIMUM

Useful for services  
from state structures  
to business

2 entities,  
3+3 business processes,  
20 custom forms,  
4 roles,  
2 API integrations

≈ \$ 20 000  
costs for development

**LOW LOAD**  
service / register

Up to 100 users,  
up to 10 services,  
up to 10 reports,  
only during working hours

≈ \$ 1 000 to support

### STANDARD

Useful for services  
for public services  
to business/citizens

4 entities,  
3+6 business processes,  
20+10 custom forms,  
4 roles,  
2+2 API integrations

≈ \$ 54 000  
costs for development

**MIDDLE LOAD**  
service / register

Over 100 users,  
over 10 services,  
over 10 reports,  
24/7

≈ \$ 2 280 to support

### BIG

Useful for services  
for public services  
from state to citizens

10 entities,  
> 20 business processes,  
> 50 user forms,  
> 10 roles,  
> 10 API integrations

**INDIVIDUAL**  
costs for development

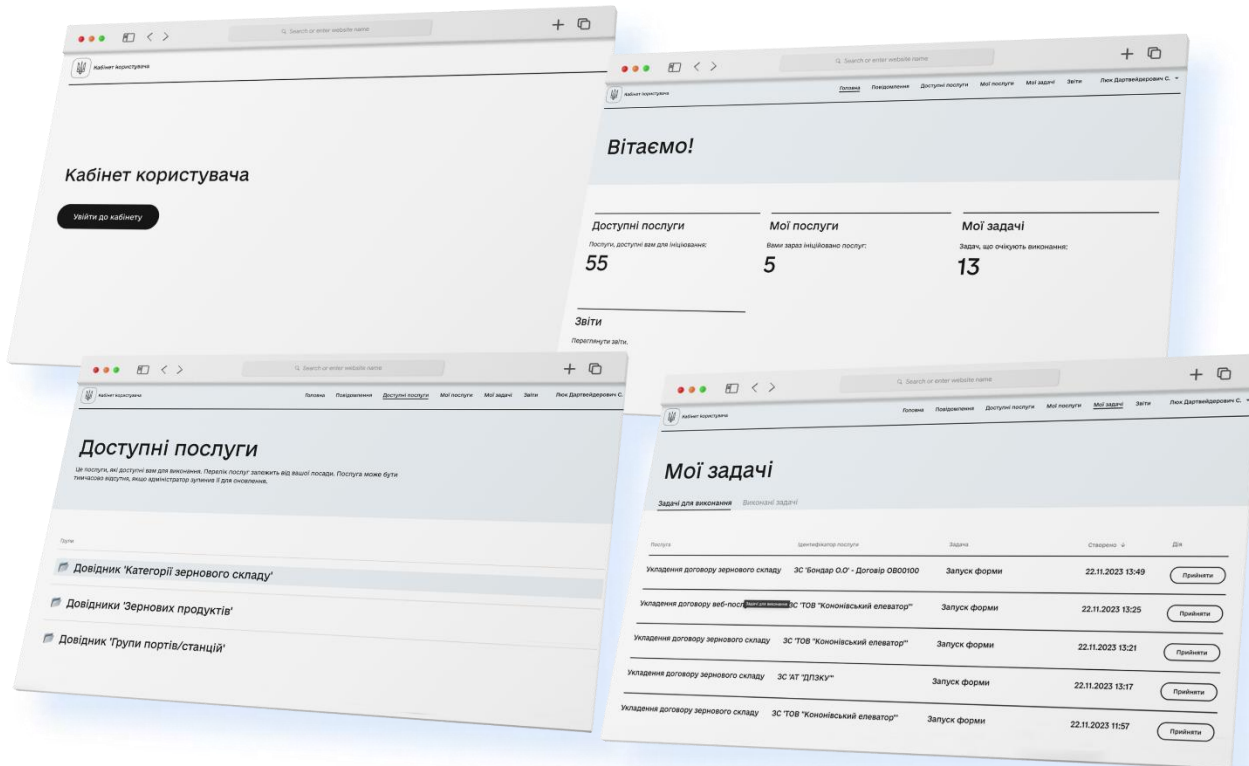
**HIGH LOAD**  
service / register

Over 1000 users,  
over 100 services,  
over 100 reports,  
24/7

**INDIVIDUAL**

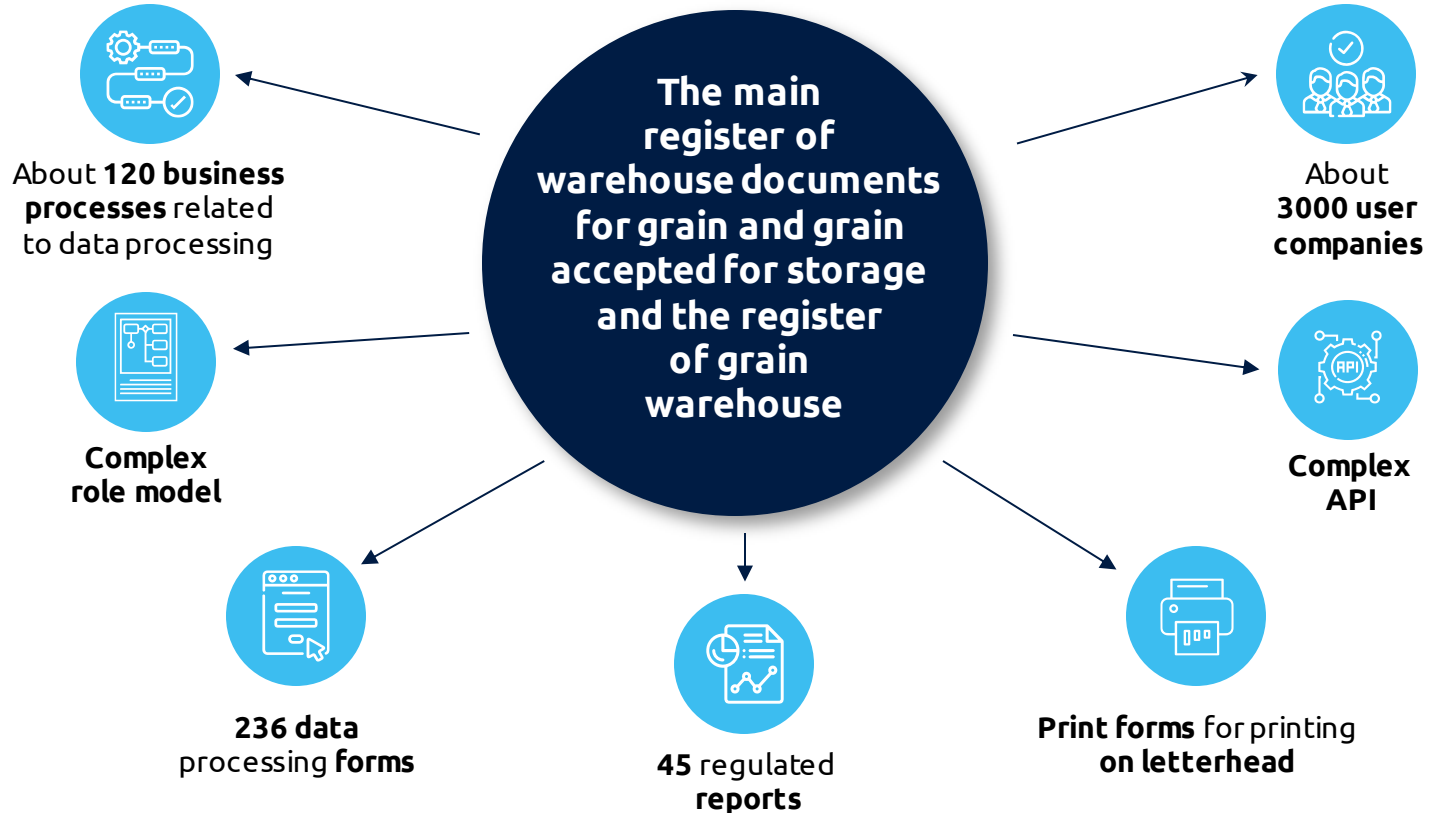
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## Standardized user interfaces



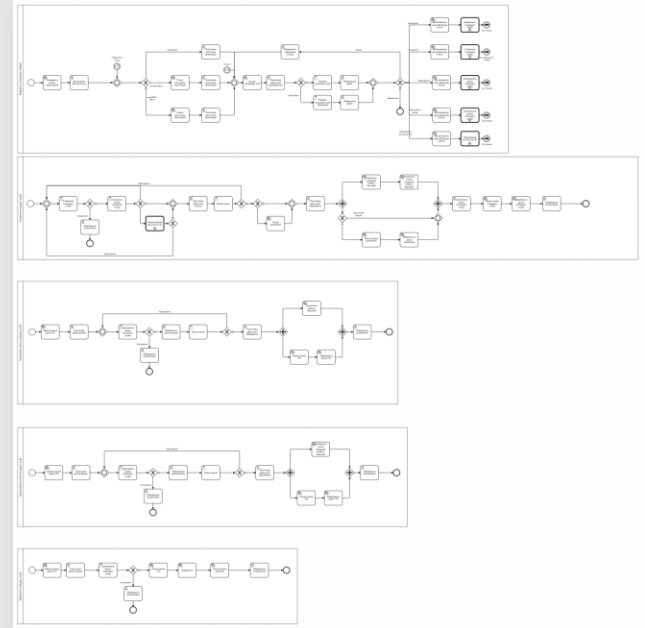
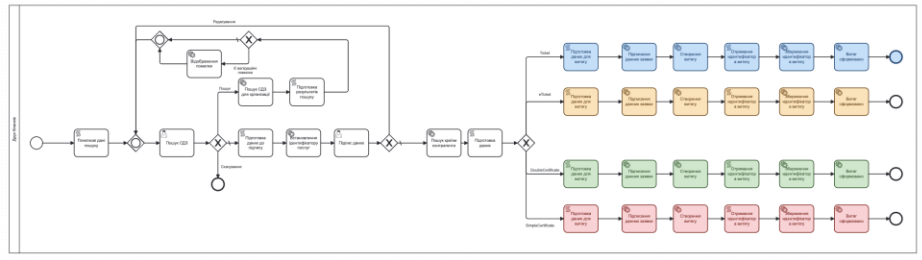
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## Information about our solutions



# ALGABAS

## Information about our solutions



Кабинет администратора регламентов

Удаление договора зернового склада

Имя: \_\_\_\_\_

Имя организации (на русском языке): \_\_\_\_\_

Полное имя контактной osoby: \_\_\_\_\_

Сокращенное имя контактной osoby: \_\_\_\_\_

Корпоративный адрес: \_\_\_\_\_

Почтовый адрес: \_\_\_\_\_

Имя владельца: \_\_\_\_\_ Вид владельца: \_\_\_\_\_

ГРН организации (на русском языке): \_\_\_\_\_

ГРН организации: \_\_\_\_\_

Полное наименование: \_\_\_\_\_

Идентификатор договора зернового склада: \_\_\_\_\_

Адрес электронной почты: \_\_\_\_\_

Документ, на который ссылается ваш клиент: \_\_\_\_\_

Статус: \_\_\_\_\_

Имя расчету (IBAN): \_\_\_\_\_ Имя банка для кредитного расчета: \_\_\_\_\_

Имя расчету (IBAN): \_\_\_\_\_ Имя банка для кредитного расчета: \_\_\_\_\_

Статус: \_\_\_\_\_

на заданных условиях

Дублирование нового зернового склада

Выбор текущего зернового склада

Имя контактного владельца: \_\_\_\_\_

Имя ИС (содержится на СБД): \_\_\_\_\_

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## Information about our solutions



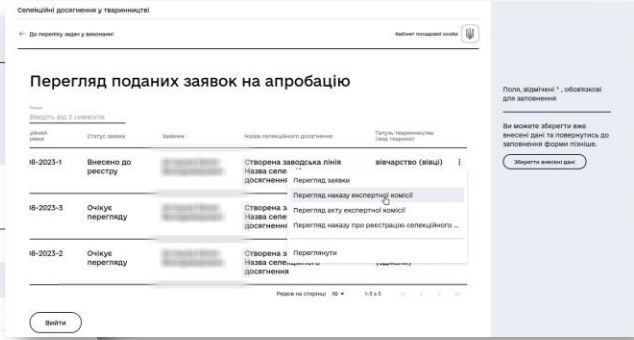
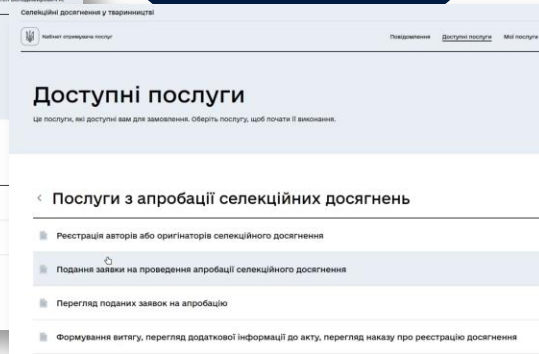
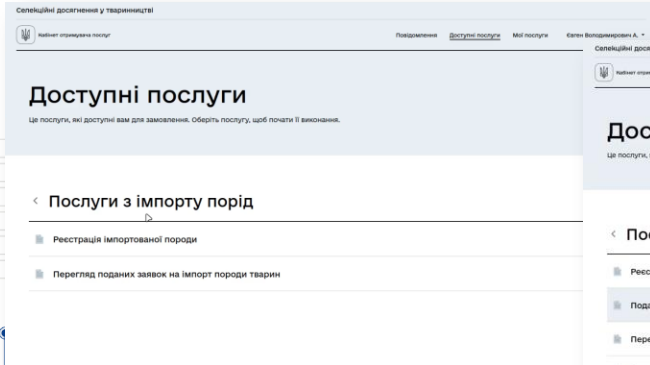
Complete  
paper-less



Register  
of breeding  
achievements  
and list  
of animal  
breeds



Providing a single list  
of breeds for other systems  
using the API



# ALGABAS

Contact us



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Director



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**Engine**