

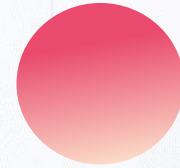


**We lead innovative processes with the power of
end-to-end digital transformation**

|mIRSIS At A Glance

- **Founded by Mrs. Ayla Gül Düzgider and Mrs. Ece Kutlucan in 2008.**
- **Mirsis is the flagship of a group of companies providing information technologies.**
- **Company Headquarter and R&D center is located in Istanbul, Ataşehir. The Bogazici University Technopark branch is located in Istanbul, Umraniye.**

Mirsis Information Technologies is the flagship of the group of companies that provides custom software development, technology transformation, Project management and hardware maintenance.



|**ODAK**

As its name Odak Kariyer is the human resources company of the Group which is providing especially IT human source for the Financial institutions, manufacturing and service companies.

|**miERA**

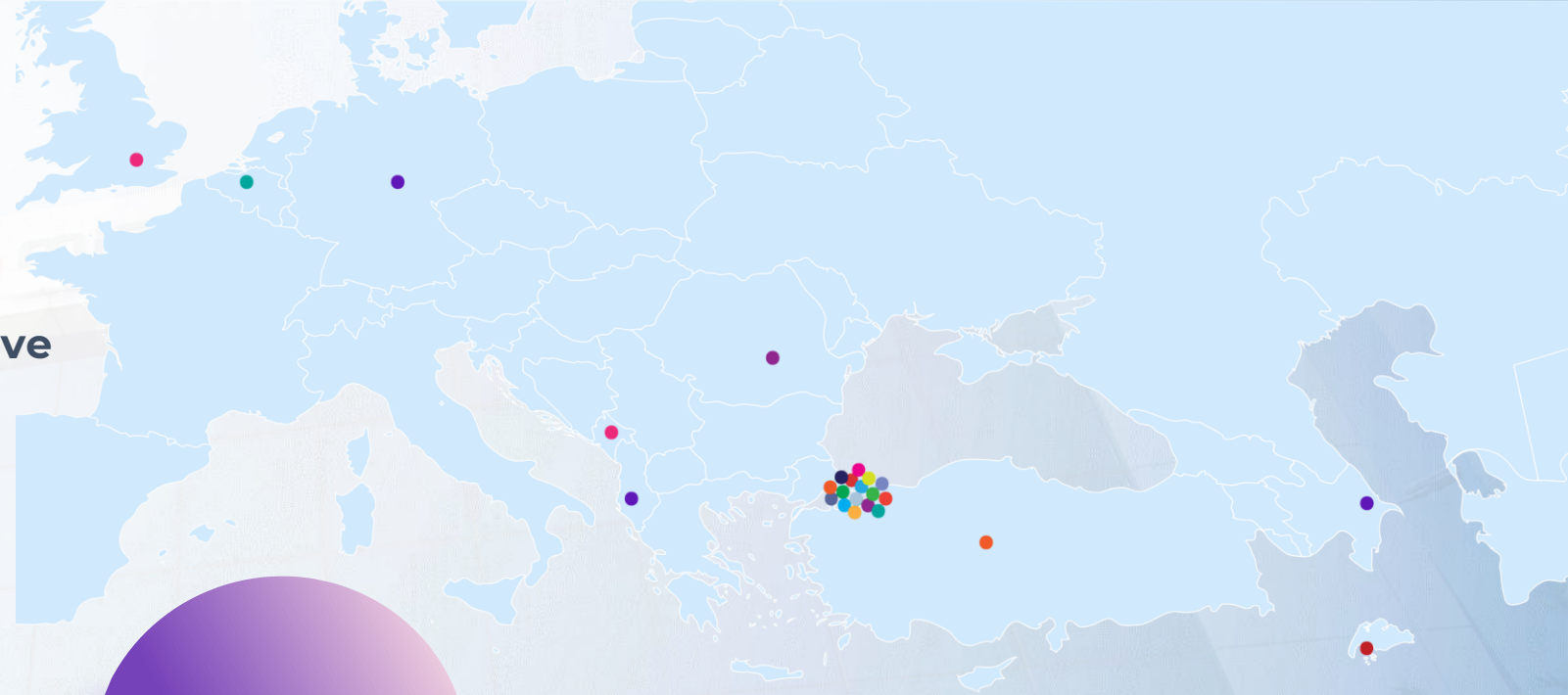
Miera is system consulting and Support services provider of the group which is mainly targeting SME's and trading company which sales third party software's.

Our Timeline



About Us

Where We Are Active



Headcount

**350+
Employee**

**26,000+
Candidates**

Developers	200+
Analysts	70+
Test Specialist	10+
Architects	10+
Project Managers	10+
System Analysts	10+

Female

41.7%

Male

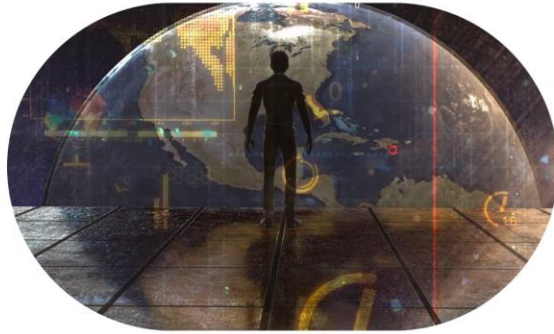
58.3%

Company Services



CUSTOM SOFTWARE DEVELOPMENT

We design, build, deploy and maintain software for a specific set of users, functions or organizations. Our efforts include app customization, app modernization, and app management.



TECHNOLOGY TRANSFORMATION

We are overhauling the organization's network architecture, software, and technology systems that encompass how data is stored and accessed, impacting all people, processes, and technology.



PROJECT MANAGEMENT

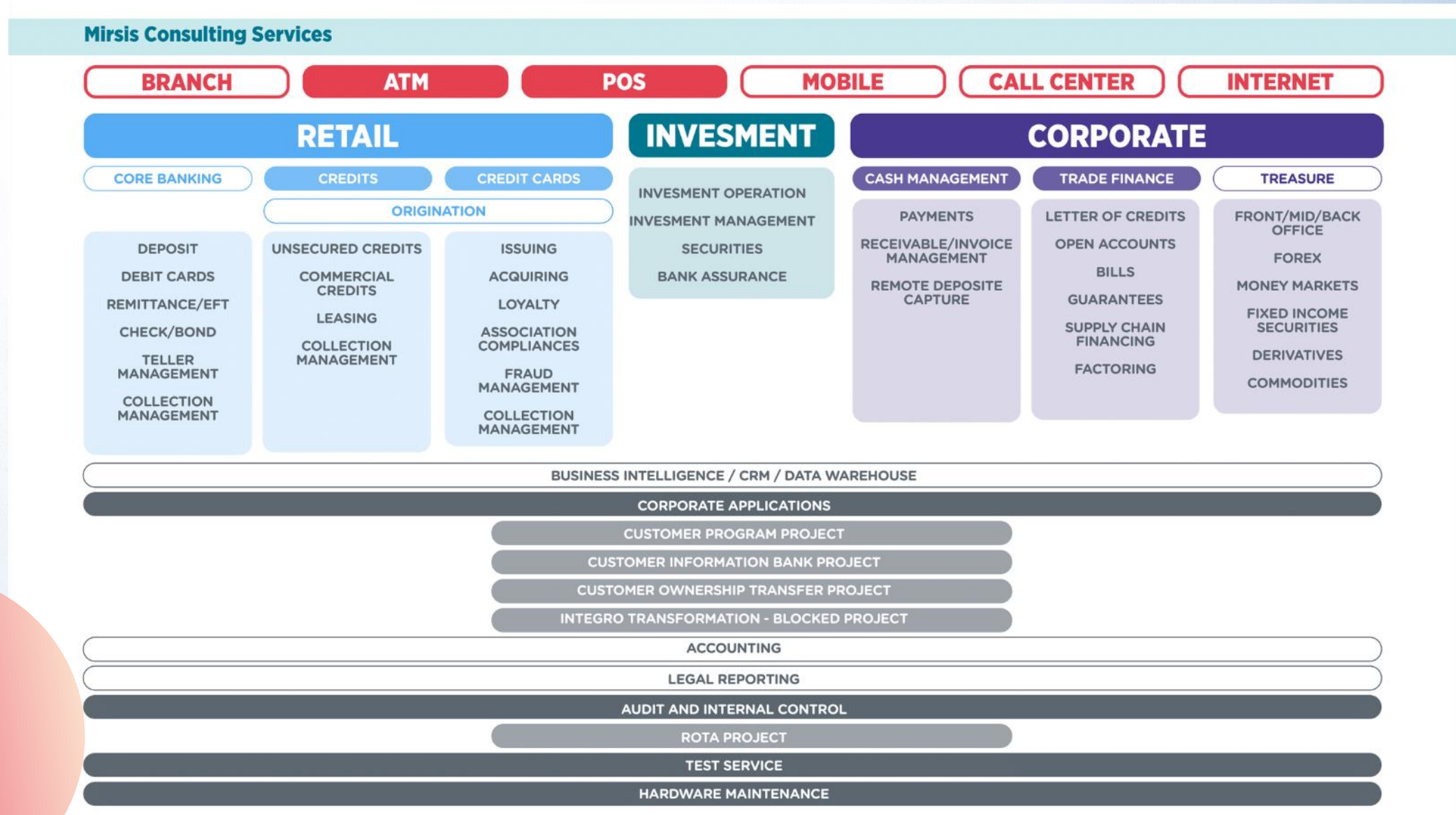
We are managing the software development process for companies that offering a range of financial products or services.



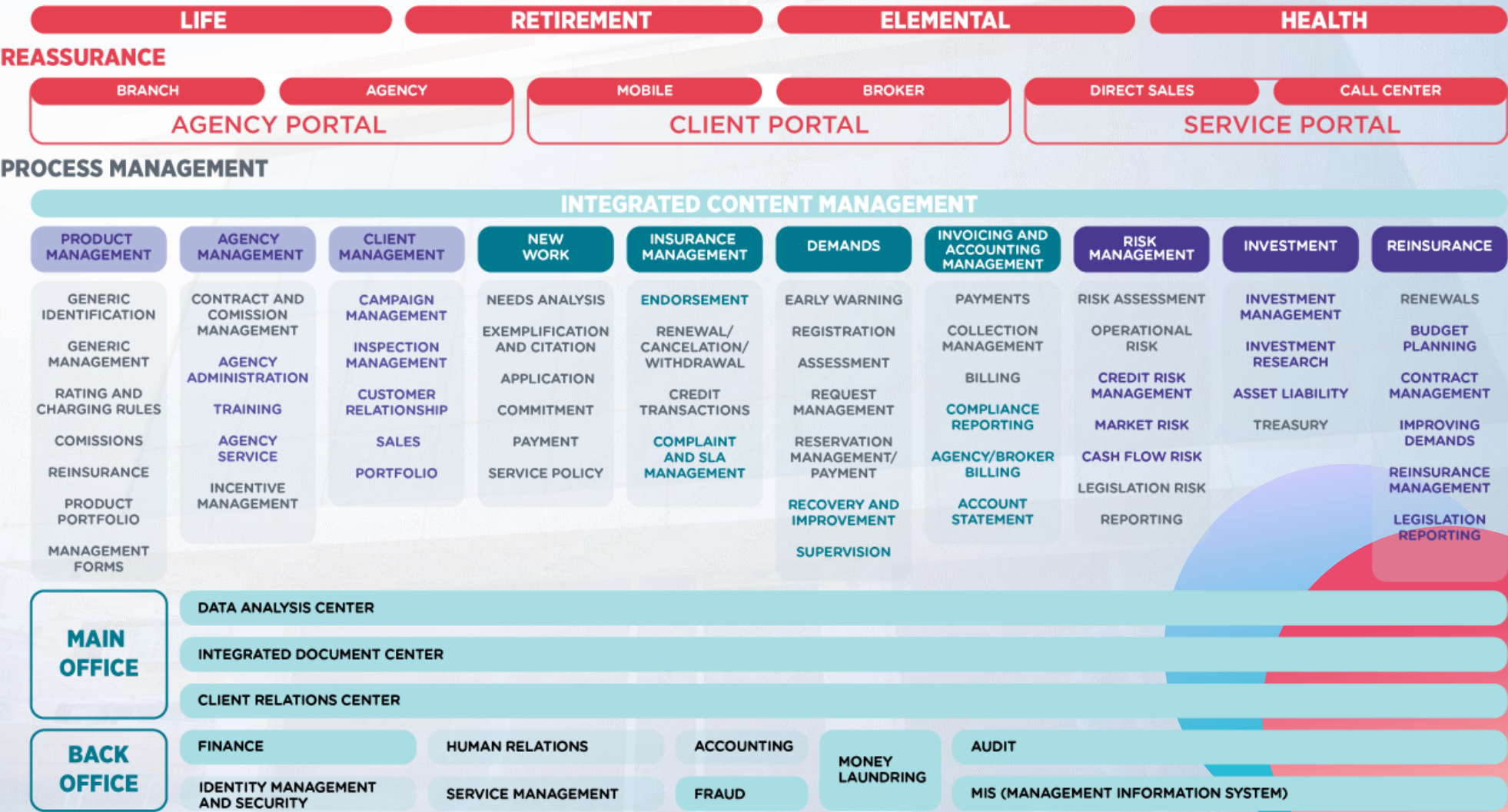
PROCESS CONSULTING

We assess the current processes and design the future states of them to optimize the outputs by digitalization.

Banking Domain Experience



Insurance Domain Experience



Client References


AKBANK

aktifbank


ZORLU

TÜRKİYE  **BANKASI**

 **KUVEYT****TÜRK**

 **Garanti BBVA**

 **YapıKredi**

 **ZiraatTeknoloji**

 **TÜRKİYE CUMHURİYET**
MERKEZ BANKASI

Türkiye 
Finans


mastercard

ING 




TÜRK
EXIMBANK

B K M
BANKALARARASI
KART MERKEZİ

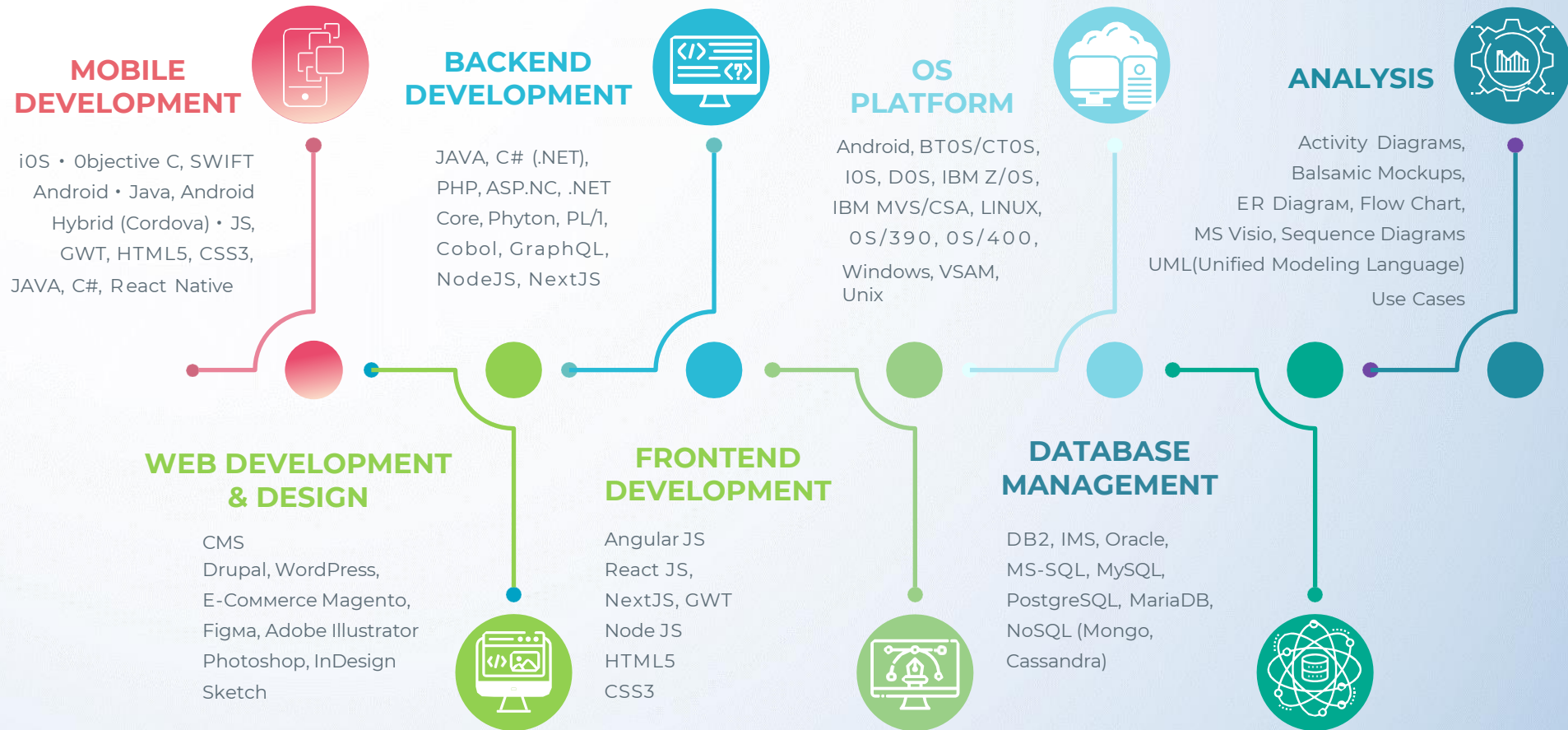

AGE SA

Allianz 

ANADOLU
SİGORTA

ERGO
SİGORTA

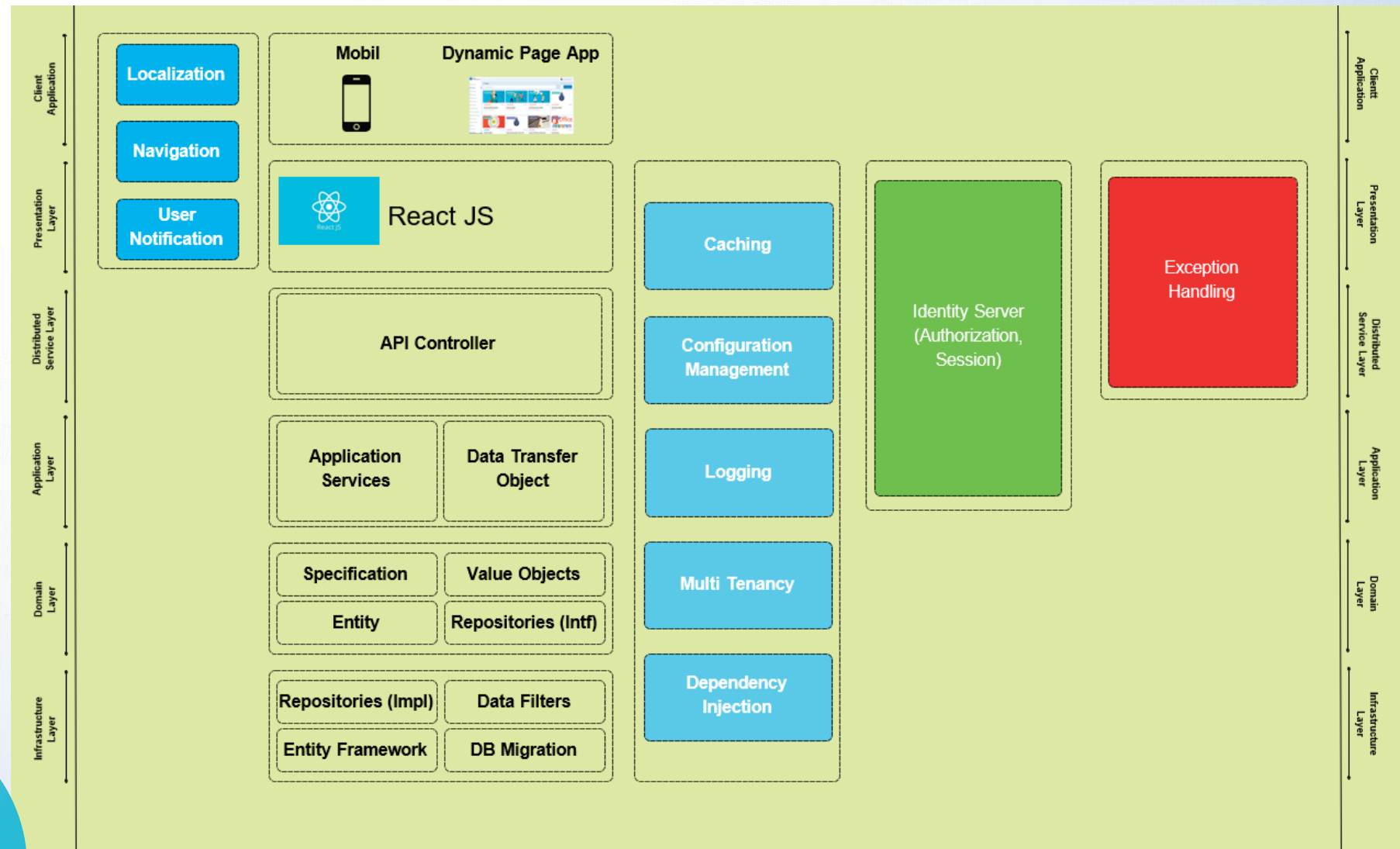
Languages & Platforms



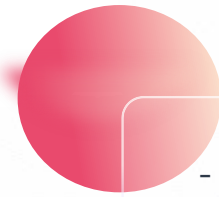
MIRSIS COMPETENCIES BASED ON LANGUAGES AND PLATFORMS (%)



Architectural Practices



Secure Software Development & AppSec



- Code Review
- Vulnerability Testing
- Data Protection

SYNOPSYS®

- Out-of-Bounds Write
- Improper Neutralization of Input During Web Page Generation ("Cross-Site Scripting")
- Out-of-Bounds Read
- Improper Input Validation
- ("OS Command Injection")
- ("SQL Injection")
- Improper Limitation of a Pathname to a Restricted Directory ("Path Traversal")
- Cross-Site Request Forgery (CSRF)
- Unrestricted Upload of File with Dangerous Type
- Missing Authentication for Critical Function
- Integer Overflow or Wraparound
- Deserialization of Untrusted Data
- Improper Authentication
- NULL Pointer Dereference
- Use of Hard-Coded Credentials
- Improper Restriction of Operations Within the Bounds of a Memory Buffer
- Missing Authorization
- Incorrect Default Permissions
- Exposure of Sensitive Information to an Unauthorized Actor
- Insufficiently Protected Credentials
- Incorrect Permission Assignment for Critical Resource
- Improper Restriction of XML External Entity Reference
- Server-Side Request Forgery (SSRF)
- ("Command Injection")

Static Analysis

All possible execution paths and variable values, not just those invoked during execution.

Dynamic Analysis

Reveals subtle defects or vulnerabilities whose cause is too complex to be discovered by static analysis.

- Application Misconfiguration
- Directory Indexing
- HTTP Response Smuggling
- Improper Input Handling
- OS Commanding
- Remote File Inclusion
- SQL Injection
- XML External Entities
- XQuery Injection
- Content Spoofing
- Fingerprinting
- HTTP Response Splitting
- Improper Output Handling
- Mail Command Injection
- Path Traversal
- Routing Detour
- SSL Injection
- Injection
- Cross-Site Scripting
- Format String Attack
- Improper File System Permissions
- Information Leakage
- Null Byte Injection
- Predictable Resource Location
- Server Misconfiguration
- URL Redirector Abuse
- XPath Injection

Secure Software Development & AppSec – Cont...

Hashing

- Hashed links, tokens, passwords and sensitive information

2 Factor Authentication & TOTP

- Mail activation, Timed OTP and username password

Permission Based Authorization

- Only relevant tenants and roles can access critical data

LDAP & Identity Server Integration

- Client user integration
- Organization tree import

Tokens & API Keys

- Every API attempt should be with JWT tokens

Blacklist & Whitelist

- When necessary, only selected domains are allowed

User Registration

- User is pre-registered with their email:
- Generic email domains like @outlook, @gmail, are disabled with a blacklist
- User receives a registration email with an activation link:
- Activation link contains an TOTP (Timed One Time Password)
- At the moment of registration, this password is created and stored in the database as a hashed string
- The activation password can only be created once, it cannot be changed afterwards, or until the password expiration date
- The password, hence, the activation link is only usable for 30 minutes (expiration time can be modified)
- Activation link can only be used once
- Every failed attempt at registration with expired or already used links are counted and logged
- User Registers their company and their own information with this activation link
- After confirmation by product admin, registration is complete

Identity Server

User Authentication

- Users are authenticated at login with JWT tokens
- Passwords in the database are stored as hashed strings, actual passwords are never stored

User Authorization

- Every API call is protected with permission-based authorization with the use of Bearer tokens
- Requests without authorization tokens are not permitted except for login and registration services
- Precautions for request header modifications like "tenant" information has been taken and are in testing/development
- exposure of used technologies, and frameworks

Vulnerability Testing

- Users were able to register themselves under any tenant/company by modifying the "__tenant" field in request headers. This vulnerability has been sorted
- Some framework specific services were given anonymous access, which let users to send create and delete requests without logging in. These services have been eliminated and reimplemented with secure authorization.
- Service response headers are audited for any exposure of used technologies, and frameworks

Multi-Tenancy

- Company admins and company users can only access their own company's data
- Any attempt at accessing other companies' data will be prevented and logged

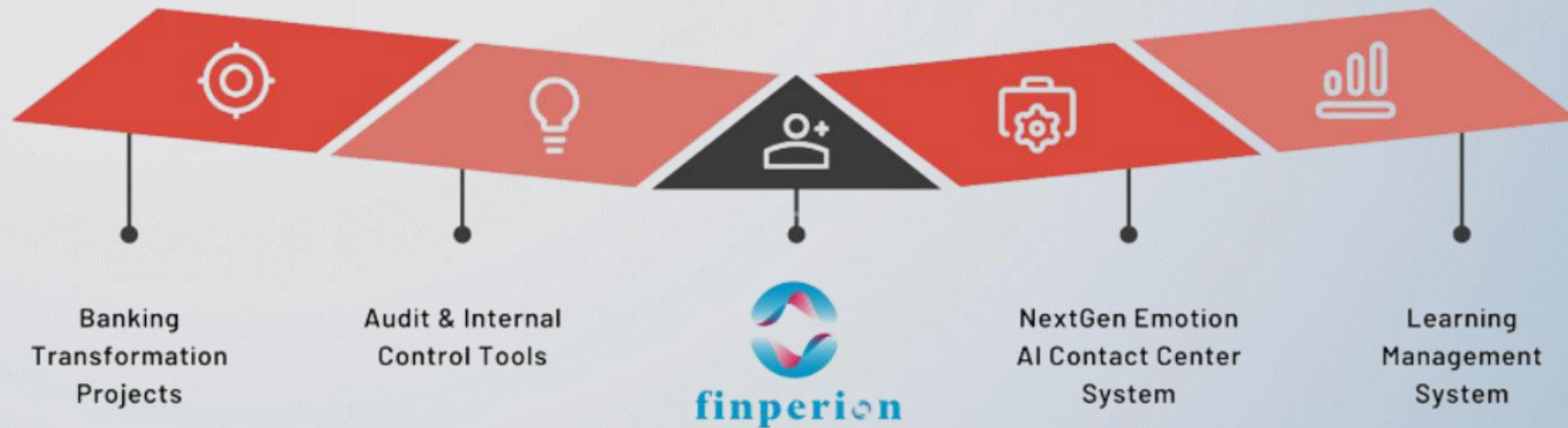
Product Admin Intervention

- Product Admins can oversee and manage clients in the system
- Users and companies can be disabled temporarily for security precautions

Python Forecasting Microservice

- Python microservice access secured by API Key implementation
- Keys can be instantly revoked if needed
- If a key leaks, there is no indication on where or how to use it
- Potential use of a cached system to reduce the reliance of a database and its maintenance

Digital Transformation Use Cases



Banking Transformation - Sample Projects

AKBANK

Loans Transformation Project

35 Developers

Transformed 500 features

Frontend & Backend Modernization Transformation
From Cobol, to Java for Backend, to .NET MVC for Frontend

ING

Mobile Banking

20 android 20 ios dev. 5-6 analyst, several teams

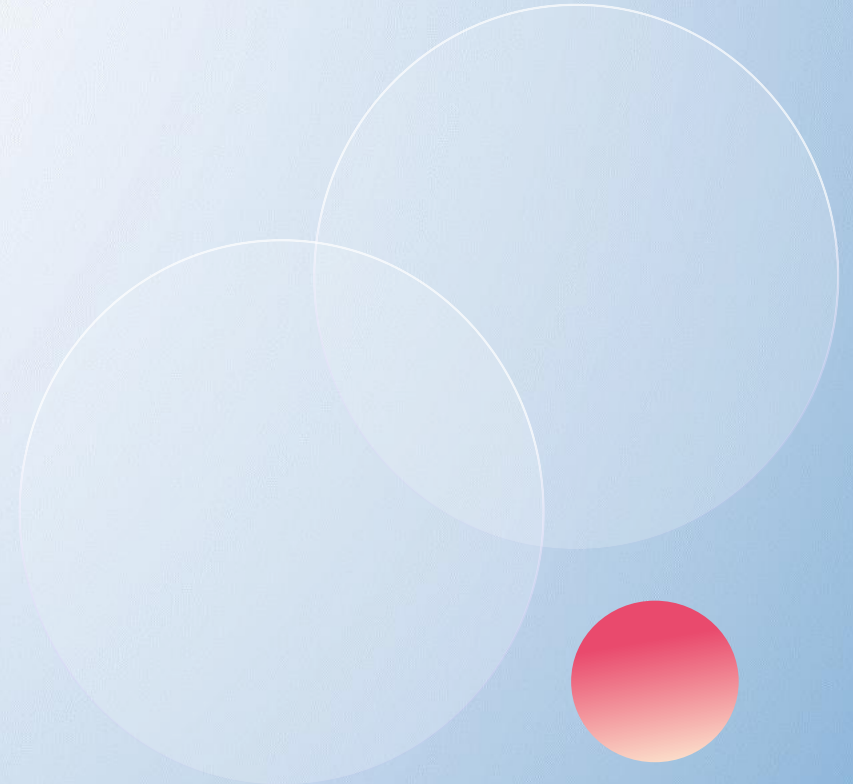
Transformed Money Transfers and Accounts modules

Transformed from Kotlin to Android Jetpack, MVVM, Kotlin Coroutines, Dagger-Hilt, Navigation, Flow, LiveData, Android Data Binding, Retrofit. Android Modular architecture used.

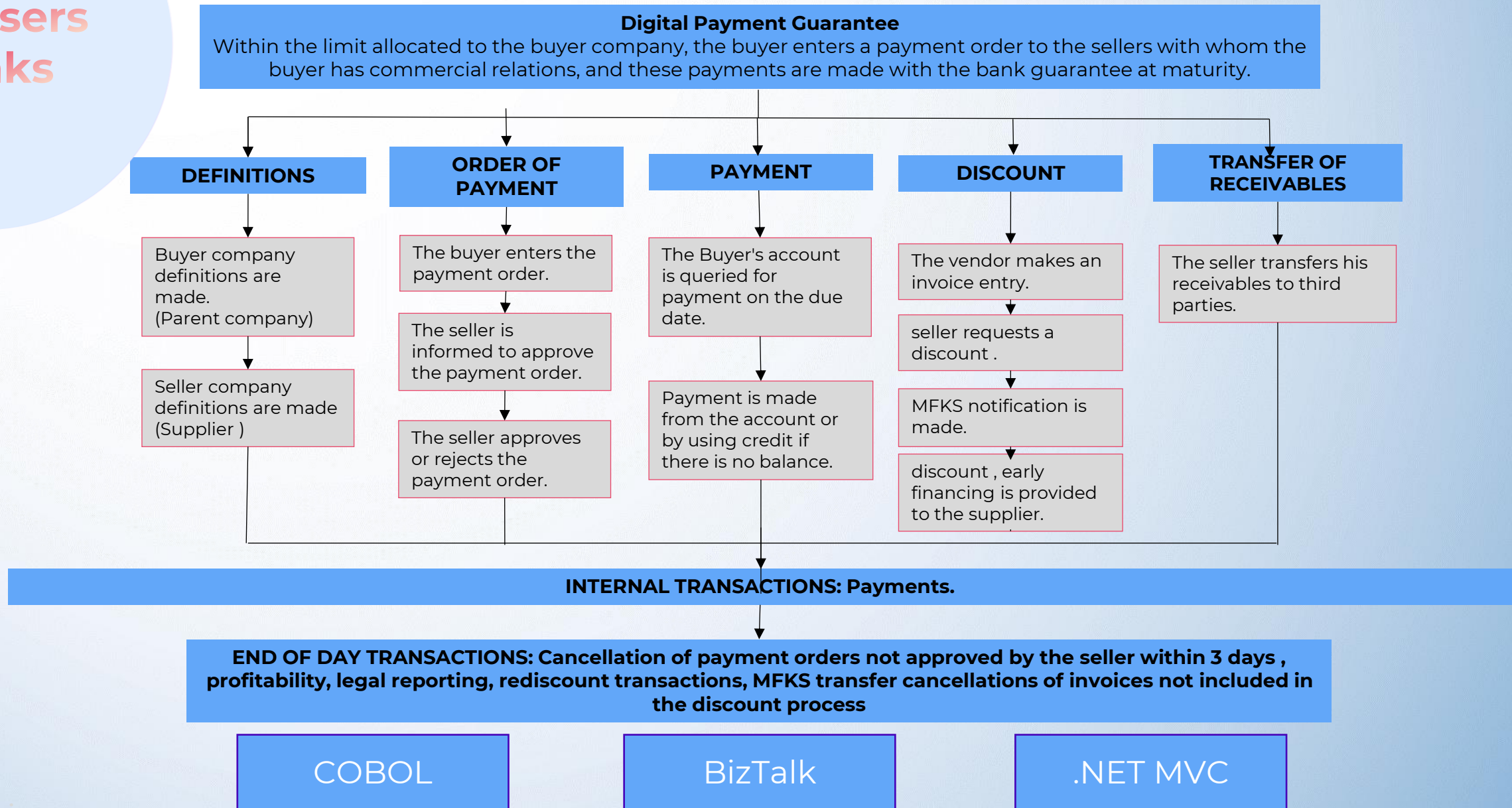


Banking Transformation - Sample Projects

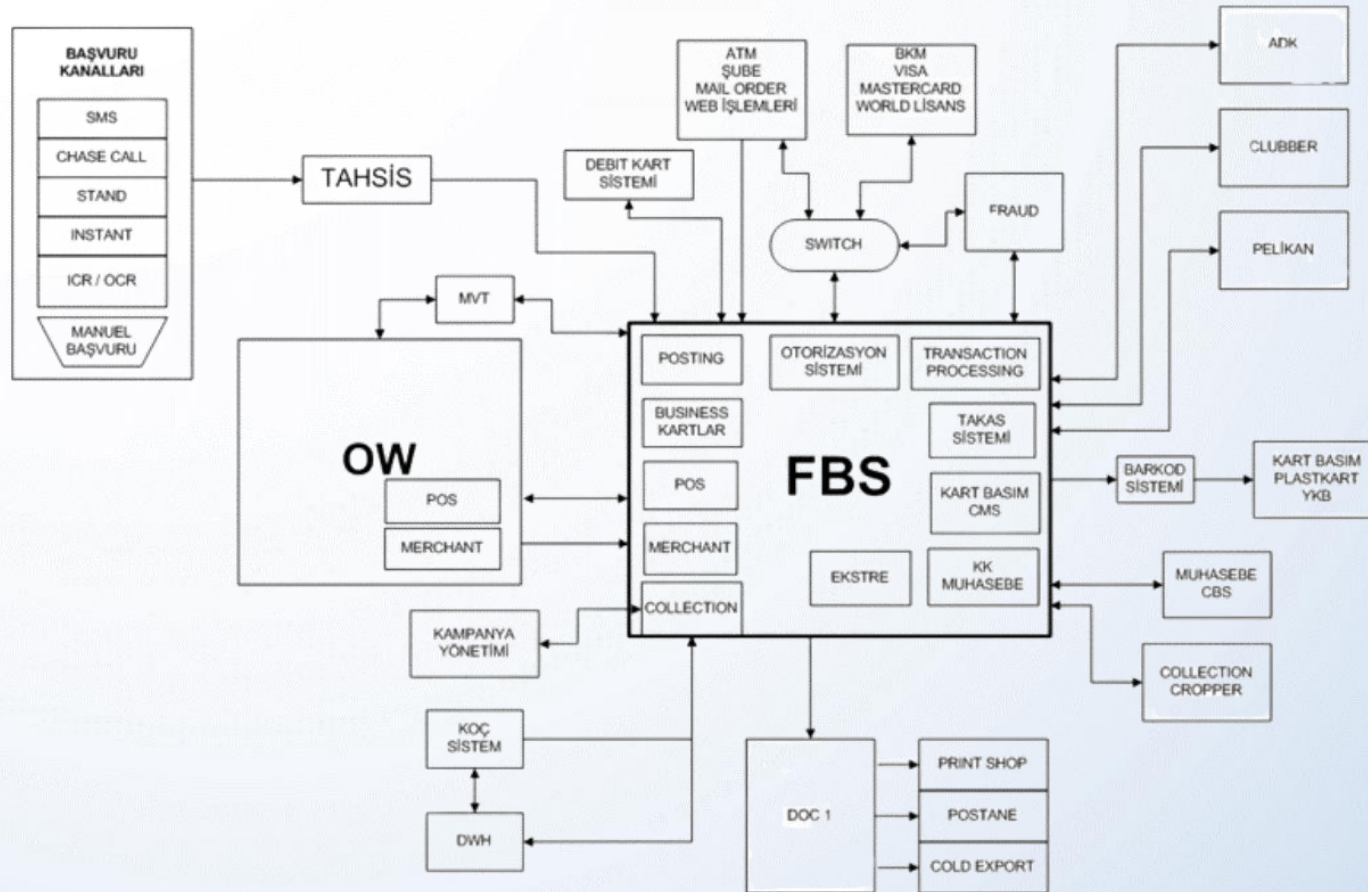
- **Front End Transformation 1000+ function transformation (Credits, Foreign Trade, Cash Management, Deposits)**
- **Letter of Guarantee Process Digitalization**
- **Open Banking for Retail Credit on e-commerce (ie. TOGG, Trendyol, Hepsiburada Finance)**
- **Commission Management System Transformation (All products)**
- **Commercial Credits Collateral System Transformation**
- **Commercial Credits Allocation Process Transformation**
- **Commercial Credits Pricing Projects**
- **Decision Support System Transformation**
- **Legal Management System for receivables**
- **Backend Technology Transformation – Retail Banking**



10K users
Banks



Card Payment System Transformation

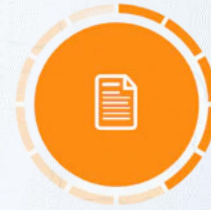


Banking Transformation – FlexCube Upgrade Project



~26Billion

Banking transactions processed on Oracle FLEXCUBE every year



10%

Of the World's banked population possess an account powered by Oracle FLEXCUBE



600+

Oracle FLEXCUBE Customers



140+

Countries where Oracle FLEXCUBE is Present

We offer deep expertise in Oracle FlexCube through a team of ex-Oracle kernel developers and senior consultants.

Our capabilities include:

- **Custom layer development, platform extensions and integrations**
- **Upgrade support, including version 14.7 and legacy versions (6–12)**
- **Technical and functional assessments and solution design**
- **Flexible team deployment: up to 10 skilled consultants available part-time or full-time**

Banking Transformation – FlexCube Upgrade Project



Current projects include:

Profitability-Driven Enhancements :

Implementation of functional and technical improvements within FlexCube to streamline operations, reduce manual workload, and enhance revenue-generating processes - such as automation of fee computation and cross-sell enablement.

Reporting Solutions for Core Modules :

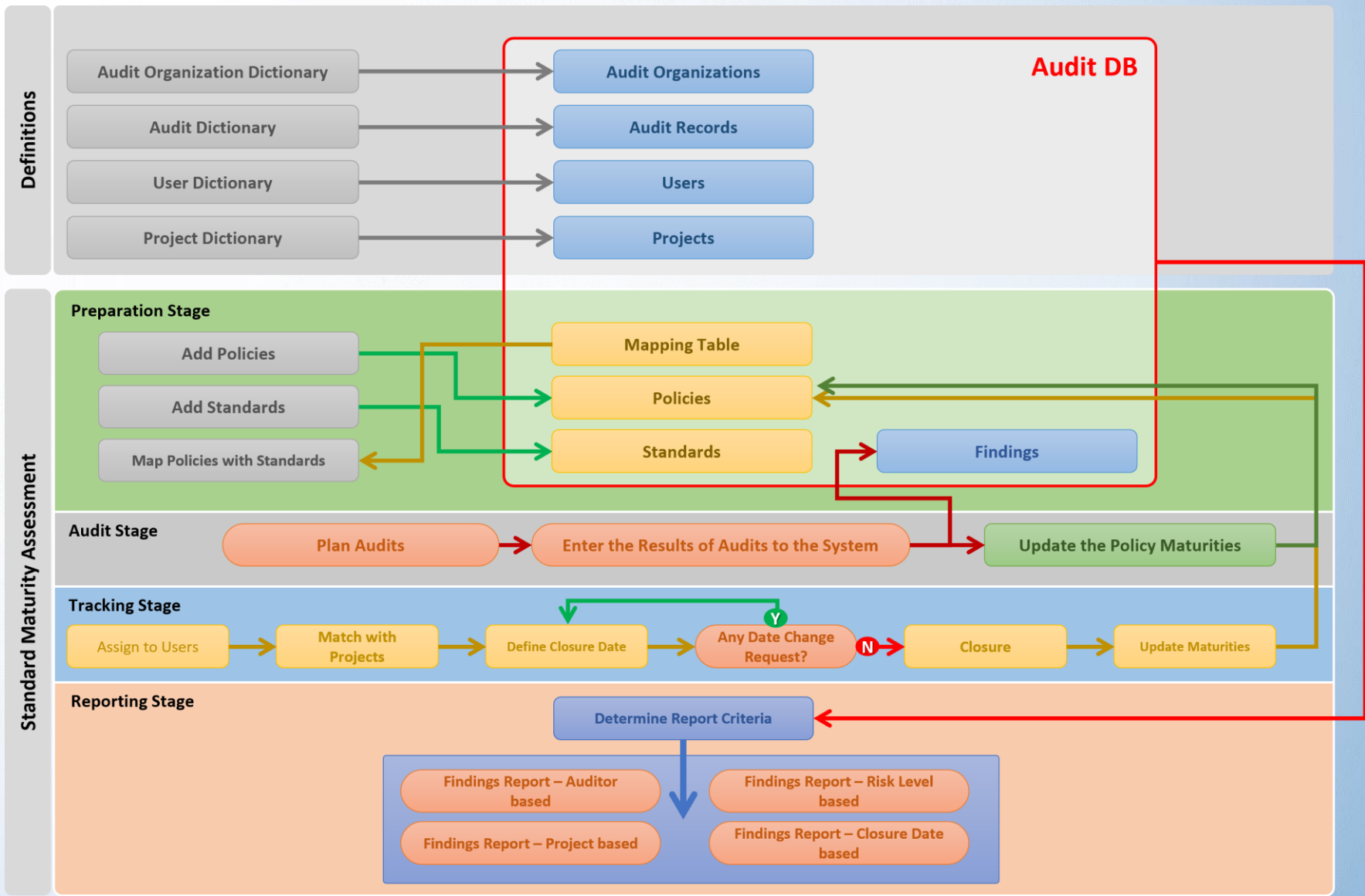
Reporting solutions for **Account**, **Customer**, and **Funds Transfer** modules - covering transactional histories, customer profiles, account balances, and payment flows. Reports can be tailored to meet internal KPIs, regulatory requirements, or real-time dashboard integrations.

Custom Web Service Development via FCUBS Web Services Framework :

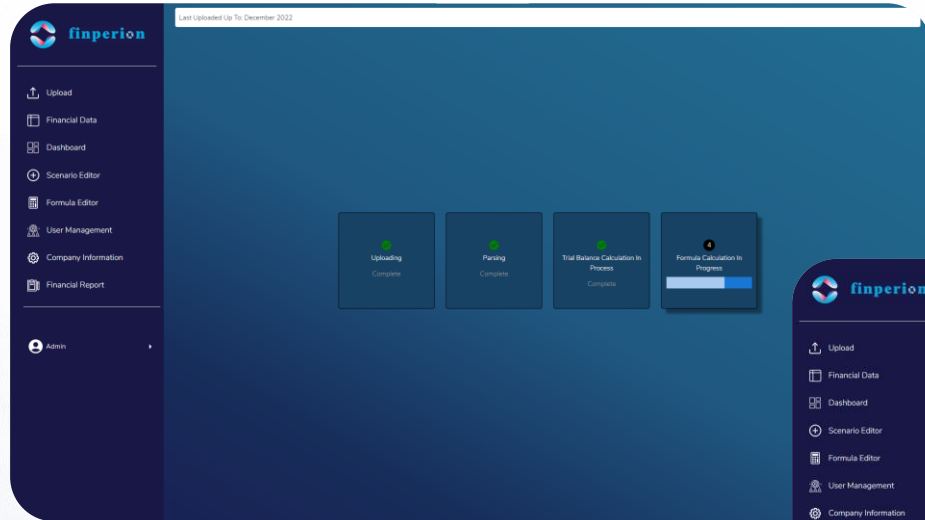
Design and deployment of SOAP/REST-based services leveraging FlexCube's Extensibility Framework - enabling secure, upgrade-safe integration with external systems (e.g., digital channels, payment platforms, CRM), fully aligned with FCUBS data structures and process logic.

Audit & Internal Control Tools

17K+ users
Banks



Finperion – Financial Risk Management



Upload

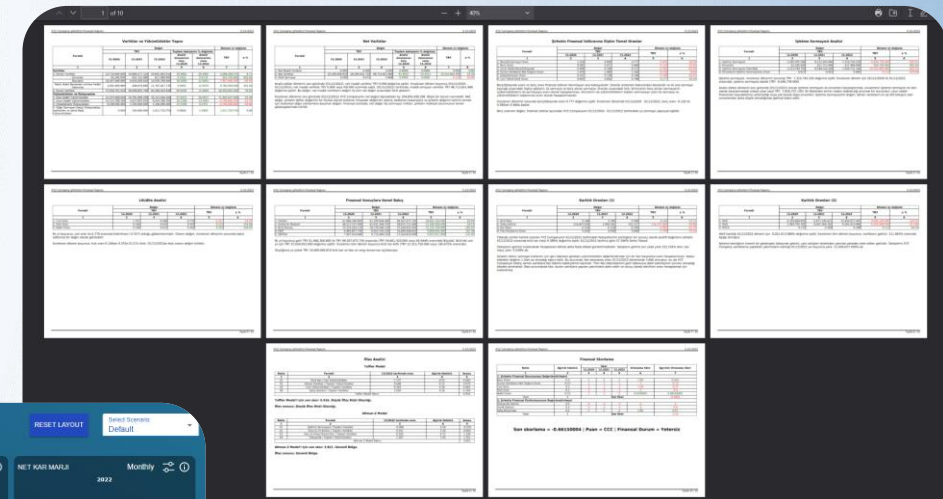
	Q1	Q2	Q3	Q4	Q1 F
Dönen Varlıklar	13,807,848.22	12,006,094.83	13,768,396.24	22,319,311.02	24,190,426.00
Hazır Değerler	1,612,169.72	1,628,364.65	3,641,346.63	8,807,697.67	9,039,386.00
Mevcut Kıymetler	0.00	0.00	0.00	0.00	0.119
Ticari Alacaklar (12)	10,260,603.29	7,968,558.61	9,105,914.28	12,451,707.67	12,864,722.00
Diğer Alacaklar (13)	68,303.98	51,224.98	57,999.43	58,412.03	692,570.938
Bilançolar	789,491.60	1,307,799.59	389,684.02	591,725.49	-183,457.678
Yılsonu Yatırım İng. ve Öncesi Maliyeti	0.00	0.00	0.00	0.00	0.119
Gelecek Aylara Aktı Gider ve Gelir Tahakkukatları (18)	1,062,765.75	1,017,697.02	570,606.12	406,037.69	497,661.313
Diğer Dönen Varlıklar	14,483.88	2,449.78	2,845.76	3,730.47	27,028.25
Dönen Varlıklar	43,951,160.27	49,645,150.93	55,806,187.21	56,312,963.10	58,435,236.00
Ticari Alacaklar (22)	0.00	0.00	0.00	0.00	0.119
Diğer Alacaklar (23)	0.00	0.00	0.00	0.00	0.119
Net Varlıklar	0.00	0.00	0.00	0.00	0.119
Maddi Duran Varlıklar	2,781,011.73	2,275,290.92	2,153,777.29	2,164,944.66	2,560,822.25
Maddi Olmayan Duran Varlıklar	41,043,051.27	46,580,588.46	52,691,945.59	52,691,945.59	55,613,488.00
Özel Tüklenmeye Tabi Varlıklar	0.00	0.00	0.00	0.00	0.119
Gelecek Yıllara Aktı Giderler ve Gelir Tahakk. (28)	127,057.27	789,271.55	1,060,464.33	1,456,072.85	1,498,263.625
Diğer Duran Varlıklar	0.00	0.00	0.00	0.00	182,986.25
Kısa Vadeli Yükümlülükler	25,270,380.32	22,113,266.26	27,736,649.96	26,248,754.75	30,438,046.00
Mali Borçlar (29)	19,619,287.79	17,235,492.28	21,154,142.84	22,112,489.29	23,966,788.00
Ticari Borçlar (31)	3,609,289.17	2,753,754.07	2,336,140.05	2,910,013.01	264,668.156
Diğer Borçlar (32)	80,957.29	-4,823.37	482,030.86	9,132.90	318,071.688

Forecast



Analyze

463K+ users
Market Potential

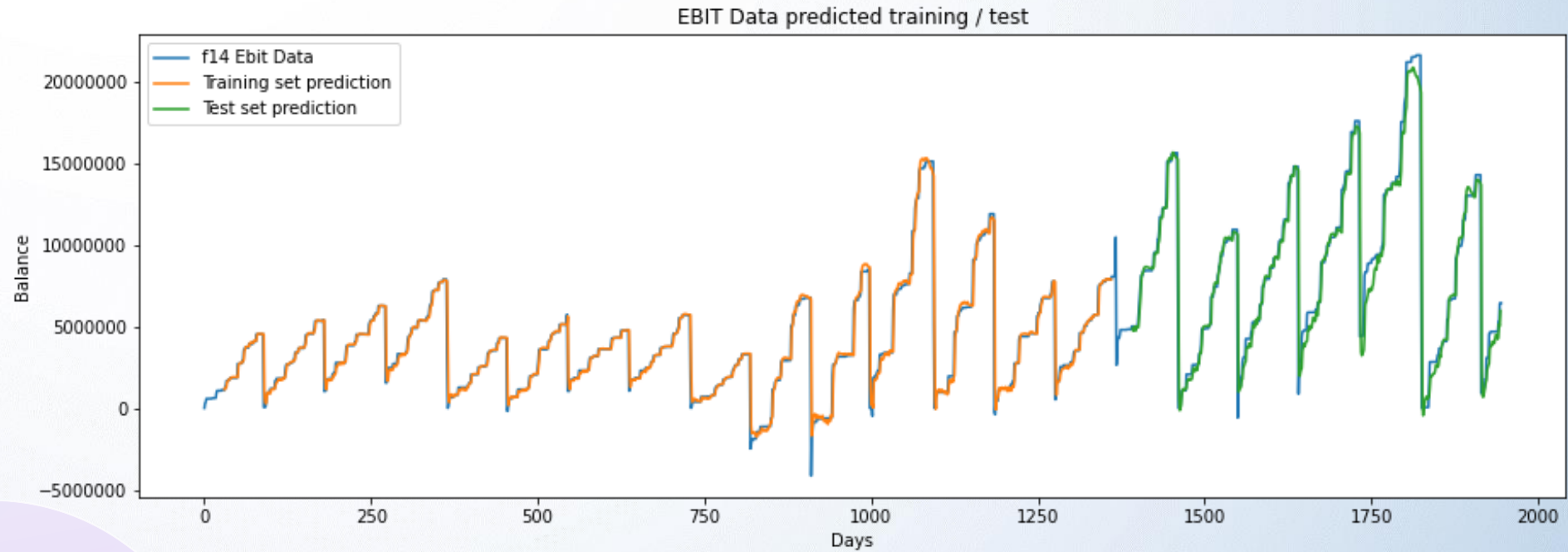


Report

Financial performance	AAA	AA	A	BBB	BB	B	CCC	CC	C	D
Excellent (AAA)										
Very good (AA)										
Good (A)										
Positive (BBB)										
Normal (BB)										
Satisfactory (B)										
Unsatisfactory (CCC)										
Adverse (CC)										
Bad (C)										
Critical (D)										

Score & Evaluate


Finperion LSTM Time Series Forecast



Normalized RMSE_Train: 3.054
Normalized RMSE_Test: 5.915

Learning Management System

91K+ users
Corporate

 İSTANBUL
BÜYÜKŞEHİR BELEDİYESİ

Anasayfa

Katalog

Eğitimlerim

Sınavlarım

Anketlerim

Sertifika larım

Taleplerim

Eğitim Planları

Grup Değişikliği Ta...

Eğitim Yoklamaları

Kütüphane

Personellerim

Takvim

Raporlar

Tanımlar

Eğitim Kategorileri

Eğitmenler

Stratejik Plan

Eğitimler

Analiz Dönemi

Gerekeçlendirmeler

Talep Onay Red

Adresler

Anket

Sınav

Sıkça Sorulan Sorular

Materyaller

Sertifika Şablonları

Eğitimlerim

Eğitimlerde Arayın

Filtreleme Yap

MESLEKİ GELİŞİM EĞİTİMİ

İNNOVASYON

ZORUNLU

ONLINE EĞİTİM

0 Sa 30 Dk

İnovasyon Eğitimi

İnovasyon

Devam Ediyor 9 gün kaldı

İzle

%0

MESLEKİ GELİŞİM EĞİTİMİ

DEĞİŞİM

ZORUNLU

ONLINE EĞİTİM

0 Sa 30 Dk

Değişim Yönetimi Eğitimi

Değişim Yönetimi

Devam Ediyor 9 gün kaldı

İzle

%0

MESLEKİ GELİŞİM EĞİTİMİ

PROJE YÖNETİMİ

ZORUNLU

ONLINE EĞİTİM

0 Sa 30 Dk

Proje Yönetimi Eğitimi

Proje Yönetimi Eğitimi

Tamamlandı 21 Eylül 2023

Tamamlandı

%100

MESLEKİ GELİŞİM EĞİTİMİ

İŞ ANALİZİ

ZORUNLU

ONLINE EĞİTİM

0 Sa 30 Dk

İş Analizi Eğitimi

İş Analizi Eğitimi

Tamamlandı 21 Eylül 2023

Tamamlandı

%100

MESLEKİ GELİŞİM EĞİTİMİ

ENDÜSTRİ 4.0

ZORUNLU

ONLINE EĞİTİM

0 Sa 30 Dk

Endüstri 4.0 Eğitimi

Endüstri 4.0 Eğitimi

Tamamlandı 21 Eylül 2023

Tamamlandı

%100

MESLEKİ GELİŞİM EĞİTİMİ

MOBBING

ZORUNLU

ONLINE EĞİTİM

0 Sa 30 Dk

Mobbing Eğitimi

Mobbing Eğitimi

Tamamlandı 13 Eylül 2023

Tamamlandı

%100

MESLEKİ GELİŞİM EĞİTİMİ

SIFIR ATIK

ZORUNLU

ONLINE EĞİTİM

0 Sa 15 Dk

Sıfır Atık Eğitimi

Sıfır Atık

Tamamlandı 12 Eylül 2023

Tamamlandı

%100

MESLEKİ GELİŞİM EĞİTİMİ

AUTOCAD

ZORUNLU

ONLINE EĞİTİM

1 Sa

AutoCAD Eğitimi (Temel Seviye)

AutoCAD Eğitimi (Temel Seviye)

Tamamlandı 22 Mayıs 2023

Tamamlandı

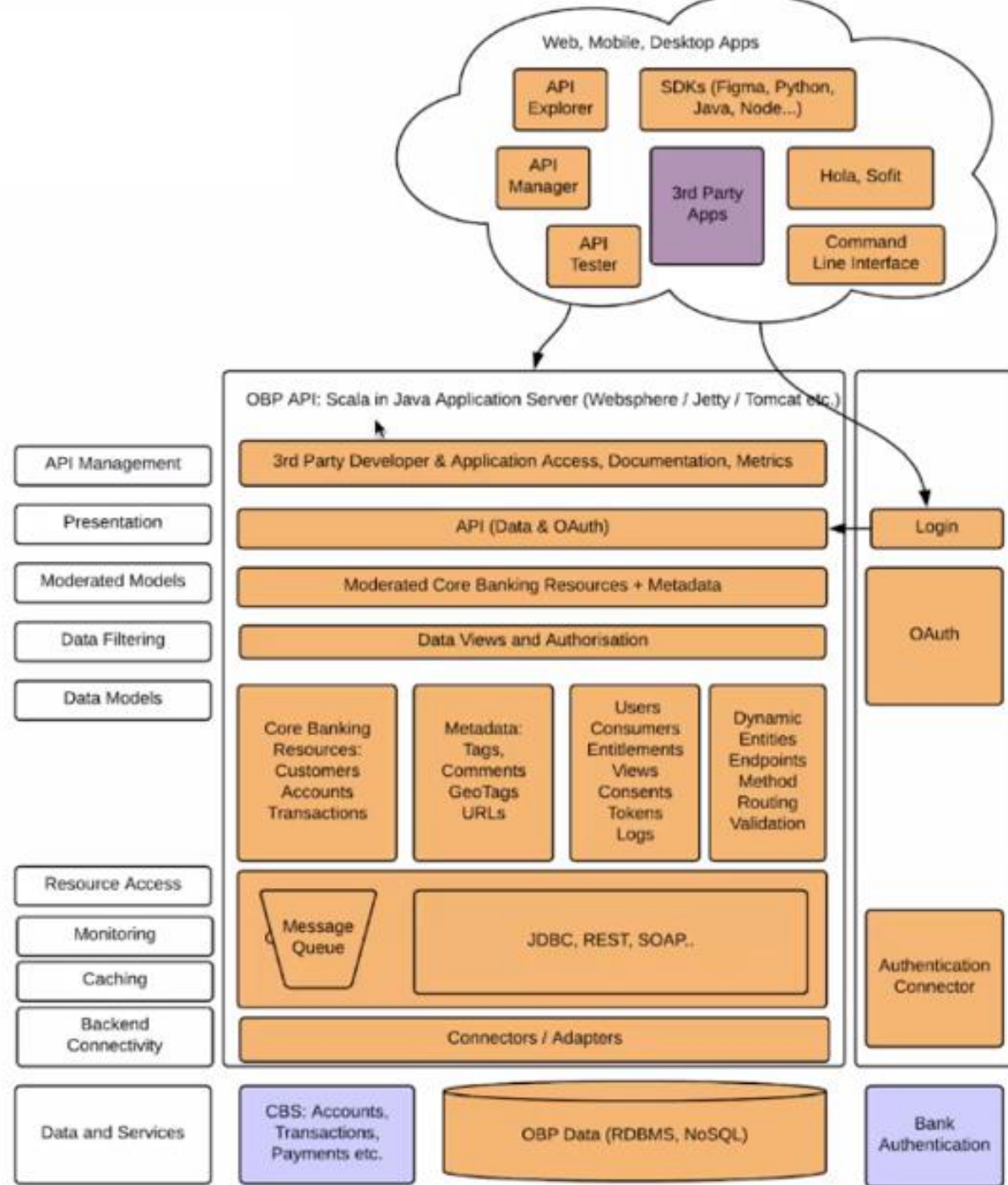
%100

Sayfa başına satır sayısı 8

Sayfa: 01 / 03 < Önceki Sayfa 01 02 03 Sonraki Sayfa >

Partner Solutions

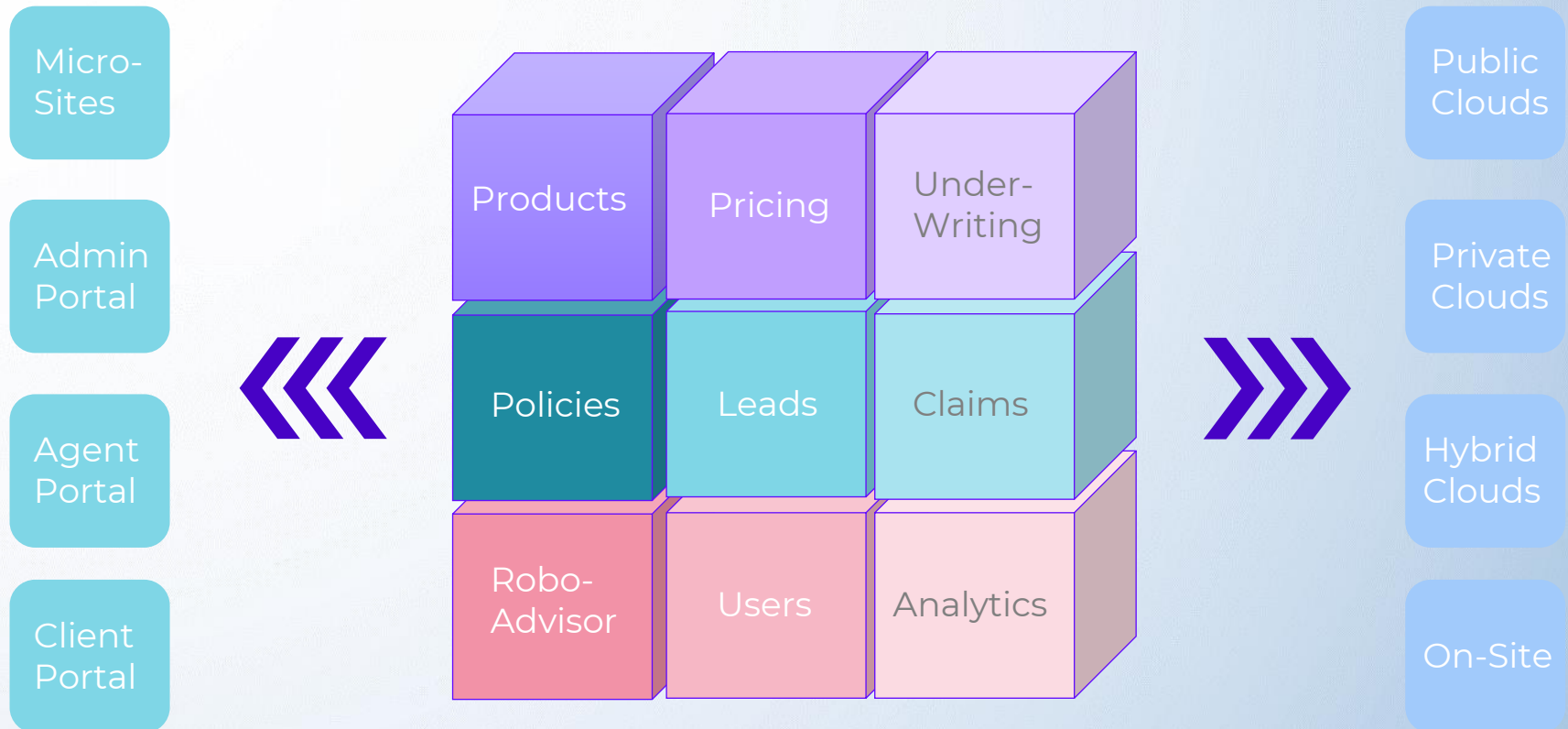
Open Banking



500+ insurance API's covering any simple complex processes from an insurance business ecosystem

Partner Solutions

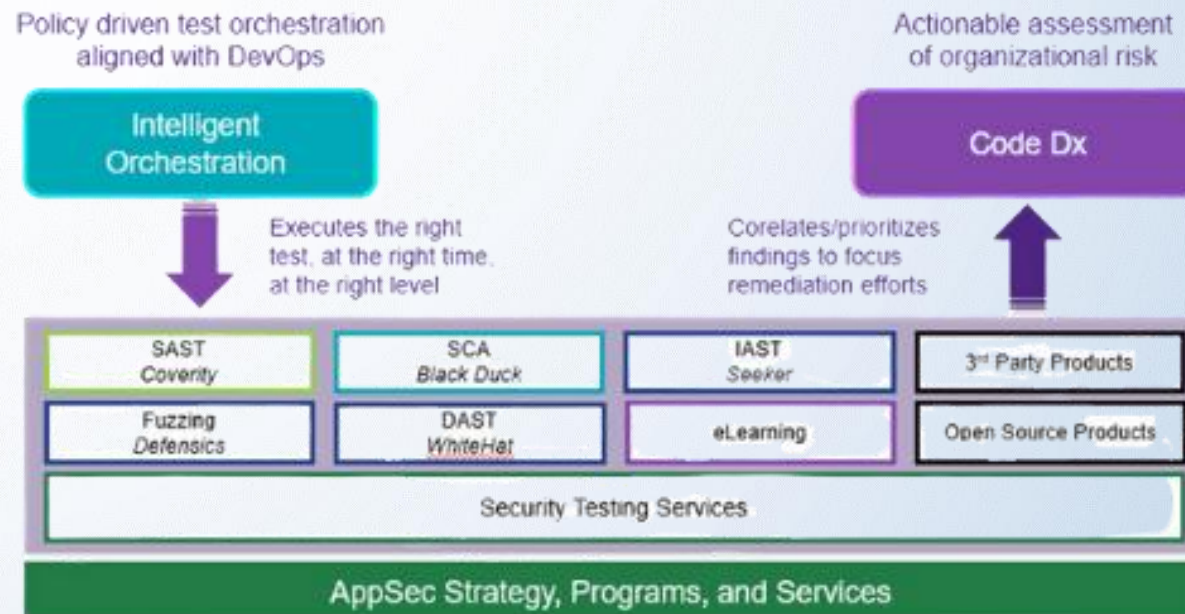
Core Insurance



The modularity and configurable approach of the platform allow to assemble API's and modules at record speed to deliver a tailor-made solution fitting exact client needs

Partner Solutions

AppSec



Partner Solutions

Intelligent Document Processing

Problems

Too much data entry

Possibility of human error

Including new documents to the coverage creates a lot of workload

Operational workload

Too much time for document processing

Reaching the structured data on documents

IDP automates data entry from documents

Advantages

Reduces repetitive manual data entry

Provides a new layer against human error

Accelerates processes

Provides efficiency & scalability

Solution

SAFIR X



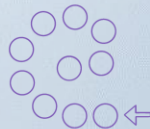
CONFIGURABLE MODELS



VISUAL CLASSIFICATION
TEXTUAL CLASSIFICATION
INFORMATION EXTRACTION



STATE-OF-THE-ART
AI MODELS



FLOW DESIGN



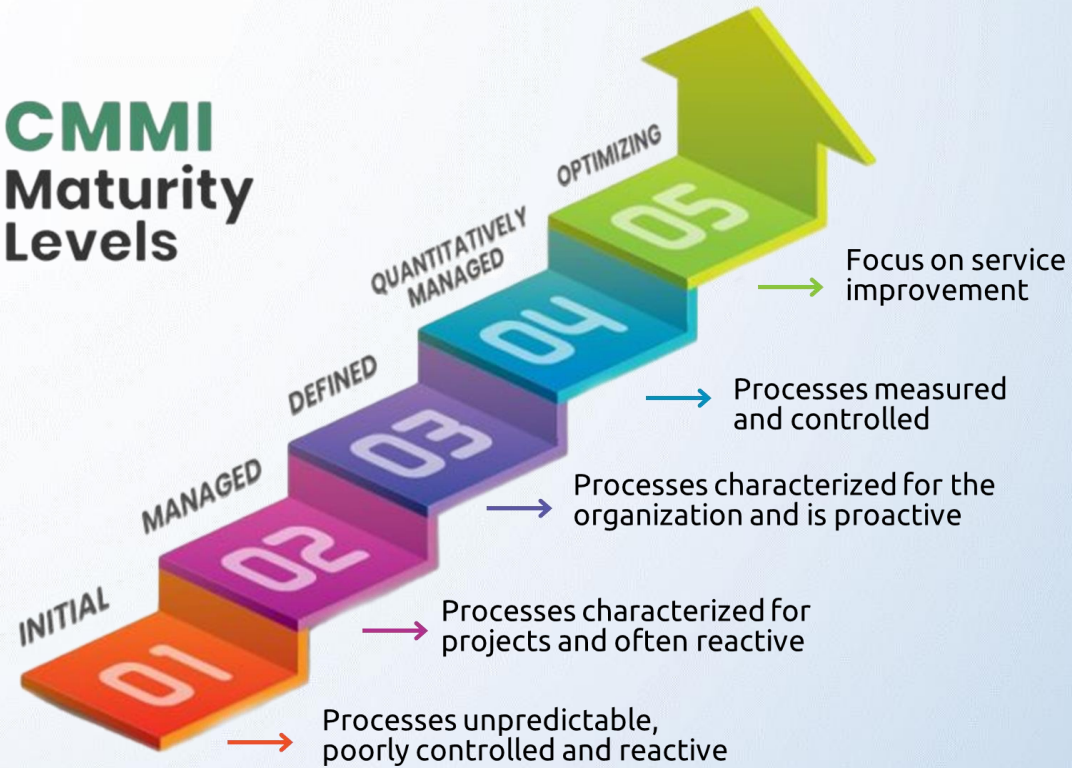
NO TECHNICAL
EXPERTISE REQUIRED

Process Consulting Service

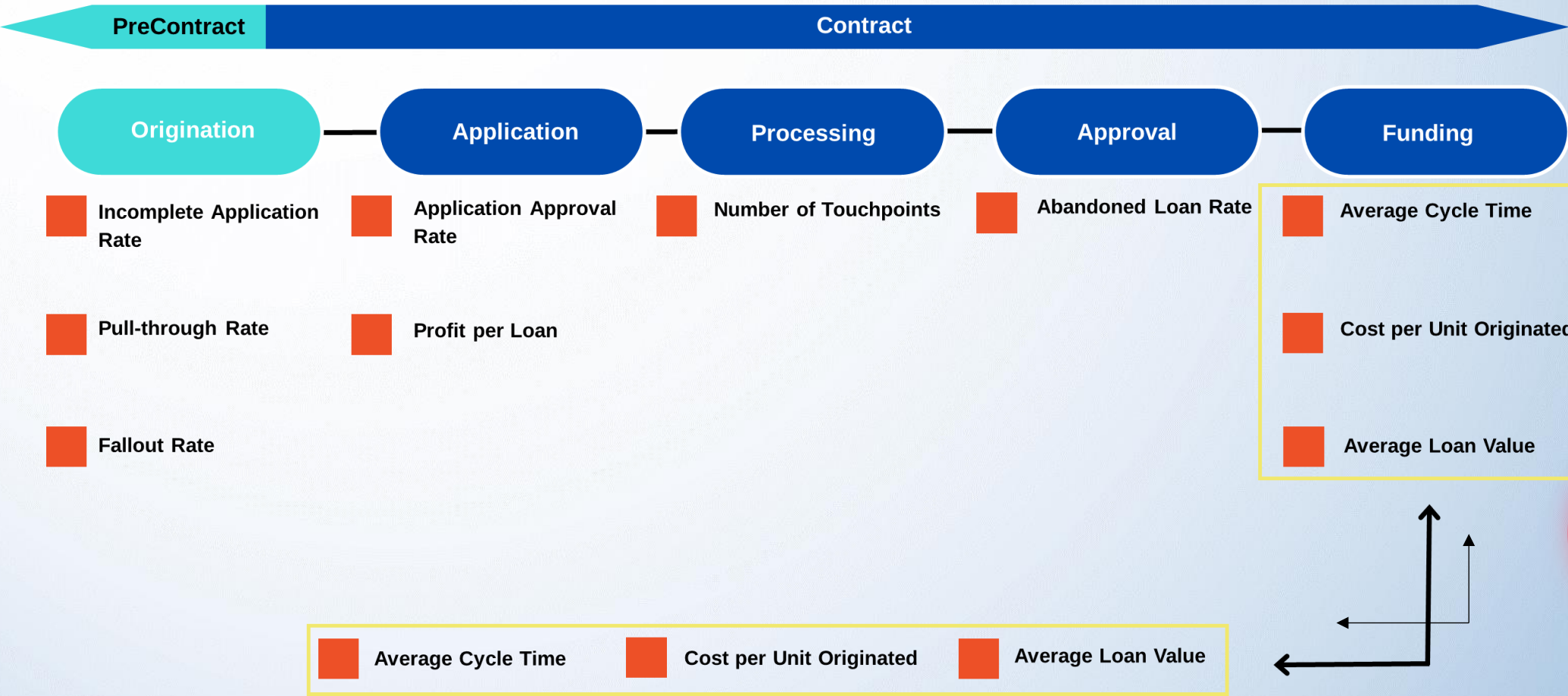


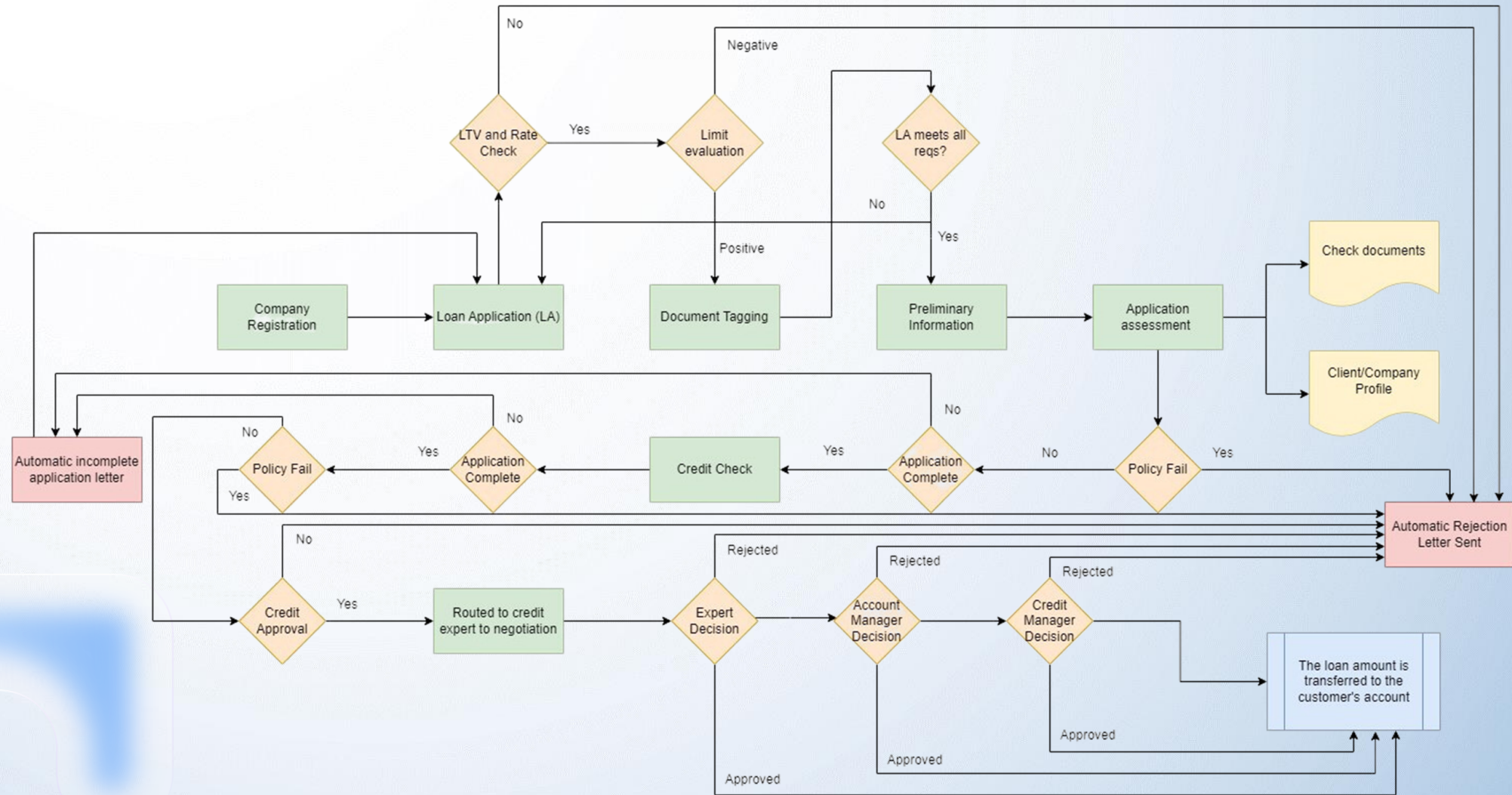
**CMMI-SVC + SSD
Level 3**

CMMI Maturity Levels

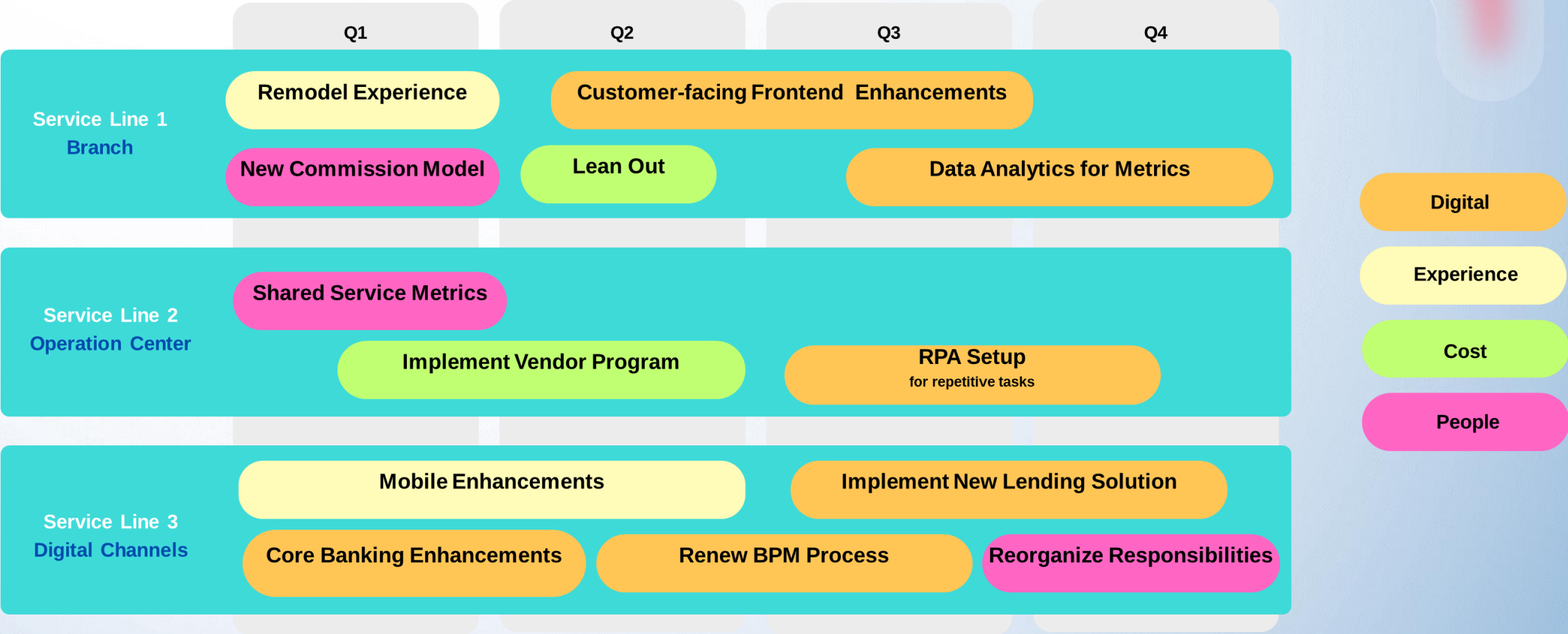
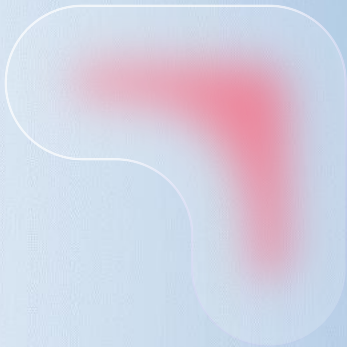


Process Consulting - Metrics





Process Consulting - Sample Roadmap





Mirsis 15th Anniversary Video

<https://tinyurl.com/mirsistestimonials>

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**Mail**

info@mirsis.com.tr

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