synodus

# SYNODUS COMPANY PROFILE

Forge ahead together
into the future Digital World

**synodus**

# Table of content

synodus

# 01

# Who we are

**Your vision - Our solution**

## ● Who we are

We are a group of more than 250+ competent developers based in Hanoi, Vietnam who are passionate about leveraging technology for inclusive growth globally.



# 04+
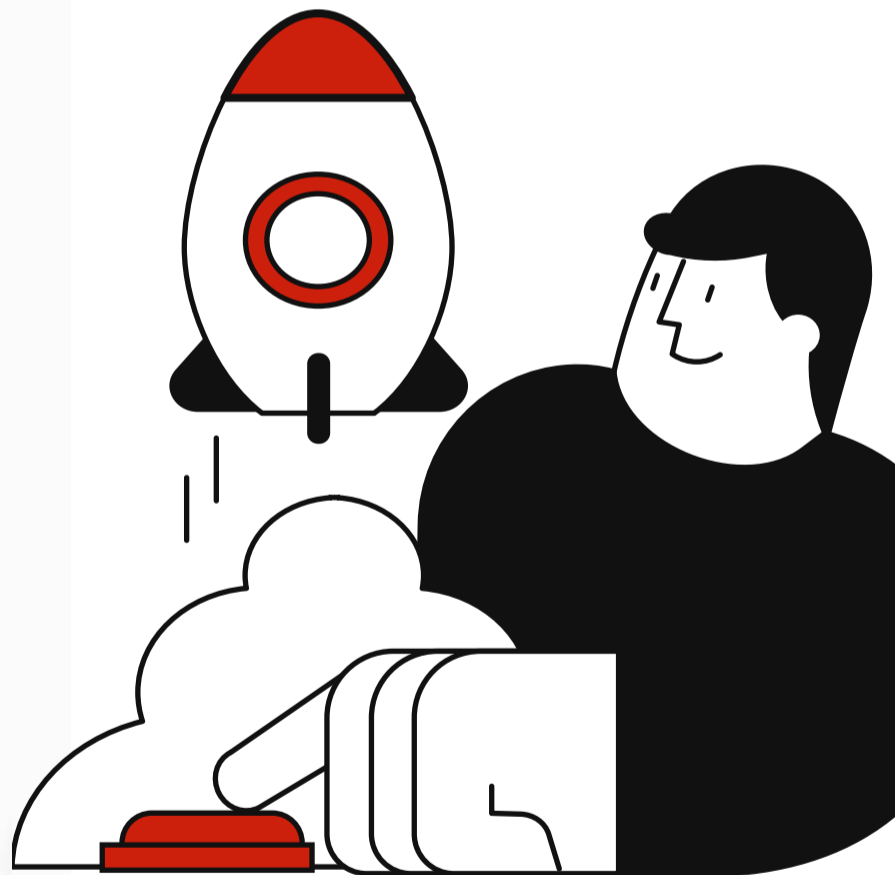years of experience

# 250+
competent developers

# 100+
projects completed &
in progress

# 10+
countries

## • Our team



### DX

Digital Transformation Implementation & Advisory for Public Sector

👥 100

### Blockchain

Professional blockchain development &consulting services

👥 50

### Data Analytics

Analytics Strategy & Roadmap, analytics Solutions & Services

👥 30

### Software Development

Custom software development & tech advisory

👥 70

Sweden

Canada

Belgum

Korea

USA

Japan

Vietnam

Singapore

Australia

New Zealand

We have expanded and served clients globally, acquiring valuable experiences and expertise in various domains, including:

Manufacturing

Energy and Utilities

Logistics

Education

Banking, Financial Services and Insurance

Telecommunications

Retails

Public Sector

# Personal Accountability

# Effectiveness

# Equity

> "
> We never compromise on
> our principles and professional ethics.

## ● Our Mission

To be a reliable technology partner on our global clients' journey to digital future leveraging the right set of our assets and capabilities in Consulting, Technology and Smart Execution.
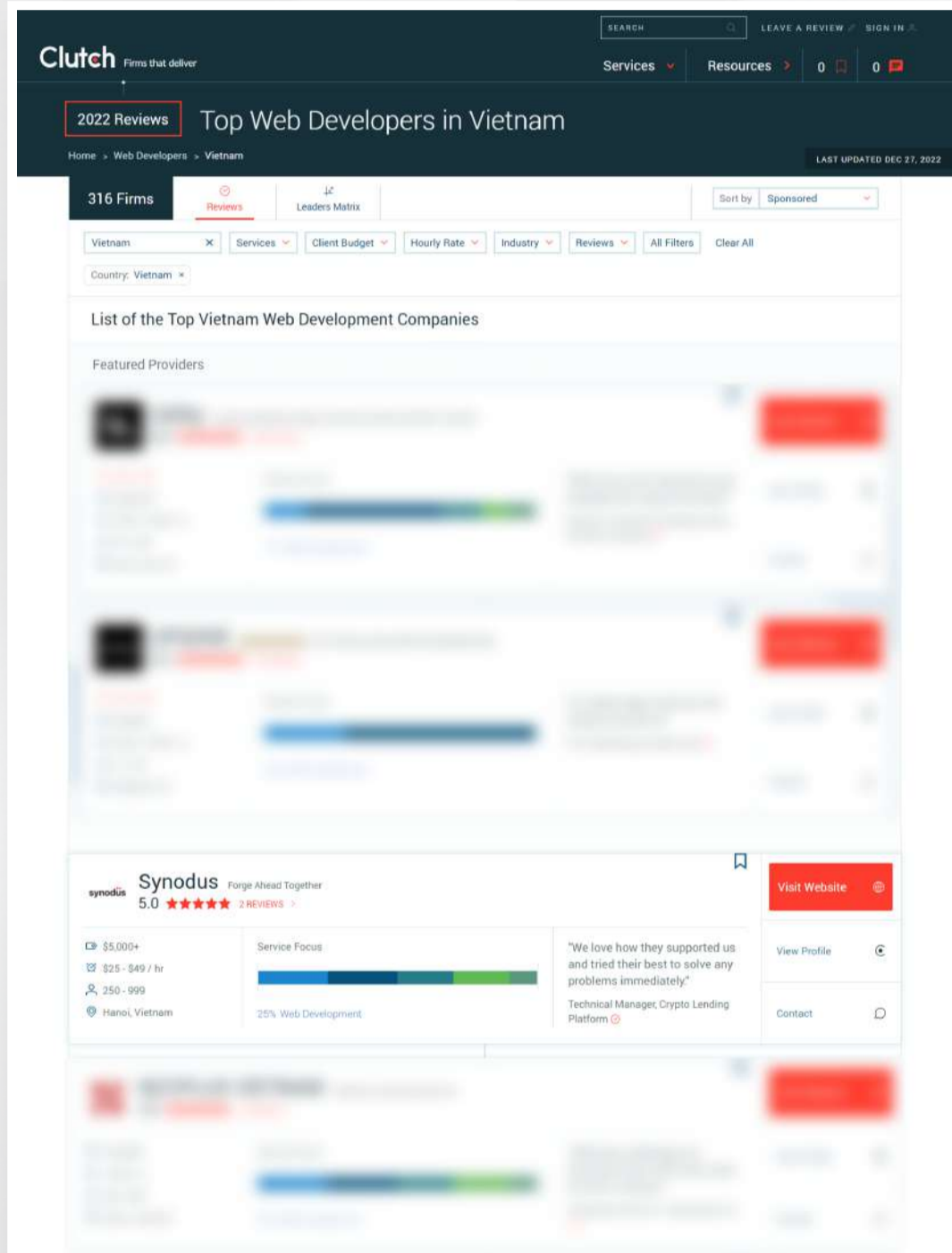
## ● What we believe

We believe that "Create value, start by listening". Work with us, then you will feel the difference. Why? An unique group of passionate people who care more about your success.
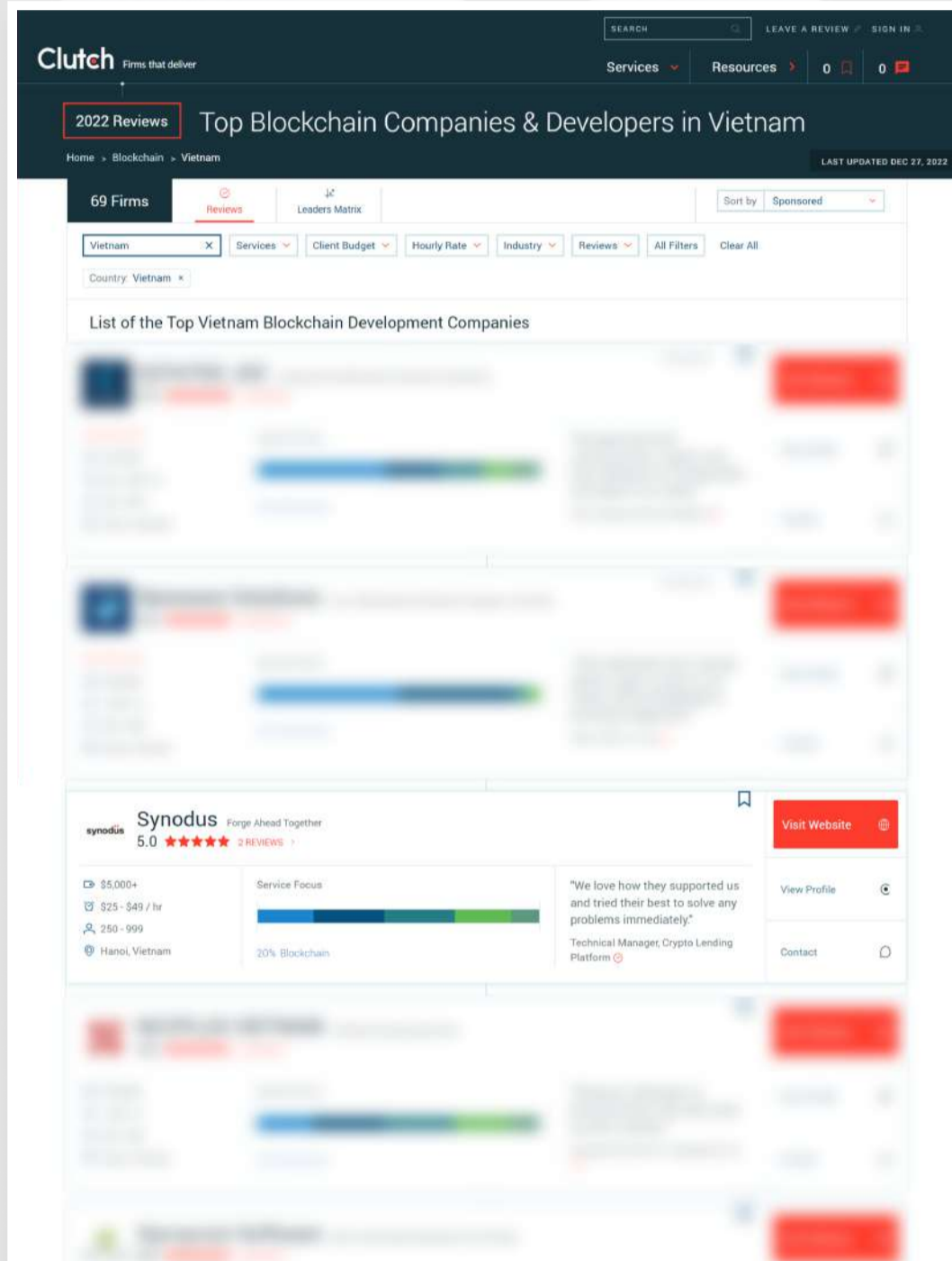
# We are trusted and supported by tech giants

# We always strive to be better.
## Certifications change over the year, but our commitment to quality and customers' satisfaction will not.



Top 10 Web Developers Vietnam 2022
by Clutch.io



Top 10 Blockchain Developers Vietnam 2022
by Clutch.io

# • Our clients

We pride ourselves to become the trusted technology partner of global corporations and Vietnamese public sector.

BOC AVIATION

KPMG

Unilever

BỘ KẾ HOẠCH VÀ ĐẦU TƯ · MINISTRY OF PLANNING AND INVESTMENT

BỘ NỘI VỤ

SVC SOVICO GROUP

EVN GENCO3

viettel — Theo cách của bạn

TECHCOMBANK

NGHI SON REFINERY AND PETROCHEMICAL LLC — NSRP

MB

Rạng Đông

Vietnam Airlines

VietjetAir.com

BAMBOO AIRWAYS

# 02

# What we offer

**One-stop shop for your mission-critical projects**

synodüs

# 1. Digital Transformation Services

Digital-first companies are significantly transforming every major industry – from retail and energy to media, healthcare and travel. Confronted by robust digital disruption worldwide, enterprises have no other choice but adapt quickly and stay ahead of the curve by reimagining and elevating IT as a strategic core business function.

We are proud to contribute to digital transformation era with a strong focus on Vietnam public sector and large enterprises.

Technology    Consulting

Outsourcing

# synodus

# • What we offer

## Unleash your business growth with New IT

## What is New IT

New IT is a different way of conceiving, designing and deploying technology across an enterprise. New IT helps unlock unrealized streams of business value by optimizing a company's current IT estate while simultaneously innovating with a set of new technologies such as hyperconvergence, automation, cloud, AI, AR and VR, advanced algorithmic analytics, IoT, 3D printing or blockchain.

**NEW IT PURPOSE**

All about realizing value from technology innivation and the introduction of flexible controls.

New Modols, Efficiencies, New Costs & Funding, New Rules & Controls

**NEW OPERATING MODEL**

Change to a NEW IT operating model with new capabilities, evolved ecosystem relationships and new IT talent.

Multi-Speed Model, Culture & Talent, Governance, Ecosystem Management

**NEW ENTERPRISE ARCHITECTURE**

A decoupled, agile, future-ready architecture and an integrated ecosystem and critical enablers for NEW IT.

Lean Delivery, API Architeture, Collaborative Organization, Digital, Data & Agile Architecture

**NEW METHODS AND TOOLS**

New ways of working focus on scaled agile development, lean operations, innovation and intelligent automation.

Agile, DevOps, Innovation, Design Thinking

**NEW TECHNOLOGY**

Foundational new technologies page the way for businesses to unlock new potential streams of value; however they rely heavily on the evolution of EA methods and operating models to unlock their true potential.

Cloud, Platform & Ecosystem, Security, Big Data & Analytics, Robotic Process Automation, Artificial Intelligence, Blockchain, IoT

## Our service in forcus

- Tech-driven digital transformation
- IT product strategy consulting
- Technology advisory
- Dedicated IT consulting tasks

## Expectable business impact

- ✓ Establishing a new IT purpose: Positioning IT as a strategic business asset
- ✓ Building a future-ready IT Foundation
- ✓ Building more IT Muscles for your business leveraging innovative technologies
- ✓ Redefining a new way of working

# How we can help to get started on the journey to New IT

## How we can help

Define a New IT vision and strategy

Assess your organization's capabilities and create a digitally decoupled architecture

Analyse opportunities and identify gaps between what you want and where you are

Create a transformation roadmaps and actionable plan to deliver New IT to your organization

Implement new technology and ensure superb security along the journey

## Why choose us

- ✔ Intense focus on security
- ✔ Deliver results
- ✔ Well-established expertise and experience
- ✔ Technology Agnostic
- ✔ ALL-IN-ONE provider

## Client in focus

Public Sector · Consumer Goods & Services

Finance & Banking · Real Estate

Retail

**CASE STUDY**

# Intelligent Operation Center (IOC)

## Client: Public sector

## Client background

Now more than ever, the public sector must balance the stability of service delivery with the speed to react to citizens' changing needs. Facing limited resources, compressed timelines and unprecedented challenges, leaders were looking for new ways of working to be successful.

We combine advanced technology and customer-centric approach to enable leaders across public sector organizations to turn ambition into action. We build an extensive and smart platform which serves specific needs of multi layers of governance, at the same time, delivers sustainable value for citizens.

## Featured modules

- ✅ Data warehouse & Integrated Axis
- ✅ Electronic Reporting System
- ✅ Citizen Feedback & Request Platform

- ✅ Attendance Tracking Application
- ✅ Document Management System
- ✅ Task Management System

- ✅ Real-time dashboards & BI Reports
- ✅ Smart Meeting System
- ✅ Operational Application

**CASE STUDY**

# Production Planning Optimization

### Client: Unilever Vietnam

## Client background

Unilever is one of the world's leading multinational companies specializing in food, home, personal care products. Started its operation in Vietnam in 1995, so far, Unilever Vietnam has built an extensive network of over 150 distributors and 200.000 retailers

## Challenges

- Time consuming on Production Planning & Scheduling
- Internal large number of SKUs increases complexity, which costs money
- Paper-based system lacks control, accuracy and agility

## Solutions

- Intelligent Scheduling
- Production control & tracker

## Result

**10%**

changeover cost reduction

**80%**

time savings weekly on production planning

**Quickly**

re-schedule the plan and get most optimized

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# Enabling the concept of "Smart Hospital" to become reality in Vietnam

Client: Smart Hospital

## Client background

The smart hospital approach is an inevitable choice in Vietnam to improve the quality of healthcare, achieve patient satisfaction and ensure security, safety and efficiency in hospital management. So as to spearhead in overhauling the conventional practices, a nation hospital reached out to us for IT Consulting and Implementation.

## Our featured products

- Humanoid Robot Asasistant
- Hospital Information System

## What we offer

Assess the current capabilities and analyze opportunities to apply innovative solutions

Identify gaps

Define a new IT Strategy and Roadmap

Execute the IT Modernization Pilot Project

Ensure the first-class security

## Benefits

- Humanoid Robot Assistant ran approximately 25% tasks of nurse related to instruction and guiding
- Monitor and share data from all departments & systems to prioritize patients activities and discharges
- Reduce ED wait time
- Improve quality, safety and optimized clinical operations
- Smart storage of medical records & ready for use
- Online Booking for health check at hospitals/ clinics

# 2. IoT & AI Solutions

We are on our way to complete a comprehensive suite of smart city solutions ranging from smart tourism, traffic management, surveillance system, smart chatbot platform and intelligent lighting systems. Our deep understanding of IoT and proven expertise in wireless design and connectivity solutions, have made us recognized and trusted by our global clients and partners.

Smart Lightning

Smart Tourism

Smart Chatbot

Surveillance System

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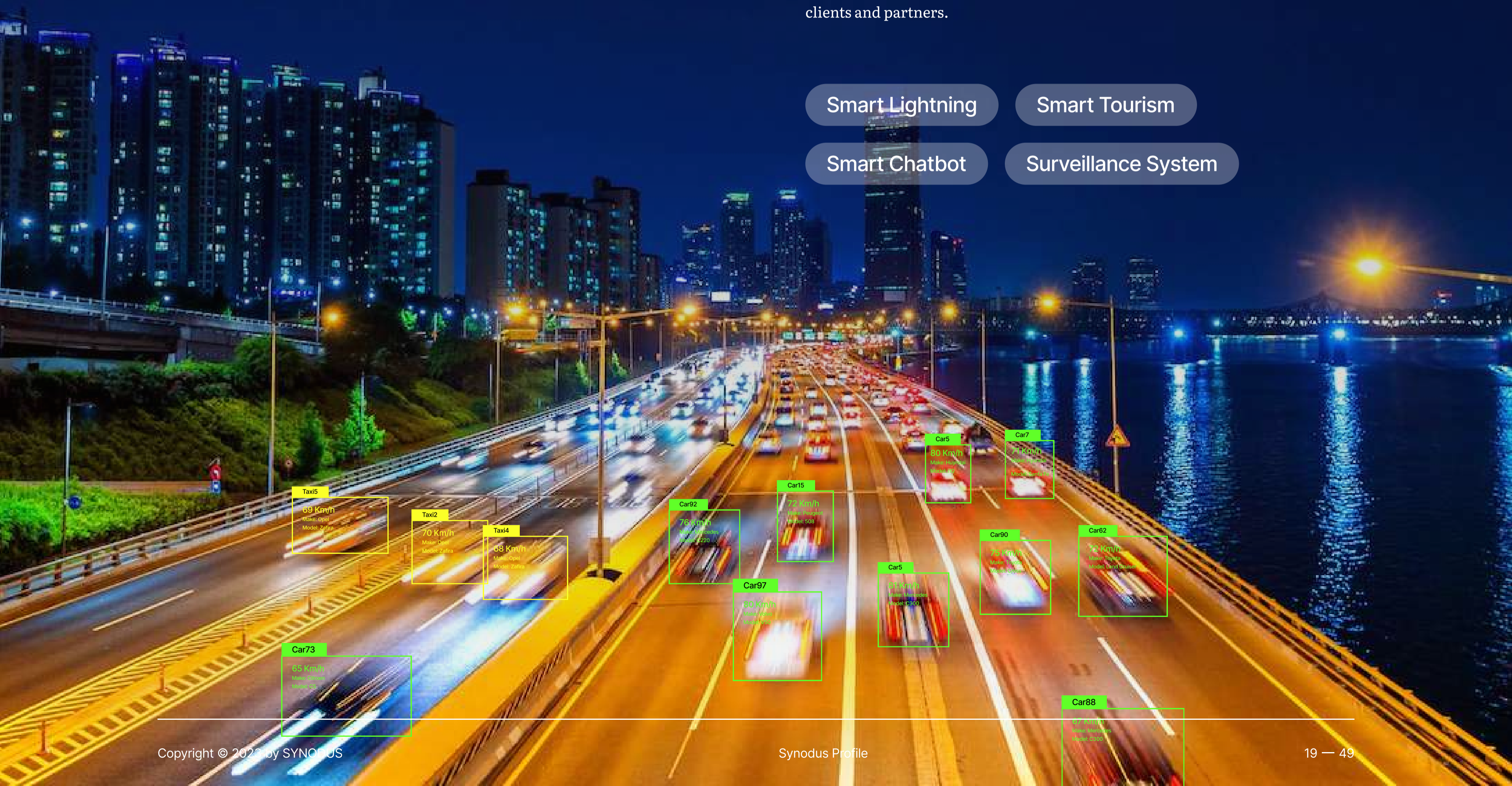
# Device Management System

## Video Analytics System

## Client background

Local authorities in Vietnam are seeking CCTV solutions for the sake of public safety, criminal control, disease tracking. Amid Covid-19 pandemic, they are more eager to make the most out of hundred thousands of available cameras and the expansion of 5G over the past years.

Built on the state-of-the-art Computer Vision technology, our VMS suite enables clients to reap the benefits of anywhere, anytime, and any device video surveillance with high accuracy, ultilizing optimal hardware resources and at optimal processing speed.

### This VMS system includes 2 main modules:

— Device management system

— AI-based monitoring system

## Feature highlights

- ✅ Centralized system management
- ✅ Unlimited Scalability
- ✅ Health monitoring and alerts in real time
- ✅ Customizable user management
- ✅ Live stream in real time
- ✅ UI/UX friendly

**Device Zone**

**Edge SmartCCTV**

NVR Camproxy NVS MonitorDisk PtzOnvif

**SmartCCTV**

NVRCtrl NVSContrl MonitorCtrl AuthZ APIControllerSvc PtzCtrl

CamproxyCtrl AuthN FtpServer Web Eureka APIGateway

**Control Center**

**Data storage/Storage**

NVR Storage

Event Storage
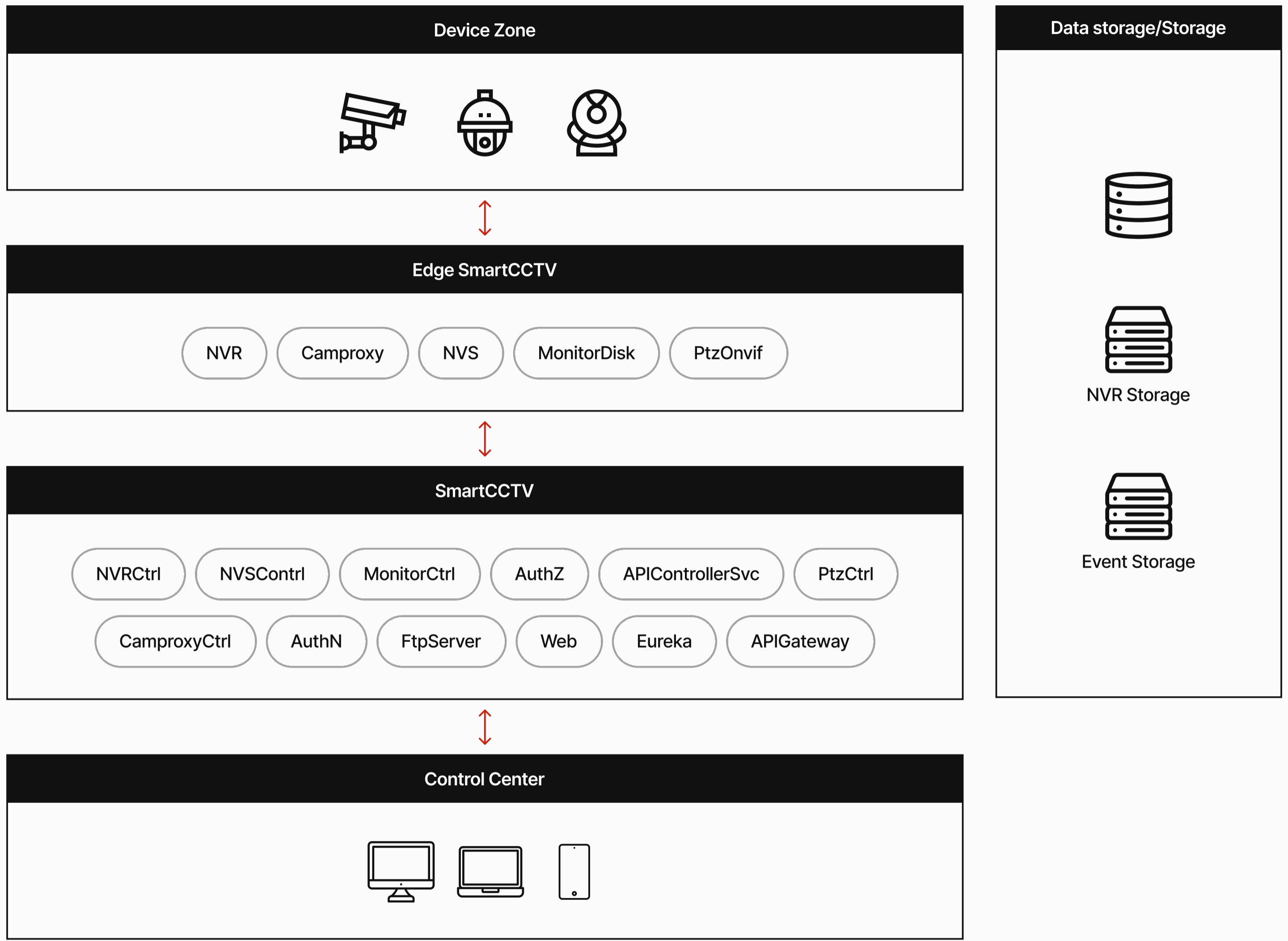
**SOLUTION**

# AI-based Monitoring System

## Video Analytics System

### Video Analytics use cases

- ✓ Face mask detection
- ✓ Traffic management
- ✓ Parking management
- ✓ Crowd anomaly detection
- ✓ Fighting/ chaos detection
- ✓ Intrusion detection
- ✓ Fire & smoke detection
- ✓ Incident detection
- ✓ Age detection
- ✓ Attendance tracking
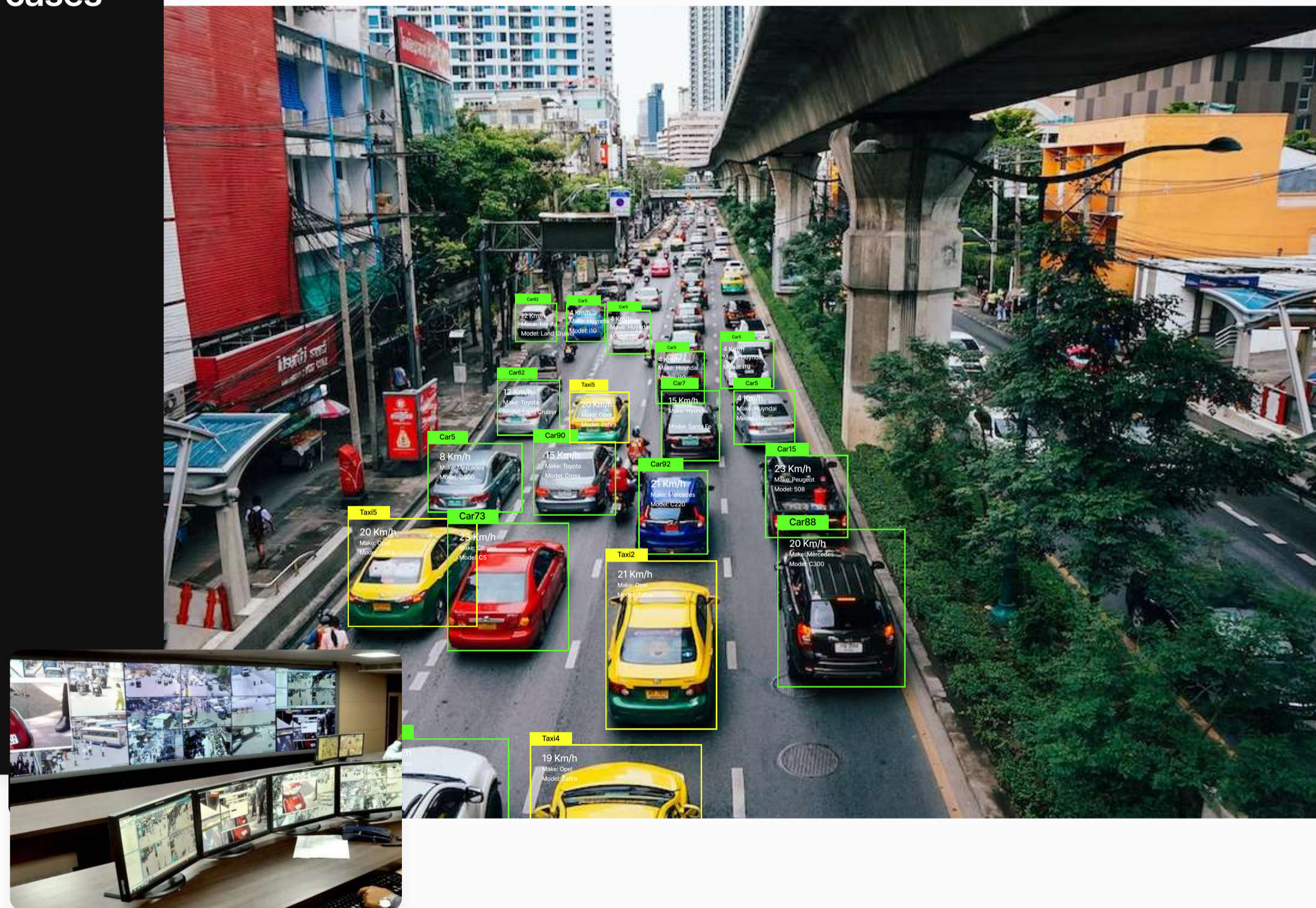
**SOLUTION**

# Smart Lighting

## Client background

Growing awareness about energy savings among both private and public sector has paved the way for the arise of energy-efficient lighting systems. At the same time, cities and municipalities update infrastructure and street lighting systems, the demand for smart lighting systems will certainly grow significantly in coming years.

Our Smart Lighting Solution leverages the cutting-edge technology such as Big Data Analytics, Machine Learning, AI and IoT to ensure a great ROI on efficient energy consumption as well as save on costs of maintenance of the lights

The system can be deployed in a wide range of scale from smart buildings (smart home, smart building) to smart streets (smart city).

## Feature highlights

- ✓ Control and monitor lighting equipment (via RF radio waves), measure & calculate energy remotely

- ✓ Assets management

- ✓ Display lighting points on an intuitive, real-time GIS map

- ✓ Encrypted data management system for collection, storage, and backup

- ✓ On-site equipment failure warning

- ✓ Energy saving analysis

- ✓ Safety and security for the entire system of electrical and IT

# 3. Low Code

Our team takes pride in bringing together a talented group of low-code developers, creative problem solvers, and experienced business analysts. With their combined expertise, we can deliver top-notch low-code applications tailored to your specific needs. Whether you're looking to streamline business processes, build data-driven dashboards, or create customer-facing mobile apps, we have the skills and knowledge to make it happen. We're committed to helping you harness the full potential of low-code development to achieve your digital transformation goals.

CRM Systems

Inventory Management Systems

HRM Systems

Project Management Tools

Expense and Financial Management

Workflow Automation & BPM

Customer Support & Helpdesk

Democratize software development for non-IT organizations with lower cost, quicker deployment time, and minimal technical assistance.

## Low code value in numbers

Allow creating cloud-native applications with

**70%** fewer resources

Reduce the development time by **90%**

**70%** of users without coding experience learned low code within 1 month

An average business can increase in value by

**$4.4M** by using low-code applications

**As Microsoft and Creatio delivery partner**, we deliver low code development services and solutions for companies of different sizes, from SMEs to big corporations. We can help your business too.

✅ Analyze legacy systems and identify opportunities across business functions for low-code development

✅ Develop a roadmap for your digital business models and automation

✅ Deliver applications within weeks

✅ Train your employees to be self-sufficient in developing and maintaining these applications

✅ Review and scale up your system

## Platforms we work on

Power BI          Power Automate          Power Apps

Power Virtual Agents          Dynamics 365          synodus Low Code Platform

# Custom HRM System

## Scope of work

To free up their operation from piles of spreadsheets and sluggish workflow, an IT service business wanted to build an Office Management System, integrated with Microsoft Teams to synchronize and streamline all internal processes.

## Challenges & Our solutions

The client demanded a rapid and agile development plan, delivering the HRM system as fast as possible to serve their scaling business.

- Using Microsoft Power Apps, Synodus leveraged its toolset to assemble a comprehensive HRM System under 8 weeks.

Whenever an action is made through the application, data should be automatically updated and transferred across authorized departments.

- We build a synchronized workflow where employees can make action/ log requests through Teams Channel, saved in SharePoint and powered by Power App
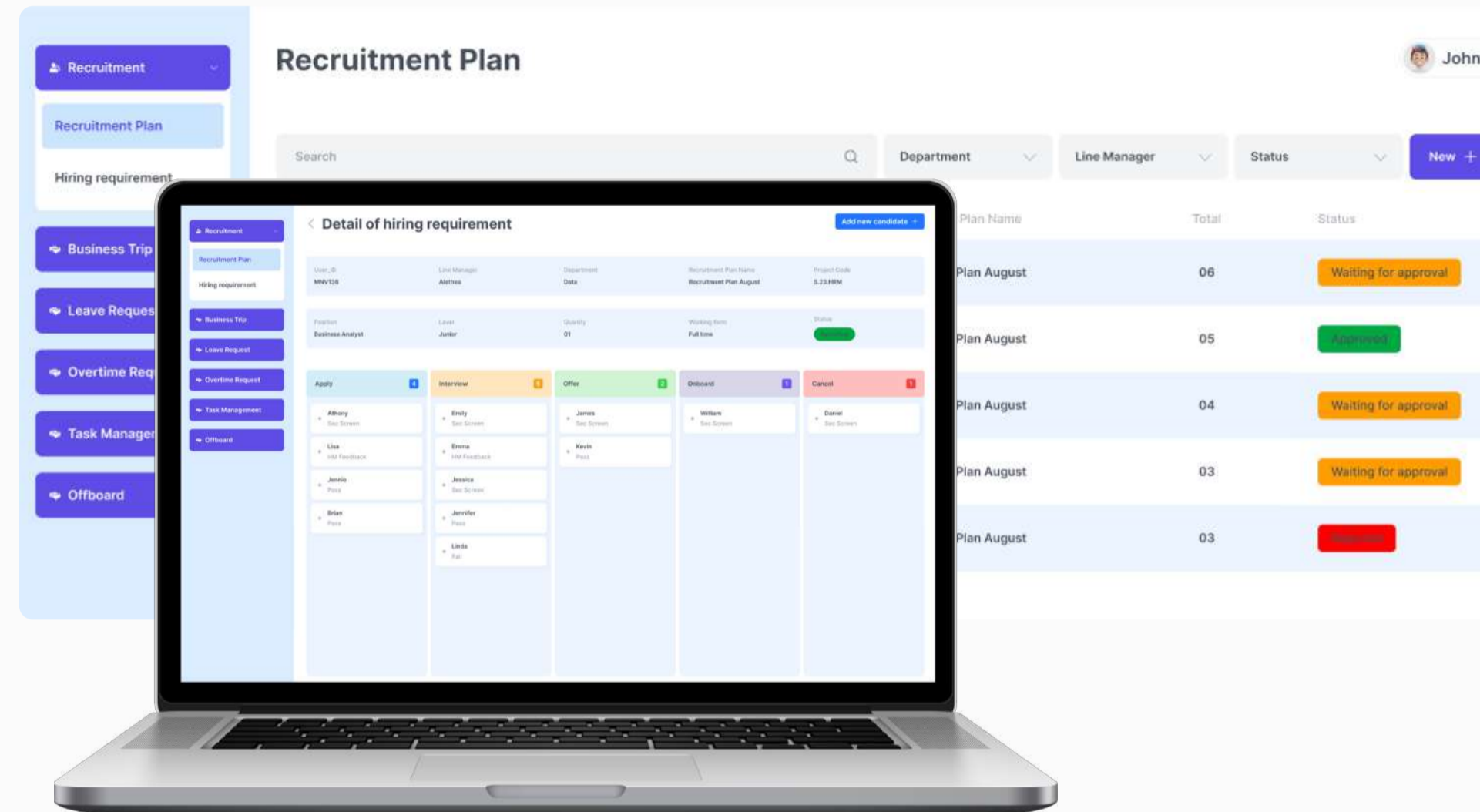


## Result

- 70% of HR processes are automated and digitalized.
- Fasten the request-approval processes.
- Employee satisfaction is much higher than ever before.

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# Task Management Application for 2000 users

## Scope of work

Being an airline business, their employees are constantly moving and work from everywhere, making it challenging for management and performance evaluation. To digitize their workplace, the client entrusted us to build an automated and centralized Task Management System.

## Our solution

◉ We use a combination of Power Apps, Power Automate, and Power BI to build a cross-platform task management tool. The application is connected to SharePoint and the client core system, ensuring all data is securely kept within the internal system.

## Key attributes

- Real-time data update and Dynamic BI dashboards (using Power BI)

- Task planning, scheduling & assigning (using Power Apps & Automate)

- Time tracking (using Power Automate)

- Users can access the task management system directly through Teams channel

## Result

◉ All tasks and workflows are managed in a single system, time spent on manual reports was reduced
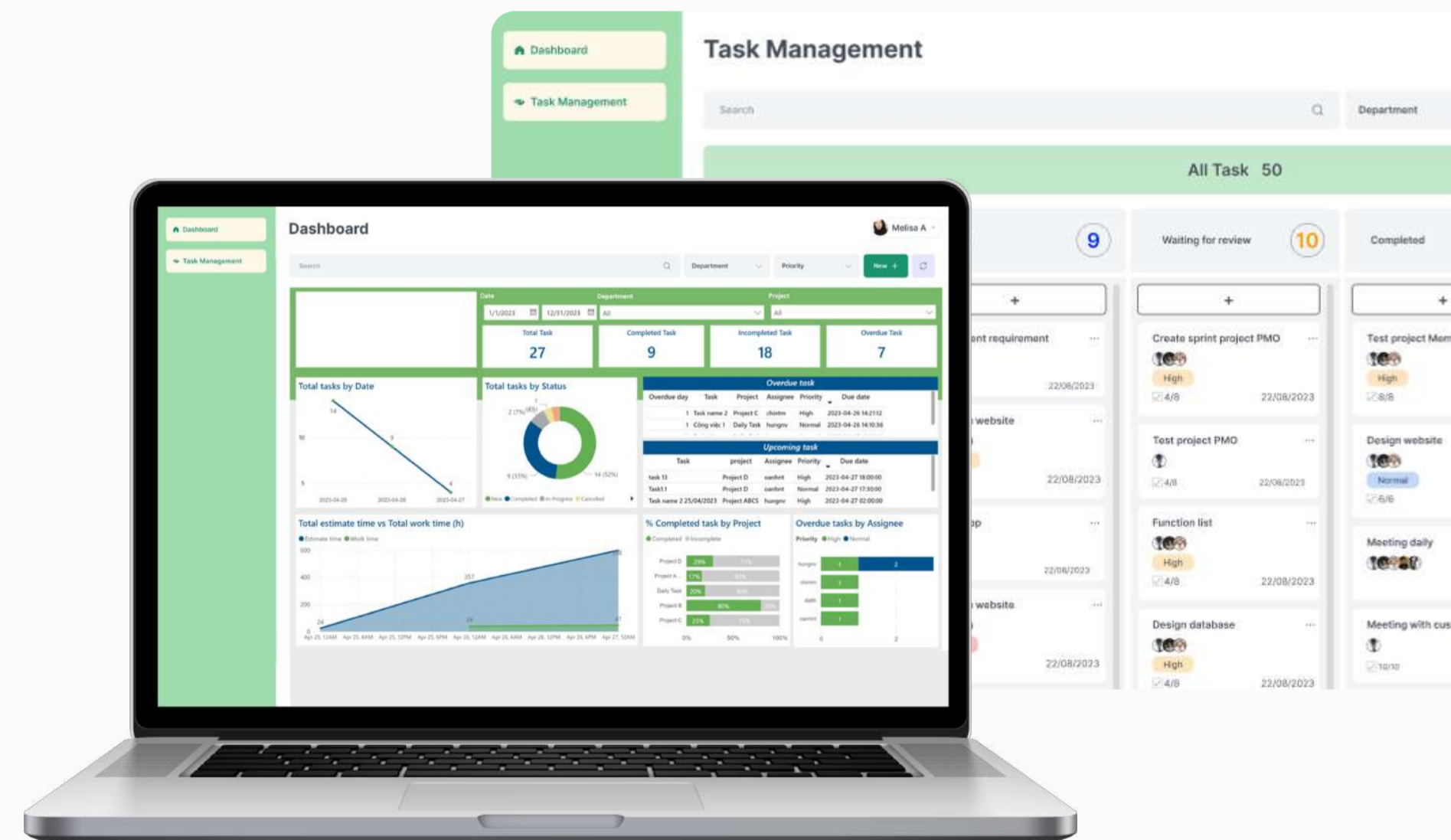
# 4. Blockchain Solutions

You need more than a great idea to achieve blockchain success.
Our great team proudly converge top Blockchain & Security experts and
talents based in Asia. We'll help you apply this technology to serve your
business transformation and blooming tomorrow.

Defi    Gamefi    Peer to peer leading

Digital assets (NFT)    Food trust    Music Copyright

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## • Our service in focus

Synodus provides one-stop blockchain solutions, ranging from Blockchain Consulting to User Experience and Design, Blockchain Development, Deployment, Maintenance, and Upgrades.
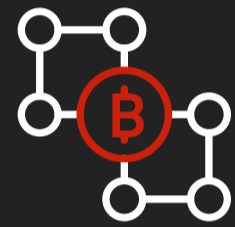
Blockchain-based
Products Development

Platforms
Development

Blockchain
Professional Services

Blockchain with
Big Data, IoT & AI

**synodüs**

No strangers to all major frameworks, we pride ourselves on having a wide range of successful projects in our portfolio, ranging from a Crypto Bank to an Online Booking Platform, and more beyond imaginable.

## 08+
years of expertise in Blockchain development

## 50+
blockchain specialists with 25+ portfolio projects

## 88%
startups raised more than $5M

### Ready-made solutions accelerate time-to-market
(NFT Marketplace, Crypto Exchange, Crypto Wallet, STO Platform)

### Having ConsenSys, Avalanche, R3 and Corda under our belt

## Our expertise spans multiple blockchain platforms & stacks

**BLOCKCHAIN PLATFORMS**

Hyperledger, Ethereum, Polkadot, Bitcoin, Ripple, Corda, NEAR, Solana, Avalanche, Polygon, ConsenSys

**TECHNOLOGY STACK**

Solidity, Rust, C++, C#, Angular, React, NEXT.JS, Node.JS, Java

**CLIENT SUCCESS**

# Defi For You

The world's 1st decentralized peer-to-peer lending platform
to bring hard assets to blockchain

## Client background

**DeFi For You.**
defiforyou.uk

DeFi For You.™ - A new decentralized P2P loan economy and the first-ever P2P NFT trading platform built on the Binance Smart Chain, powered by $DFY smart contract token.

We are strategic technical partner of Defi For You who have brought this breakthrough idea to life by leveraging our knowledge, expertise and experience.

## Defi For You infrastructure

> **Peer-to-peer loans:** Users can borrow and lend from each other.

> **Lending from liquidity pool:** Stake your crypto and earn interest or borrow immediately at fixed interest rates.

> **Soft (digital) NFT market:** Trade and borrow against NFTs. Tokenize soft assets like carbon credits and trade instantly.

> **Hard asset NFT market:** Tokenize hard assets as NFTs and store them with our partners to get a crypto loan against them.

**861,416,467**
Total token supply

**28,700**
Wallet holders of DFY tokens

**120,000**
Transactions have been made with DFY

**139,381,732**
DFY burned so far in quarterly burned

synodus

# Real Estate Tokenization

Real Estate Game-Changer: Bringing the Whole Value Chain on Chain

## Customer Background

Our valued partner, a prominent real estate powerhouse in Vietnam, boasts a rich history in real estate development and leasing. With years of industry experience, they identified the pressing challenges faced by stakeholders throughout the real estate chain, setting the stage for a visionary collaboration with Synodus.

## Challenge

Real estate, an ever-evolving landscape, faces unyielding challenges. Limited accessibility, formidable financial risks, and the fog of opacity have long hampered the industry's growth, making it an exclusive playground for high-net-worth individuals. The game needed a changer.

## Results & Impacts

The collaboration bore remarkable fruits:

▶ A robust business model in compliance with industry standards.

▶ An MVP launch that set new standards, pioneering real estate investment in Vietnam.

## Solution

Synodus assembled a team of cross-disciplinary experts. Together, we conceived a comprehensive solution:

❯ **Security Token Offerings (STOs):** Breaking down real estate assets into bite-sized, accessible pieces.

❯ **Real Estate Tokenization Platform:** A canvas for crafting customized investment portfolios down to single buildings.

❯ **Secondary Market Exchange:** Breathing life into additional liquidity.

❯ **Real Estate Launchpad Schemes:** Smart contracts automating the way, ensuring efficiency, lower settlement times, and data transparency.

▶ A revolutionary approach that granted broader access, slashed transaction costs, and fortified financial stability.

▶ The MVP buzzed with excitement, rallying visionary pre-seed investors who recognized its immense potential.

# 5. Data Analytics Services

Our team of certified engineers and analysts are experienced in data projects across diverse industries and well-versed in a range of techniques while continuously re-equipping ourselves with state-of-the-art market solutions and researches.

## Analytics Solutions

BI Dashboards & Reporting

Data Science

## Data Transformation

Data Lake Warehousing

Data Unification

## Data Strategy & Roadmap

Microsoft
Partner

Gold Data Analytics

Microsoft

**synodus**

Work with top 1% of 100,000 Microsoft Partners worldwide. Dive deep into your data by delegating us to set your Data-led Transformation agenda, define priorities, and activate fact-based innovation within your organizations.

## Business domains

E-commerce  Financial Services & Banking

Public Sector  Crypto Trading

## What we deliver

- ✅ A cross-functional data platform that connects the enterprise through a secure, single source of truth

- ✅ Comprehensive Report Suite custom-designed for your business needs

- ✅ Advanced Analytics taking advantage of techniques: Data mining, Statistical modeling, Machine learning & AI

- ✅ Dedicated and highly-qualified talents with a wide array of professionals

## Tech stack

**BIG DATA**

Apache Hadoop, Apache Spark, Kafka, Snowflake, Tableau, Power BI, Azure services, AWS services

**DATA MANAGEMENT**

MySQL, PostgreSQL, Oracle, Azure SQL Database, Amazon RDS, MongoDB, Apache CouchDB, Amazon DynamoDB, Azure DocumentDB, Azure Table storage, Firebase, HBase

**MACHINE LEARNING**

TensorFlow, ML.NET, Azure Machine Learning, OCR, NLP

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# Retail Client

Reduce warehousing costs by 23% thanks to data modelling

## Client Background

Our client is a retail company with outdoor camping equipment products that have been consumed in Australia with average annual revenue of 39 million AUD.

## Challenges

Regarding the current situation, the company has a lot of data from different sources, which makes it difficult for the owners to monitor the business situation and make decisions based on the data.

- **Warehouse:** Although all the data was already centralized and stored in different .csv files on AWS3, the format has not been friendly, making it difficult to query and affecting the loading speed.
- **Reports:** They do not have enough capability to optimize every report they have made (it takes nearly 30 seconds to load a page on average), let alone the fact that they just have sales & marketing-related reports.
- **Storage Costs:** The fact that the main products are pieces of outdoor gear, which require a very large area to store means it cost them a huge amount of money.
- **The company structure:** The client has a complicated business structure that is not easy to manage and distribute the report system

## Our solution

- ✅ **Building Data warehouse:** We built a data warehouse on SQL database, in which all the data would be updated every 10 minutes.

- ✅ **Delivering Reports:** We optimized the data model, DAX and a wide range of charts in existing BI reports. Moreover, our data analysts built a reporting system in Power BI for the client to cover all business areas, which include but are not limited to sales & marketing, finance, and customer support

- ✅ **Optimizing storage costs:** Creating a model to forecast the number of sales and revenue periodically to help the client estimate the number of goods imported in a period of time.

- ✅ **Guiding the client to have a more effective organizational structure:** We consulted our client to use row-level security (RLS), which helps to make sure that each staff can only access data that they are granted to do and assign permissions by each department.

# Business Impacts

✅ **Well-designed data visualization improves understanding:** With more user-friendly & customized reports for each department, the managers and team in each department could answer critical questions such as: Which products bring the most revenue? What is the most common reason for buyers to return purchased items? Which courier has the lowest shipping cost and highest-rated delivery experience?...

✅ **Reduce warehousing & transportation costs:** We used a model to forecast sales which reduced the cost of warehousing by 23%. A new calculation formula was also developed to optimize the gap between courier shipping costs and customers' shipping fees.

✅ Manage the stock on hand, know when to import (purchase) goods, so they can promptly respond to orders to buy products that are about to be out of stock; track which pairs of products sold together are the most effective. That helps them to **increase 25% revenue on average**.


Sale Overview
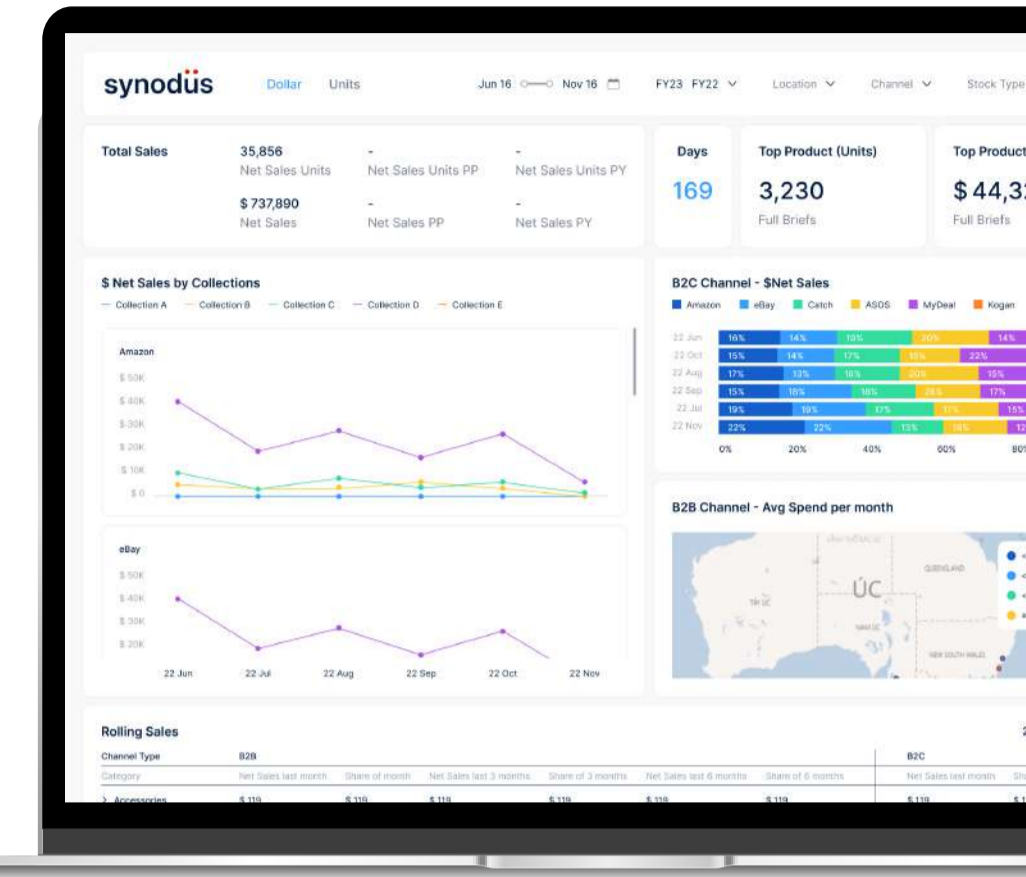

Sales by Channel


Customer Performance Overview


GMROI

**CLIENT SUCCESS**
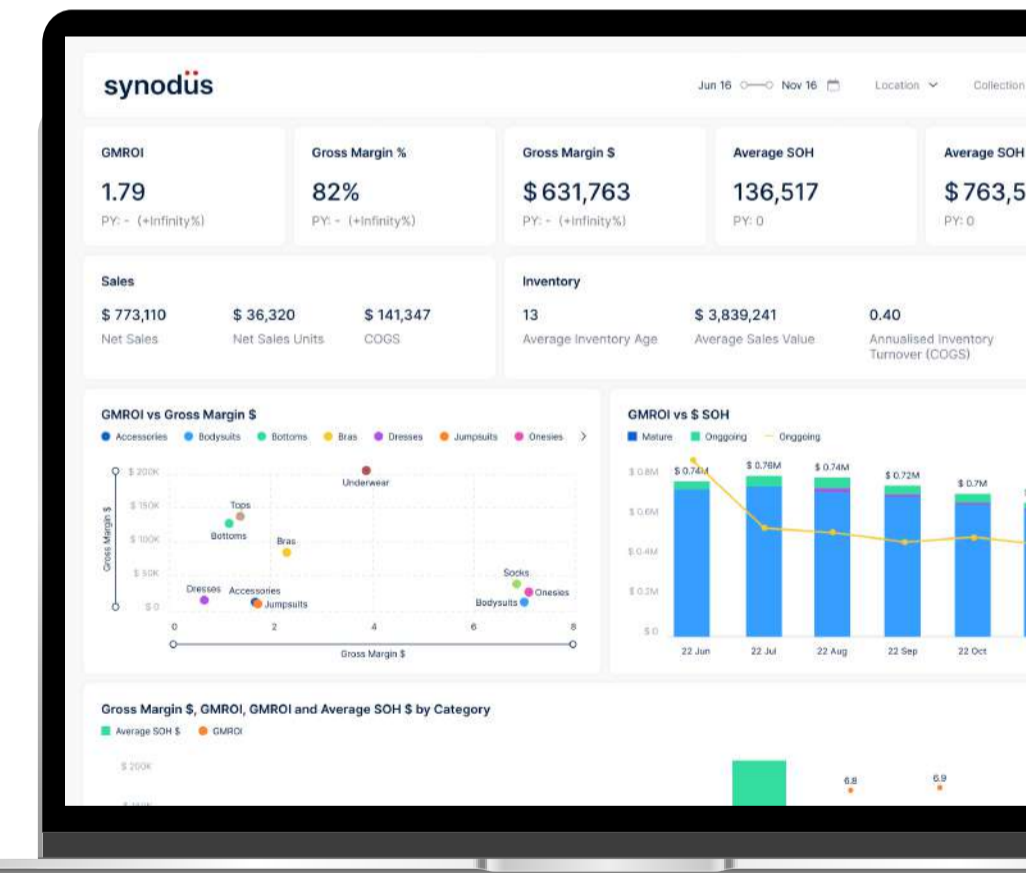
# Commercial Bank Client

Helped Vietnam's largest commercial bank boost its organizational effectiveness by speeding up report preparation by 25%

## Client Background

Our client is one of the largest joint stock banks in Vietnam and a market leader in digitalization applications. They are providing a wide range of financial services to both individual consumers and large commercial institutions.

## Our solution

We implemented a **two-way approach:**

- ✅ On one hand, we provided a full deployment of an on-premises Power BI Report Server. Our Power BI experts worked with the bank's BI department to develop centralized dashboards that oversee wealth management and retail banking products.

- ✅ On the other hand, we hosted Power BI training for bank analysts to help them manage the work effectively by themselves later.

## Challenges

- The client had difficulty managing massive volumes of transaction data due to little governance before. Managers also shoulder the burden of making real-time responses.
- Additionally, they lacked resources with Power BI expertise to perform the migration.
- Regarding the current situation, the reporting mechanism takes up to one month to deliver information to managers while data is still siloed.

# Business Impacts

Over **15 automated reports, updated weekly** and easy to manipulate, convenient for monitoring and making decisions, were built. These reports are related to different areas of the bank, which include but are not Lending, KYC, and Wealth Management.

Besides, **business users could create their customized, on-demand reports with easy drag-and-drop actions** using our predefined measures. **Report preparation time decreased drastically.** Reports used to take weeks to finish could now be delivered within days. That really mattered as business users could reduce the over-reliance on technical data analysts.
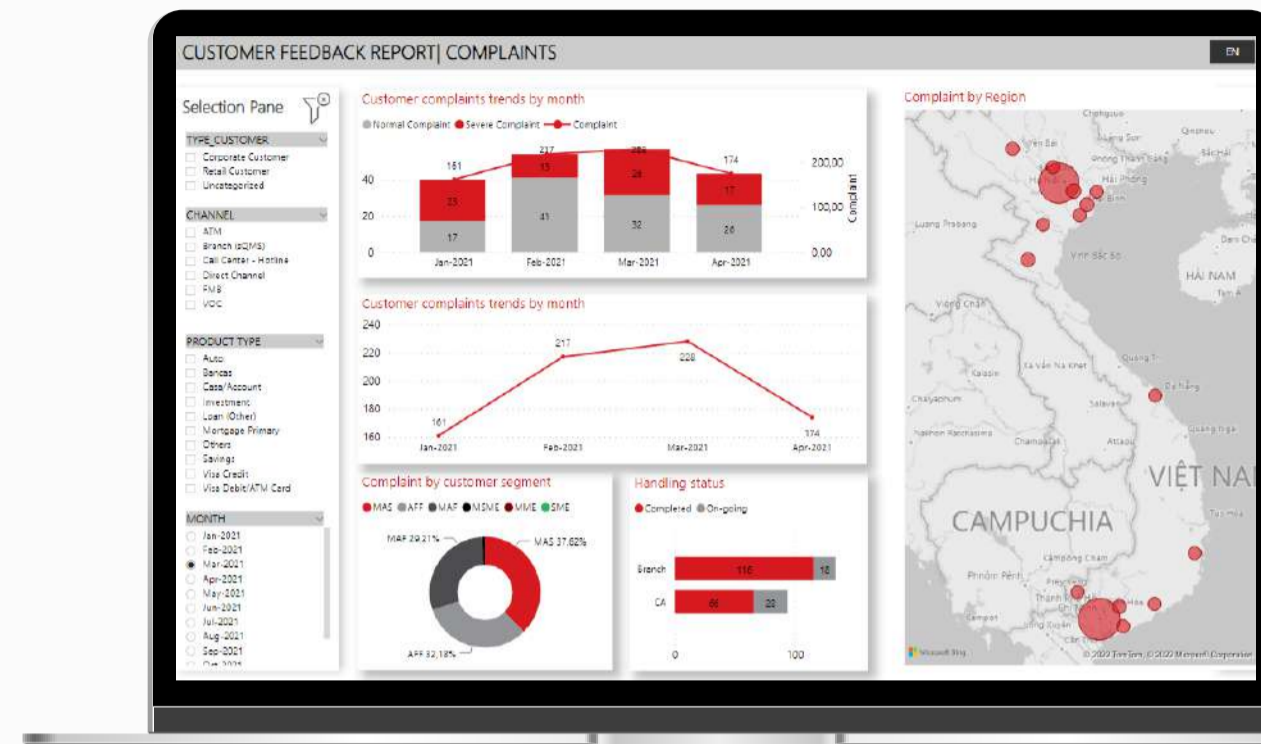


Customer Feedback Report



Bank Retail Report
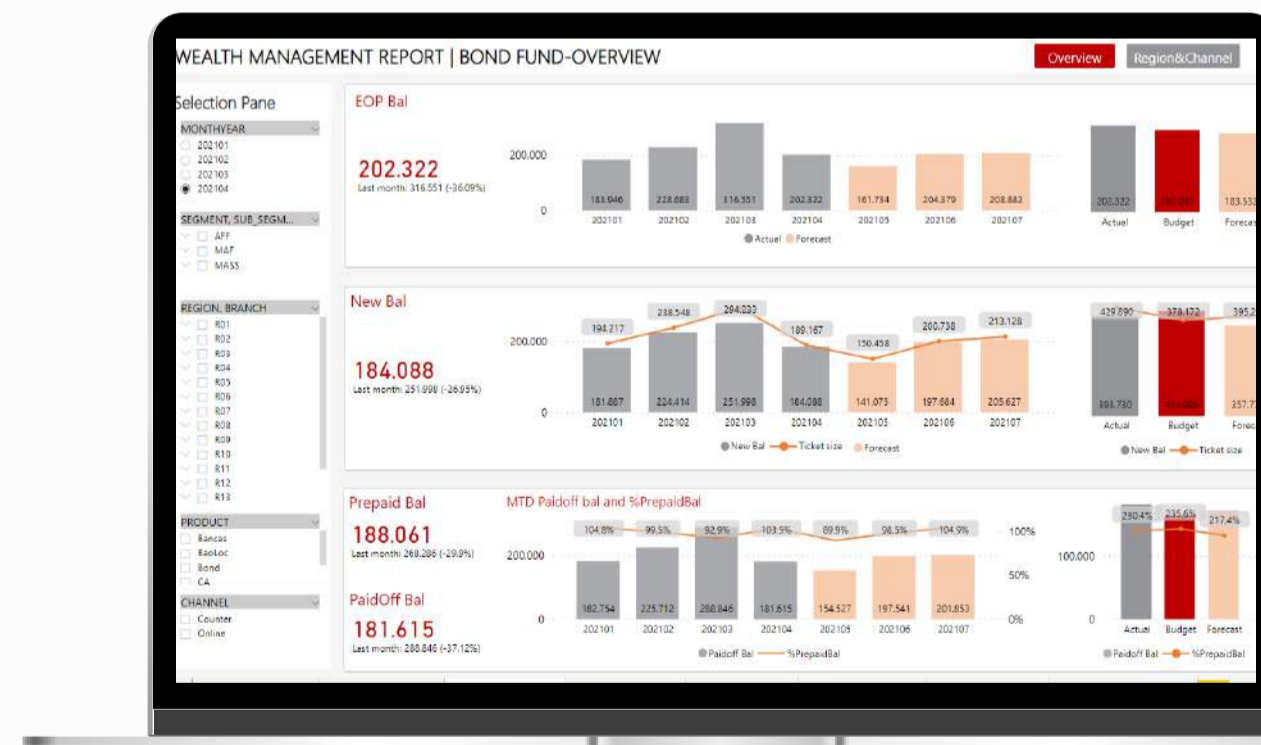


Wealth Management Report



Wealth Management Report

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# 6. Custom Software Development

We are well-versed in building custom software. Whether you are a leading enterprises or a new start-up, you can delegate your mission-critical projects for us. We offer a matrix structure that ensures delivering the perfectly fit solutions and products to your specific needs and standards.
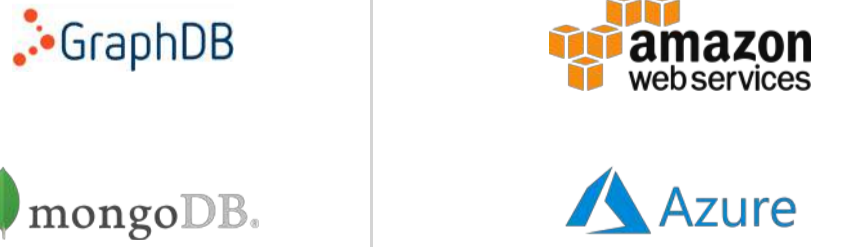
Mobile App Development       DevOps
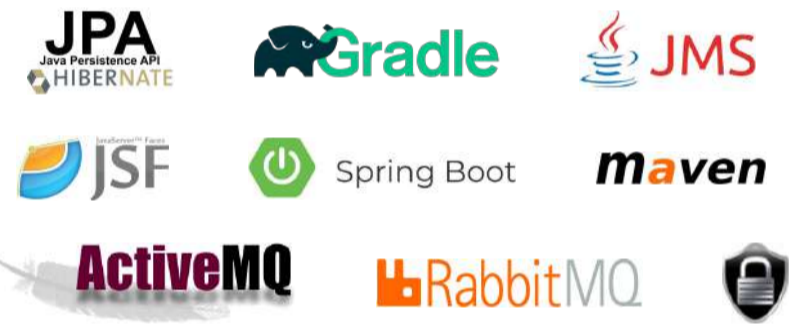
CRM Development & Business Automation

Web Development & Accessibility       IT & Software Development Consulting

# Our Extensive Technical stacks

| | Front-End | Back-End | Database | CI/CD/Deployment |
|---|---|---|---|---|
| **Software Design** | (DDD) Domain Driven Design - (SOA) Service Oriented Architecture<br>TDD - BDD - Enterprise Service Bus - Microservices | | | Jenkins |
| **Programming Language** | HTML5, CSS3, JS, TypeScript, iOS Objective-C, Swift 2.0, Java, REST API | REST API, Java, Microsoft .NET, php, python | PostgreSQL, Microsoft SQL Server, SQLite, neo4j, ORACLE, cassandra, MySQL, GraphDB, mongoDB | Octopus Deploy, TeamCity |
| **Coding Framework** | jQuery, jQuery mobile, jQuery user interface, Bootstrap, node.js, spring, React Native, hydra powered by redis, ANGULARJS by Google, Xamarin | JPA HIBERNATE, Gradle, JMS, JSF, Spring Boot, maven, ActiveMQ, RabbitMQ | | kubernetes, docker, MARATHON |
| **Testing Automation & Test Management Framework** | Jasmine, KARMA, Protractor end to end testing for AngularJS, JUnit 5, APACHE JMeter, Selenium WebDriver, RedwoodHQ, cucumber Simple, human collaboration, POSTMAN, SoapUI, TestLink, ZEPHYR | | | VAGRANT, Apache MESOS, Apache Tomcat |
| **Project Management** | agile Scrum, Jira, Confluence, Bitbucket, git | | | amazon web services, Azure |

**synodus**

# KPMG & AIA

## Payment Portal Development

### Business overview

Client were about to build a new payment portal which can be accessible through multiple entry points, with a customer-centric, consistent look and feel. Features required in the back end included automated notifications, dashboards, administrator page, etc… to streamline the end –to-end flow.

## Tech stack
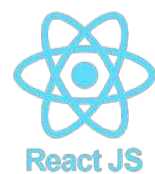


## Challenges

- Multiple platforms for various products
- No single payment portal to be shared across platforms
- Needs to support multiple type of transactions and payment methods
- Complex client applications infrastructure
- Need to be easily configurable to include new transaction types, payment mode and leverage on business rules
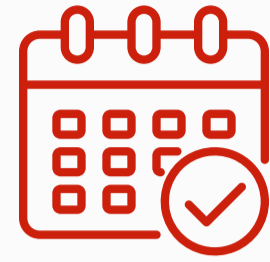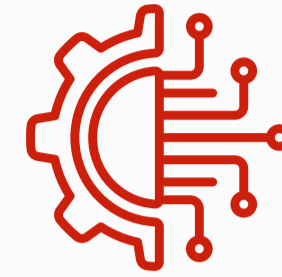
# ● Payment Portal Overview

![synodus]
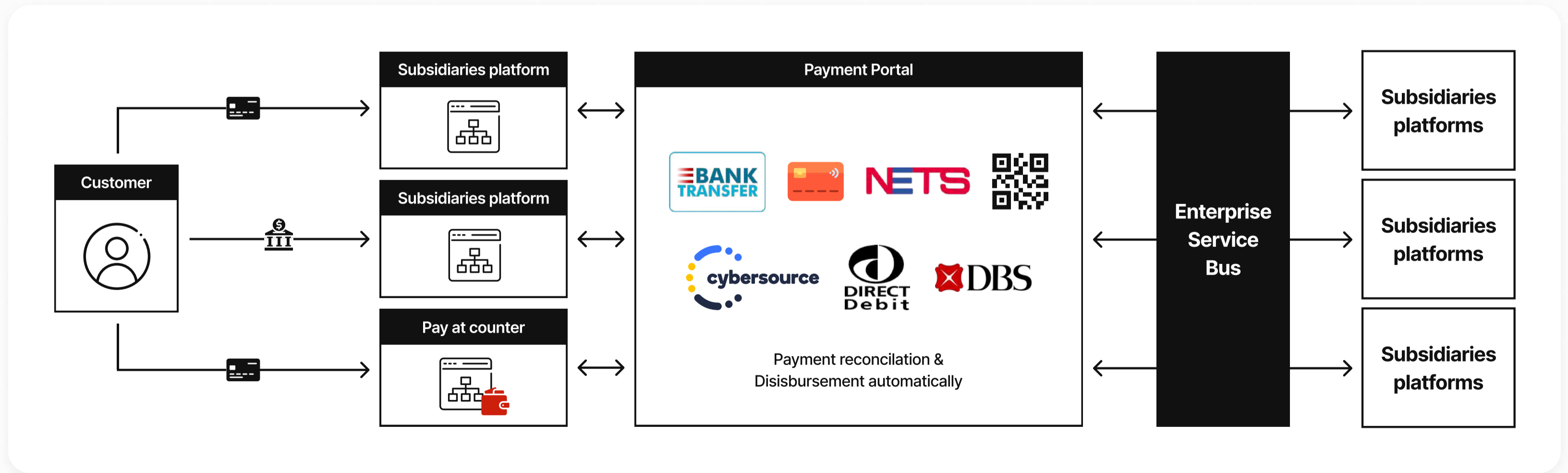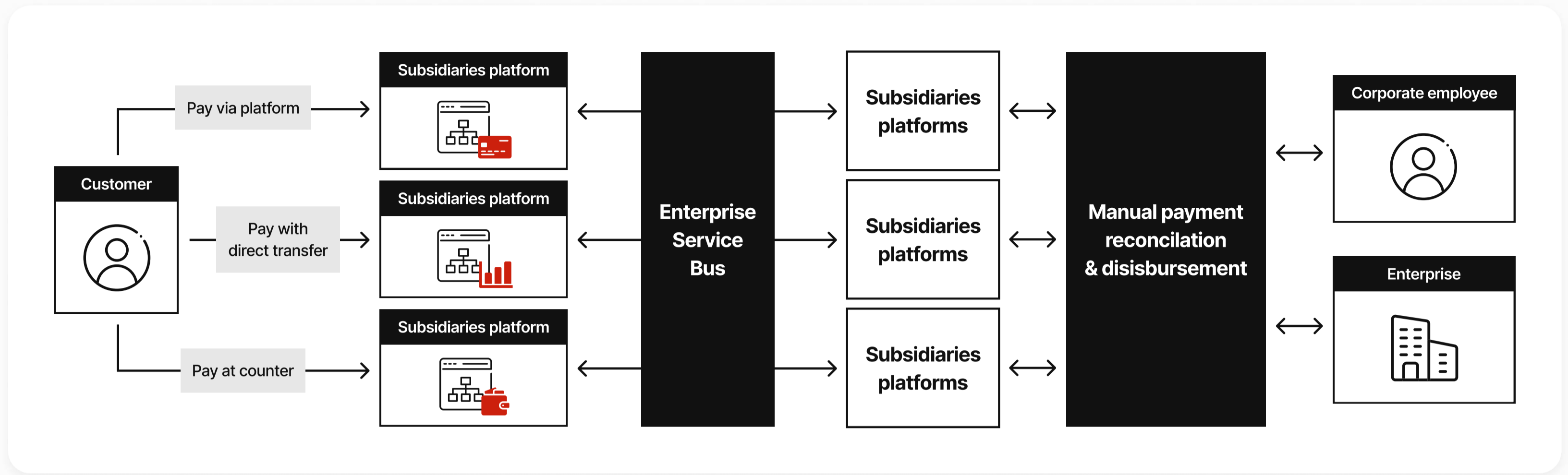
**End-users**

100,000+ AIA users
in Singapore

**Development Period**

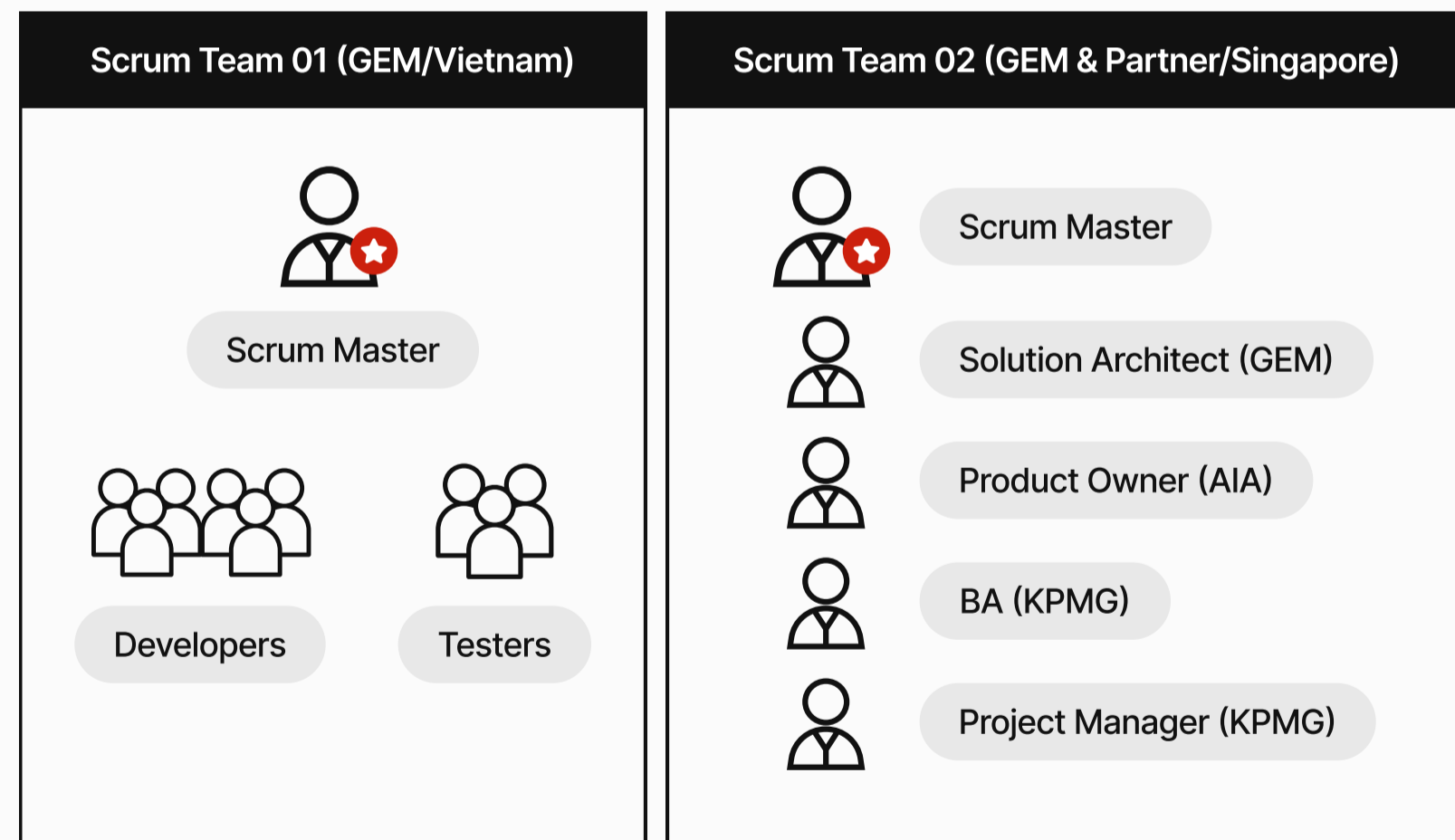01 discovery Sprint,
05 development Sprints

**Technologies**

Java, VISA's CyberSource
Platform, ReactJS & Adobe AEM,
AWS Deployment

**Project Size**

17 (GEM + AIA + KPMG
+ Partner)

## Project Structure

### Scrum Team 01 (GEM/Vietnam)

Scrum Master

Developers

Testers

**Development + PoC Focus**

### Scrum Team 02 (GEM & Partner/Singapore)

Scrum Master

Solution Architect (GEM)

Product Owner (AIA)

BA (KPMG)

Project Manager (KPMG)

**REQ Development Design
Documentaion Focus**

## Agile Development Activities

- Planning & Retrospective with customer's presence (ALL)
- Effective daily standup & progress tracking with burn-down chart (ALL)
- Weekly product backlog review & prioritization (SM/BA/PO/PD)
- Well-developed Definition of Done (SM/PO)
- Automated reporting using JIRA (SM)
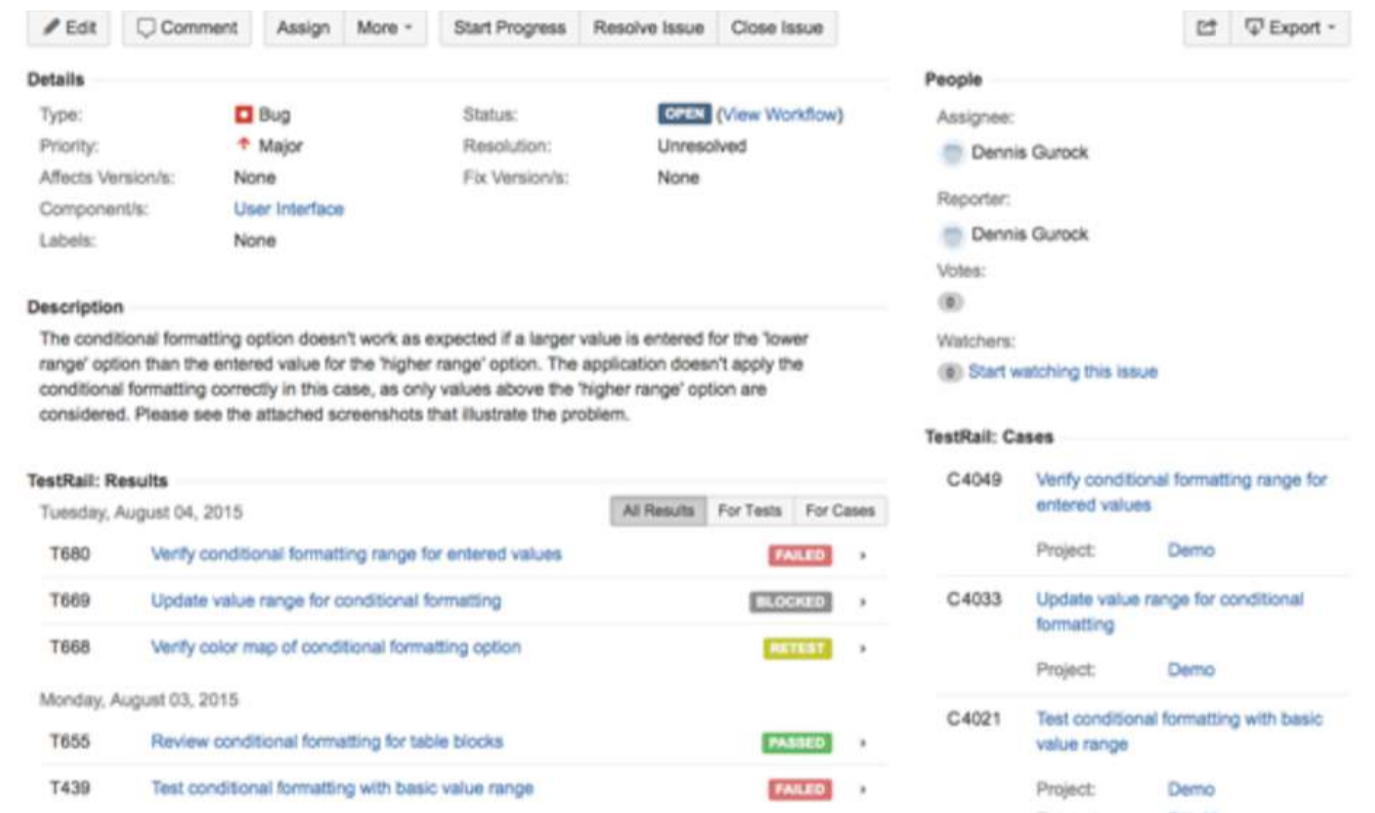- Automated testing report using JIRA (QC)
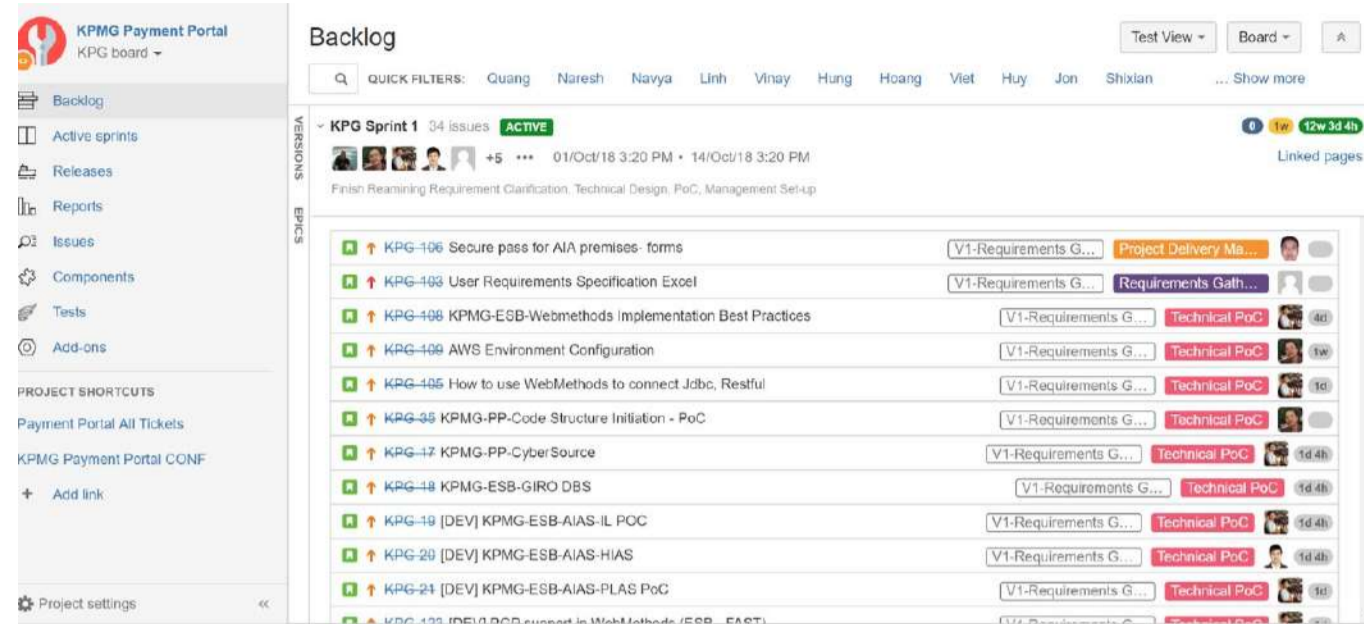
**Typical JIRA Backlog**

REQ & CR Management



**Burndown Chart**

True Progress Monitoring



**Test case Management**

Centralized Management



**Quality Report**

Automated Reporting

# 03

# Cooperation Models

**We offer a range of cooperation types**

# ● Engagement models

We are open to discussion about our cooperation based on your specific project requirements and specifications, resources available, and timeframes. You will be very happy with our flexible and client-oriented engagement models.

## Fixed price

Best used when it's a small or medium-sized project or MVP and you have clearly defined your needs and expectations to the developers.
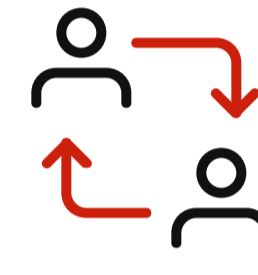
## Time & Materials

Best used when there are no detailed project documentation/ project specifications and requirements are constantly evolving and changing.

## Dedicated Team

Best used when the project idea is well thought and defined, all project requirements are available for development and you have in-house specialists to manage the development process.

## Build-Operate-Transfer

Best used when your in-house team plan to operate and own an off-shore development team and needs aid from a reliable tech partner before taking full control of the team.

# • Management team

## Cong Nguyen
Founder & CEO

With 19 years of experience in both software development and management, he leads Synodus through explosive growth and then stay resilient in times of uncertainty.

## Phan Pham
CTO

He is technically skillful and has a strong background in software engineering. Phan takes the role of the whole company's technical leader and helps clients' technical leaders innovate.

## Tung Duong
Head of Blockchain & Co-founder

A blockchain enthusiast with 08+ years of expertise in blockchain, who is passionate about applying this advanced technology to the real world.

## Robert Brim
VP of Business Development & Advisor

He used to be our client and own a very successful software company in the US before becoming our VP. With full dedication and great expertise, he provides clients with in-depth business and technical consultations specific to their needs.

# synodus

## • Clients Testimonials

### James Vuong
CEO & Founder

"Thanks to Synodus, we were able to bring an innovative product to the market in time which resulted in a higher number of end users that love our product."

### Adam C. Chaplin
CEO & Founder

"We came to Synodus from our very first days of ideation. They created a new approach to software development for startups and assisted our team in not only technical planning and project implementation but also feasibility study."

**DeFi For You.**
defiforyou.uk

### Quan Le
General Manager of Noventiq Vietnam

"It was a very intense and effective collaboration. All the team were focused on the goals and delivered the best performance."

**NOVENTIQ**
Global expertise, local outcomes

# Thank you!
# We're excited to
# have you as our
# new partners

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