

HYS Enterprise Develops Unified Billing and Provisioning System for NLE

We developed a unified billing and provisioning system for NLE services to help them save time and resources.

Business Solutions

- [Automation of Employees Performance](#)
- [Billing and Provisioning](#)
- [Customer Success Service](#)
- [Supply Chain Control](#)

Technologies Used

- [.NET](#)
- [ASP .NET](#)
- [Bella](#)
- [C#](#)
- [JavaScript](#)
- [MS SQL](#)
- [WebAPI](#)



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Billing and provisioning are crucial processes in the telecommunications industry. Lack of automation in these processes may cost a lot of time and money.

Read this success story to learn how to stop wasting time and resources on maintaining several systems and platforms and find out how we developed a unified billing and provisioning system for NLE.

About the partner

NLE is a Dutch Energy Company, the fourth-largest energy supplier in the Netherlands with 400,000 household customers and 20,000 commercial accounts. In addition, NLE offers telecommunications, internet, and television services and develops progressive products and services such as smart thermostats and apps, data services, solar concepts, and electric mobility solutions.

- Founded in 2005
- Based in Rotterdam, the Netherlands
- Awarded Best All-in-One Provider 2016 by Providers.nl
- 400,000 household customers

About the partner's challenges

NLE provides energy, telecommunications, and internet services (TriplePlay, Anna, and HollandWarmtie). The billing and provisioning processes for these services were implemented on several platforms including SAP and Mendix. But supporting these platforms was too expensive.

What our partner needed

Our client wanted to create a single billing and provisioning system for TriplePlay, Anna, and HollandWarmtie that would perform all process flows starting from incoming orders and ending with a supply of service.

Methodologies and technologies we chose

Methodology: Scrum

Technologies: Bella, WebAPI, C#, .NET, MS SQL, ASP .NET, Single-Page Application approach, Angular 5, microservice architecture

What we did

- Conducted business analysis of existing systems and client requirements

- Developed an architecture for the project
- Configured continuous integration and deployment to automate and manage the work of 24 engineers on 9 quality assurance environments with more than 40 services each to help teams collaborate easier and faster
- Developed billing and provisioning systems that perform all necessary technical and financial checks for new customers with external systems, place orders to external systems, process the contract signing flow, perform billing and invoicing, send reminders for unpaid invoices, notify customers via email about events, export all financial events to the general ledger, perform reporting, and save backups of all data in the data warehouse
- Developed logic that integrates and unites data from all NLE services (release planned for November 2018)

Results and profit for the partner

The new unified system will help our client optimize costs and time.

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Swishfund gets a brand new website that is more transparent for their clients and more structured and easy-to-use for their employees.

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- [Business Process Automation](#)
- [Client Interfaces](#)
- [Market Scalability](#)
- [Platform Integrations](#)



The Dutch owners are a big plus for us because we can talk in our own language and they understand our culture, our habits, and what we value.

Luuk Roestenberg

Manager Digital at Maxeda DIY Group



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