EXPANDI 4.0

Supported Public Entities

Deliverable D3.2 (D6),

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PLÁN OBNOVY

EDIH EXPANDI 4.0
Expanding Industry 4.0 in Slovakia

www.expandi40.sk

Slovenská inovačná a energetická agentúra	SIEA
SOVA Digital a.s.	SOVA
Soitron a.s.	SOITRON
Matador Industry a.s.	MATADOR
Národné centrum robotiky	NCR
Združenie Industry 4UM	I4UM

Annual Report and Financial Report

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EXECUTIVE SUMMARY

This deliverable provides an overview of the progress of service delivery through our European Digital Innovation Hub for supporting the expansion of the principles and tools of I4.0 and developing the relevant innovation ecosystem for I4.0

EDIH EXPANDI 4.0 is referred to below as EDIH EXPANDI.

The document is provides the outputs from the power BI as of Dec. 17, 2024t

The report aims to offer valuable insights into our project's progress.

INTRODUCTION

The European Digital Innovation Hubs (EDIHs) aim to prepare European society and economy for a leading role in sustainable technology development and the twin transition of digital and green progress. The overarching goal of EXPANDI 4.0 is to facilitate digital transition across all Slovak regions by supporting local small and medium enterprises (SMEs), small mid-caps and Public Sector Organizations (PSOs) in their digital transformation, including the consideration of their environmental impact. In a rapidly evolving global landscape, the competitiveness, internationalization and scaling are critical priorities for companies. EXPANDI 4.0 aims to provide the holistic set of the services that could accelerate digitalization and increase the competitiveness of SMEs on local and international markets and support t develop innovative ecosystem of I4.0 bringing together all stakeholders and networks.

After a project duration of 24 months (but actually on 18 months of full implementation, after the co-financing grant was concluded), this deliverable reports on the overall status the project.

Intended Audience

This deliverable is addressed to three main audiences: 1) the consortium members, 2) the commission services and the independent reviewers of the project and 3) the public interested in the work of the EDIHs. As a public deliverable, its content is intended to be made available to other parties via the project website.

Goal

This document aims to is to demonstrate how the services we provide contribute to the broader goals of the project and support EDIH's mission and vision.

OVERVIEW OF THE PROGRESS IN SUPPORTING THE PUBLIC ENTITIES

Current development of the performance shows, that WP 3 served 3 so far only 1 public entity. The service has been provided by SOITRON within Task 3.2 Cybersecurity Assessment.

The supported entity was City of Pezinok.

Based on the satisfaction of this entity, there are other kind of services for the City of Pezinok under way – implementation of the cybersecurity guidelines and penetration tests,
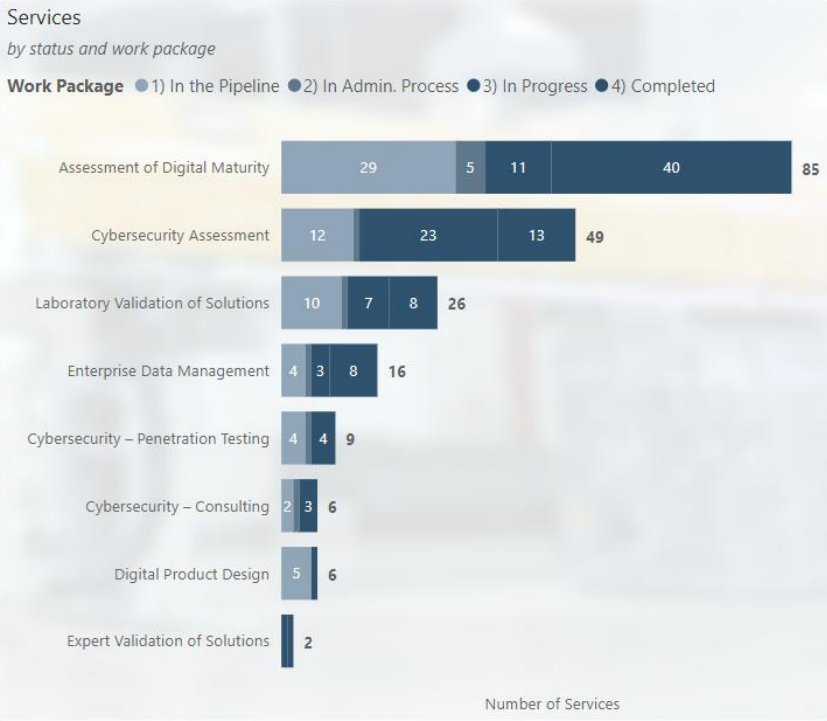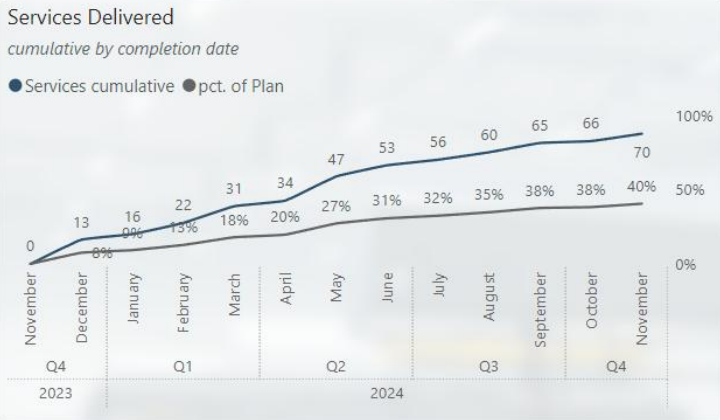
For more details see the power BI screen shot.

EXPANDI 4·0

Companies Engaged	Services Delivered	pct. of Plan	Services TBD	Best Est. Completion
96	70	40%	129	115 %

Companies
podľa kategórie Size

36 (37,5%) 59 (61,46%)

Size
- Small
- Medium
- Public Governance Structu...

Services Delivered
cumulative by completion date

● Services cumulative ● pct. of Plan

Values: 0, 13, 16, 22, 31, 34, 47, 53, 56, 60, 65, 66, 70
Percentages: 8%, 0%, 13%, 18%, 20%, 27%, 31%, 32%, 35%, 38%, 38%, 40%

Months: November, December, January, February, March, April, May, June, July, August, September, October, November

Q4 2023 | Q1 | Q2 | Q3 | Q4 2024

WP Category	Matador	NACERO	SIEA	SOITRON	SOVA Digital	Celkovo
WP3		2	2	2	65	128	199
WP4	1		68			1	70
WP5				29			29
Celkovo	1	2	70	31	65	129	298

Companies Engaged
by validation date

Companies values: 8, 15, 12, 18, 3, 5, 9, 1, 2, 4, 2, 8, 6, 2

Months: October, November, December, January, February, March, April, May, June, July, August, September, October, November, December

Q4 2023 | Q1 | Q2 | Q3 | Q4 2024

Services
by status and work package

Work Package ● 1) In the Pipeline ● 2) In Admin. Process ● 3) In Progress ● 4) Completed

Work Package	Values	Total
Assessment of Digital Maturity	29, 5, 11, 40	85
Cybersecurity Assessment	12, 23, 13	49
Laboratory Validation of Solutions	10, 7, 8	26
Enterprise Data Management	4, 3, 8	16
Cybersecurity – Penetration Testing	4, 4	9
Cybersecurity – Consulting	2, 3	6
Digital Product Design	5	6
Expert Validation of Solutions		2

Number of Services

2. WORK PLAN, WORK PACKAGES, ACTIVITIES

2.1 Work package 3: Test Before Invest

Task No.	Task name	Description of the work performed
T3.1	**Overall analysis of the clients' current state; setting the digitalization road map**	The implementation team at Sova Digital assesses the company's level of digitalisation and subsequently recommends further steps for digitalisation (roadmap). They provide advisory services by evaluating customer needs for further Expandi services. 40 services have been sold. We expect an increase in service sales in the next period
T3.2	**Cybersecurity assessment**	Since the beginning of the project, the senior cybersecurity team from Soitron-VOID SOC has successfully conducted 16 cybersecurity assessments for SMEs, delivering detailed analysis reports and 1 public entity. Currently, assessments for 5 additional SMEs are in progress. We have also received positive feedback from SMEs, as different vulnerabilities were identified and highlighted in each report. The reports also included tailored recommendations on how to enhance cybersecurity within the SMEs' IT infrastructure. Additionally, 13 more SMEs are in the pipeline to be approached and to agree on conducting a cybersecurity analysis. There were also 10 SMEs we attempted to contact multiple times, but we have not yet received any feedback despite several efforts from our side. The new service – PENETRATION TEST has been added to the offering since 09/2024 followed by the financial transfer from SIEA to SOITRON (personal costs, 100.000 € and related 7%) to cover extension of the services in this WP and Task.
T3.3	**Advisory on digital transformation and proof of concept**	The service is carried out in the form of personal meetings between Matador specialists and interested parties. It is based on practical demonstrations of digitalization and automation solutions and personal consultation and advice on solutions for the specific needs of the company. The given services are always operatively adapted to the actual needs of the interested parties.1 service has been done by Alžbeta Podobová and by Petra Pecháčková. Matador identified and modified original offerings to become more suitable and interesting for potential clients.
T3.4	**Digital solution application** (laboratories, test bed etc.)	A team of seven top experts from NCR (Chovanec, Babinec, Duchoň, Goga, Paulech, Dobiš, Morháč) and 3 experts from SOVA (Olšavský, Lokšík and Ferenčík) was created, who continuously during the duration of the project are dedicated to the implementation of digital solution application for EXPANDI4.0 customers. In total, 10 services of this nature were recorded. A total of 16 such services are to be provided. The deviation from this number is due to inconsistencies around the reporting of services in general.

		Currently, traders from SOVA DIGITAL are highly active in offering this service. A team of senior application engineers from SOVA Digital is actively delivering the service of laboratory validation of solutions for customers. We identify the most suitable applications of digital solutions in a test laboratory or test bed environment. A total of 10 services have been sold, and we see potential to sell 6 additional services in the next period.
T3.5	**Advisory on data management**	A team of senior application engineers is actively delivering the enterprise data management service. 8 services have been sold out of 16. We see potential to sell an additional 8 services in the next period.
T3.6	**Advisory on design of digital product**	A team of seven top experts from NCR (Chovanec, Babinec, Duchoň, Goga, Paulech, Dobiš, Morháč) and 3 experts from SOVA (Olšavský, Lokšík and Ferenčík) was created, who continuously during the duration of the project are dedicated to advisory on design of digital product. In total, 1 services of this nature were recorded. 16 such services are to be provided. The deviation from this number is due to inconsistencies around the reporting of services in general. Currently, traders from SOVA DIGITAL are highly active in offering this service.1 sold service will be delivered in the next period. The company that purchased the service is currently busy, which is why the implementation has not yet taken place. The service will be carried out by a team of senior application engineers from Sova Digital
T3.7	**Environmental assessment**	The key industries in Slovakia are automotive, mechanical engineering and electrical engineering, concentrating only on manufacturing. This industry does not cause a significant environmental burden. This service is provided as a side service within the WP 5 during technology scouting and during the preparation of grant proposals (grant management), where environmental aspects are mandatory part of the proposal (similarly to HE, DEP etc.)

History of changes

Date	Ver.	Author(s)	Change description
16.12.2024	1.0	Artur Bobovnicky	Document creation
17.12.2024	1.1	Artur Bobovnicky	Final text