Digital apartment information service (Kira-Digi)

Cost centre: P20031

Project final report

Document history

Date	Author	Description
12.12.2018	Tarja Simola	First version
17.12.2018	Tarja Simola	Text correction to 2.1
13.2.2018	Tarja Simola	Text correction to 2.1

Content

1   Introduction

1.1   Overview of the project

In the first phase of the project in spring 2018, a small POC (Digi-issari) apartment information was successfully digitized. POC tested how (10 pieces) apartment information can be moved in structural form between Asiakastieto and Talokeskus systems using a national standard.

In the autumn of 2018, a bigger POC was observed, which tested how the apartment information can be moved in structural form between Asiakastiedo and Visma Tampuuri (ex Agenteq Solutions Oy) systems using a national standard. The second phase was made as a separate project and got external Kira-digi funding.

In the third phase of the project, the aim is to continue the digitalisation of the housing cooperative data by utilizing the results of the POCs stages in production together with Visma Tampuuri.

In the third phase of the project, at least three new products will be implemented for banks and real estate agencies.

- The apartment's limited information

- Housing company loan information

- The apartment's extensive information covering the entire current house manager's certificate (will come 2019).

1.2   Objectives and deliverables

The project sought new digital operating models and solutions for the work phase which has been felt difficult and arduous because the materials are delivered in PDF or paper format. This information was manually entered into other systems by a real estate agent or a bank official. It has also come to be evaluated under the EU's privacy policy, whether eg. E-mail material with personal data is a good way to deliver information. Does it comply with the EU Data Protection Regulation requirements to provide information.

In the project investigated and tried the following things:

- Can we define and standardize the required housing company and apartment information required for buying and selling a apartment. The information must be sufficiently comprehensive and up-to-date for the needs of the bank and the real estate broker.

- Are all the necessary information available on the Tampuuri real estate information management system managed by Visma Tampuur and whether information can be transmitted between systems in a secure way through interfaces. Can we take advantage of the xbrl-format information of a house manager's certificate, which was agreed upon in the Taltio project in autumn 2017.

- Can we use the existing communication channel between Asiakastieto and banks and real estate brokers and can we use the existing communication channel between Asiakastieto and banks and real estate brokers and whether this information may still be enriched with the necessary information relating to the required housing companies, real estate and various operators. Data is now being transmitted to these parties in alternative ways.

- Is it possible to use digitized housing information in order to get automated information leasing process related to housing loans. These processes are today

considered arduous and is therefore left out.

Will we get information on the use of the project in an appropriate format, and whether the information is transmitted between different actors and whether the information is presented in an understandable form.

1.3 Compliance

A new legal model (Castren & Snellman) has been carried out on the new business model, according to which the service is in compliance with the Data Protection Regulation.

No inside register needed for this project

1.4 Assessment of Objectives and Deliverables

The results of the project Kira-digi phase were in line with the goal.

1.5 Connections and dependencies

In project will be implemented a new system where apartment information can be moved in structural form between Asiakastieto and Talokeskus systems using a national standard.

Projects outcome clients will be banks, real estate agents, house management / housing company management.

2 Implementation and evaluation of the project

Criteria	Description	Evaluation method	Realization of the criteria
1. **Schedule**	Project schedule is according to the project plan	Successful if the project deliverables are rolled out latest by the date mentioned in the project plan.	The project was completed according to schedule **Objective achieved**
2. **Costs**	Costs are according to the project plan	Successful, if the project costs are +/- 10% of the costs in the project plan.	Planned costs: 125 t € Final costs: 125 t € **Objective achieved**
3. **Content**	Project content is according to the requirement specifications	Successful, if all items in the requirement specifications have been executed.	Project deliverables is according to the requirement specifications. **Objective achieved**
4. **Project management and cooperation**	Project query results on an average level or better than in AT's	Successful, if the average of the project query replies is on the	There wasn't made a project query.

Criteria	Description	Evaluation method	Realization of the criteria
ability	projects on average	same level or better than in AT's projects on average.	

2.1 Cost and Returns

Costs according to the basic plan if the project were EUR 129 thousand and the realized costs were EUR 129 thousand, of which the change requests accounted for EUR 0 thousand.

	Payer	Project costs
Asiakastieto	Asiakastieto	47 234 €
Eficode	Asiakastieto	342 €
Luoto	Asiakastieto	21 350 €
Visma Tampuuri Oy	Asiakastieto	25 000 €
Visma Tampuuri Oy	Visma Tampuuri Oy	35 500 €
Total		**129 426 €**

	2018	**2019**	**2020**	**2021**	**2011**
Income	0 €	0 €	0 €	0 €	0 €
Project costs (incl. development)	(129 426 €)	0 €			
Other costs	0 €	0 €	0 €	0 €	0 €
Total	(129 426 €)	0 €	0 €	0 €	0 €

☒ Project can be activated

☐ Project cannot be activated

2.2   Hour distribution

Asiakastieto	The realized hours
Eero Arvonen	102
Juuso Pikkujämsä	146
Heikki Ylipekkala	36
Laura Vanninen	119
Mervi Pulli	18
Tarja Simola	68
Vesa Arjovuo	145
Total	634

Visma Tampuuri Oy	The realized hours
Ahmad, Näim	2
Alhainen, Mika	196
Arfman, Mika	6
Fonsell, Henna	3,5
Hyvärinen, Mikko	9,5
Jaakola, Joona	133,5
Katajamäki, Janne	7
Mohammad, Siina	0,5
Raitanen, Juha	4
Rautiainen, Janne	3
Saarinen, Joni	239,5
Turunen, Juho	0,5
Total	605

2.3   Procurement

The following purchases were made in the project:

	The realized costs
Luoto	21 350
Eficode	342

	The realized costs
Visma Tampuuri Oy	25 000
Total	**46 692**

2.4 Schedule

The table below lists the most important events in a project.

Event	Time
Begin implementation	31.6.2018
Project deliverables approved	30.11.2018
Final report approved	15.12.2018

2.5 Documentation produced

Project documents is found at link

2.6 Organisation of the project

Who ordered: Digital Processes product area

Who delivered: Asiakastieto IT department and consultant (Luoto Company)

2.6.1 Steering group

Person	Role
Heikki Ylipekkala	Chairman
Project Manager Tarja Simola	Secretary
Project Manager Mika Alhainen, Visma Tampuuri	Member
Vesa Arjovuo	Member
Jari Julin	Member
Juha Raitanen, Visma Tampuuri	Member
Janne Katajamäki, Visma Tampuuri	Member

2.6.2 Project group

Person	Role	Sprints	Sprint 2	Sprint 3
Vesa Arjovuo	Product Owner	Part time	Part time	Part time
Tarja Simola	Scrum Master	Part time	Part time	Part time
Juuso Pikkujämsä	Implementer	Full time	Full time	Full time

Person	Role	Sprints	Sprint 2	Sprint 3
Harri Isola (Luoto)	Implementer	Full time	Full time	Full time
Eero Arvonen	Architect	Part time	Part time	Part time
Laura Vanninen	Specialist	Part time	Part time	Part time
Mervi Pulli	Tester and service (product specialist	-	Part time	Part time

2.6.3 Other groups

Person	Role	Resourced for this project		
		Start date	End date	Time (%)
Mika Alhainen	Project Manager Visma Tampuuri	Part time	Part time	Part time
Ahmad, Näim	Visma Tampuuri	Full time	Full time	Full time
Arfman, Mika	Visma Tampuuri	Full time	Full time	Full time
Fonsell, Henna	Visma Tampuuri	Full time	Full time	Full time
Hyvärinen, Mikko	Visma Tampuuri	Part time	Part time	Part time
Jaakola, Joona	Visma Tampuuri	Full time	Full time	Full time
Mohammad, Siina	Visma Tampuuri	Full time	Full time	Full time
Rautiainen, Janne	Visma Tampuuri	Full time	Full time	Full time
Saarinen, Joni	Visma Tampuuri	Full time	Full time	Full time
Turunen, Juho	Visma Tampuuri	Full time	Full time	Full time

2.6.4 Project Meetings and Communication

The project meeting was held on a daily basis as a Daily Scrum meeting with the development team members taking turns telling

1) What I have done since the last day of the meeting,

2) What I am going to do before the next day of a meeting, and

3) Is the work hindered by impediments.

Every two weeks at the end of the sprint, the following meetings were held:

- Sprint review, which reviewed the tasks performed in sprint
- Sprint planning, where the next Sprint was designed

The protocols are stored in the project directory: L: \Hankkeet\ Digitaalinen huoneistotieto.

2.6.5 Reporting and tracking of results

The project team members daily report on the estimated remaining workload for Sprint's open tasks to the Jira tool. Only the remaining workload was reported.

2.6.6 Change Management

No changes were made to the project.

2.6.7 Risk Management

None of the risks to the project realized.

Risks were reported and maintained in a Risk Matrix
Link to Risk Matrix

2.6.8 Process quality assurance

Project Manager was responsible for the quality assurance of the processes.

Elina Laurell was quality advisor of the project.

2.6.9 Quality assurance of outputs

Quality assurance topic	Measure
Number of use cases	2 units
Number of test cases	XXX units
Number of test automation scripts	XXX Units
Detected errors and their types	Critical defects: (Priority/Importance 1&2) Normal defects: (Priority/Importance 3&4) Cosmetic defects:

Quality assurance topic	Measure
	(Priority/Importance 5)
Time used for testing (In agile projects time cannot be tracked per tasks) Were automatic test scripts used	

2.6.10   Project management tools

Project management tools used MS Project, Jira and Confluence

3   Project Questionnaire

There wasn't made a project query.

4   Lessons learned

4.1   Pros

Project had enough skilful resources.

4.2   Cons

The project teams of Asiakastieto ja Visma Tampuuri worked at a different location due to this and other work tasks the work progressed slowly in the beginning.

The description of the Taltio -interface was inadequate and its utilization is therefore complicated.

4.3   Implementation / Maintenance of Deliverables

This project was a proof of concept -project. The project did not produce finished products and thus nothing was exported to the production.

5   Certifications of the project manager and the chairman of the steering group

I certify that the information provided in this final report is correct.

Place and time: 11.12.2018

Project Manager Name: Tarja Simola

Name of the chairman of the project steering group: Heikki Ylipekkala

6   Attachments

[Project plan](#)

[Project risks](#)

[Requirements specification](#)

[Project documentation plan](#)

[Jira](#)