Summary of Agile Pilot

Company name	**Gamax Ltd.**
Company location	**Budapest, Hungary**
Domain	**Digital services and communication**
Municipality	Tata, Hungary
Project period	October 2025 – June 2026 (8 months)
Solution	Within the PilotInnCities project, Gamax tested its City AI platform in cooperation with the Municipality of Tata. City AI is a cloud-based urban data integration and decision-support platform designed to help municipalities consolidate fragmented information sources into a single, structured and accessible urban data environment. The platform enables local governments to collect, organise, visualise and analyse data through a map-based dashboard supporting evidence-based decision-making. The pilot focused on integrating previously isolated municipal datasets into a unified urban data repository. The solution was designed around three key principles: • elimination of municipal data silos, • preservation of municipal data sovereignty, • creation of a visual decision-support environment. Particular emphasis was placed on avoiding vendor lock-in. All integrated data remains under municipal ownership and can be exported in standard formats at any time. During the pilot, the Basic level of the City AI platform was implemented and validated using static municipal datasets. The platform successfully demonstrated how fragmented information can be transformed into a structured urban data asset supporting operational and strategic municipal functions.
Stakeholders	Key stakeholders involved: • Gamax Kft. • Municipality of Tata • Municipal departments and data owners • City management and decision-makers • HROD Social Economy and Community Development Centre • Neumann Technology Platform • Future municipal users of the platform
Lessons learned	The pilot generated several important insights: • Successful municipal innovation requires a two-way learning process between solution providers and local governments. • Intermediary organisations play a critical role in translating between technological and municipal realities. • Municipal staff are more willing to adopt innovation when existing organisational structures and software systems remain unchanged. • Integrated access to information significantly reduces the time required to locate and validate data. • Data governance and GDPR interpretation should be clarified early in the project lifecycle. • Organisational readiness is often a more important factor than technological readiness. • Data integration projects create value even before advanced analytics are introduced.
KPI 1	Measurement:

Structured Urban Data Repository	Number of previously isolated municipal datasets successfully integrated into the City AI platform. Expected target value: 25 data sources. Achieved value: 34 data sources. Summary and analysis: The pilot identified and integrated 34 municipal data silos, significantly exceeding the original target. A total of 170 data points and 1,530 metadata records were cleaned, structured and incorporated into a centralised database. The integration process substantially improved data accessibility, comparability and future analytical potential, providing a unified municipal data asset for Tata. Comments: Differences in data quality and data management practices among municipal departments required additional preparation and coordination efforts.
KPI 2 Development of a source- and vendor-independent, exportable data warehouse; ensuring data sovereignty	Measurement: Percentage of integrated datasets that can be exported in standard formats and remain under municipal control. Expected target value: 90%. Achieved value: 100%. Summary and analysis: All integrated datasets became fully exportable and remained under the ownership and control of the municipality. The pilot successfully validated the principle of data sovereignty and demonstrated that municipalities can adopt advanced digital tools without becoming dependent on a single technology provider. Comments: Avoiding vendor lock-in was a core design principle throughout the pilot.
KPI 3 Development of a System to Support Strategic Analysis and Decision Preparation	Measurement: Number and type of data points available for visualisation and strategic decision support. Expected target value: 80–90% of identified static datasets and 10–20% of dynamic datasets available for analysis. Achieved value: 170 static data points from 34 data silos became available through the platform. Summary and analysis: The pilot successfully created a visual and analytical environment where all integrated static datasets became accessible through a map-based dashboard. Although dynamic real-time datasets were not available during the pilot period, the resulting infrastructure established a strong foundation for future analytics, predictive modelling and AI-based decision-support applications. Comments: The absence of dynamic datasets limited the scope of analytical functions. Future implementations should prioritise sensor and real-time data integration.
Evaluation of the business model focusing on its viability and potential for growth	Validated strengths • Strong scalability through SaaS architecture • Clear value proposition for municipalities • Subscription-based recurring revenue model • Full support for municipal data sovereignty • Vendor-independent architecture • Multi-level service model (Basic, Advanced, Professional, Enterprise) • Strong applicability across municipalities of different sizes and digital maturity levels • Potential for international expansion Identified barriers and risks

	• Uneven digital maturity among municipalities • Variable quality of existing data • Organisational resistance to change • GDPR and legal interpretation challenges • Need for continuous capacity building within municipal administrations Planned modifications The pilot confirmed strong demand for the Basic and Advanced service levels. As a result, these packages will be further developed as standalone entry-level solutions, accompanied by stronger onboarding, training and organisational support services. Areas requiring external support • GDPR compliance and interpretation • AI governance and ethical data use • Data-sharing frameworks • Legal guidance regarding municipal data management Priority scaling needs • Additional municipal pilot implementations • Integration of dynamic real-time data sources • Expansion of analytical and predictive capabilities • Market education and awareness building • Development of strategic partnerships
Impacts	The pilot successfully demonstrated that municipal data silos can be transformed into a unified urban data asset. Key impacts include: • 34 municipal datasets integrated • 170 structured data points and 1,530 metadata records consolidated • 100% municipal control over integrated data • Faster access to strategic information • Reduced internal information fragmentation • Improved organisational efficiency • Foundation established for future AI-driven decision-support systems
Suggestions for future actions, especially focusing on sustainability and replication	• Integrate dynamic and real-time data streams. • Develop predictive analytics and machine learning functions. • Expand implementation to additional municipalities. • Establish standardised municipal data governance frameworks. • Strengthen capacity-building programmes for municipal staff. • Develop Digital Twin capabilities at the city level.
Next steps	• Commercial rollout of Basic and Advanced service packages. • New pilot projects with municipalities in Hungary. • Expansion to V4 countries (Slovakia, Czech Republic and Poland). • Development of Professional and Enterprise service levels. • Introduction of advanced analytics and Digital Twin functionalities. • Strengthening strategic partnerships in the smart city ecosystem.
Provider's Reflection	The PilotInnCities methodology provided an effective framework for testing City AI in a real municipal environment. Continuous mentoring and stakeholder engagement significantly improved mutual understanding between the technology provider and the municipality. The pilot confirmed that successful digital transformation requires both technological innovation and organisational learning. The agile approach allowed rapid adaptation to municipal needs and increased the relevance and usability of the final solution.

Municipality's Reflection	The Municipality of Tata gained access to an integrated and structured urban data environment that improved access to information and laid the foundations for future data-driven governance. The pilot demonstrated the practical value of data integration without disrupting existing municipal operations, increasing acceptance and creating opportunities for further digital transformation.
Expert's Reflection	The mentoring process provided valuable support in addressing organisational, administrative and stakeholder-related challenges throughout the pilot. A key lesson was that successful municipal innovation requires not only technological readiness but also effective coordination among municipalities, service providers and intermediary organisations. The pilot validated a gradual, modular implementation approach and established a transferable framework for future deployments of the City AI platform.