



Pilot activity final report

Template for project partners

Activity 3.1, pilot actions implementation and monitoring.

Project identification

Project	Danube Digital transformation Network of Active SMEs training and knowledge transfer centres (Danube DNA)
Programme	Interreg Danube Region Programme 2021–2027
Activity	3.1 Pilot actions implementation and monitoring
Activity Leader	SERDA, Sarajevo Economic Region Development Agency
Lead Partner	University of Novi Sad, Faculty of Technical Sciences

Reporting partner

Project partner	PP10 CAMPUS 02
Country	Austria
Pilot coordinator (name, email)	Gernot Hofer (gernot.hofer@campus02.at)
Pilot activity title	EM4 System Condition- Company Bloder
Digital solution validated	<i>Select one (keep the option that applies, delete the others):</i> EM4 System Condition <i>Not listed (please specify):</i>
Pilot implementation period	15.1.2026 – 29.5.2026
Date of submission	

Participating SME(s)

For the size breakdown, enter the number of SMEs in each category. A blank counts as zero, and micro, small and medium should add up to the total.

Number of participating SMEs	1
Of which micro	0
Of which small	1
Of which medium	0
Sector(s)	Automotive Sector (Car repair and painting):

1. Description of the implemented solution

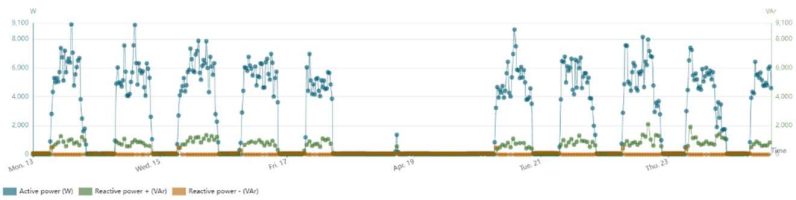
Describe the digital solution validated and which of the six jointly developed solutions it corresponds to. Outline the SME context, the scope of the pilot, and how the solution was deployed in the real SME environment.

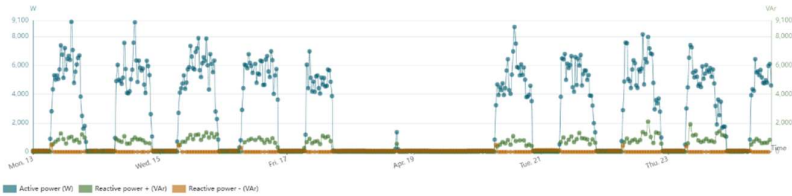
A new energy measurement system was scientifically supported by FH CAMPUS 02 for flexible and wireless Energy Monitoring for SME. The system enables wireless data transmission especially over longer distances. The advantage is the quick retrofitting of any machines and power consumers and a straightforward, user-friendly interface that presents the relevant results graphically. The sensors can also be mounted in the electrical control cabinet for multiple purposes. The sensor data sampling unit offers up to 18 Channel data processing, which means 6x3-phase supply strings an 18x single phase wiring can be measured. Data will be transferred via LORAWAN to a central gateway, which sends the data for further processing to the cloud. Dashboard can be configured to the special needs and alarm settings can be done. The application is cost-effective and the sensor data sampling unit can be easily changed to another production area when energy consumption has been reduced at the first sight.

The system has been installed at Lackiererei BLODER e.U. to monitor energy consumption in detail for air compressor and ventilation of 2 “painting boxes” as the main energy consumption devices. Although the company is well equipped, some optimization potential could be found at the air pressure system. Energy consumption on Sunday showed pressure loss of the system and could therefore be detected and repaired.

2. Results achieved

Complete each field below. Keep this narrative; report numeric indicators in the KPI table in Section 3 rather than repeating them here.

Expected result	<i>What the pilot set out to achieve against its objectives.</i> Overview of the energy consumption of selected devices. Analysation for optimisation potential and possible improvements in real life applications.
Achieved result	<i>What was actually delivered, described in narrative terms.</i> Overview of the energy consumption of selected devices could be realized and optimisation option could be detected:  Energy consumption of the air compressor system on Sunday showed pressure loss of the system and could therefore be detected and repaired. 

	Owner of the company was very satisfied with the easy installed systems with no disruption to work processes.
Evidence supporting the achievement	<i>What demonstrates this (screenshots, testimonials, reports, data). Reference the source.</i> PP10 UAS CAMPUS 02 gained experience in handling the system and in connecting and setting up at real conditions.
Benefits for the participating SME(s)	<i>Briefly. Detailed SME views go in Section 4.</i> Energy consumption of the air compressor system on Sunday showed pressure loss of the system and could therefore be detected and repaired. 

3. KPI values

Report the key performance indicators for your pilot. Add rows as needed. Complete the achievement rate where applicable ($\text{achieved} / \text{target} \times 100$); leave it blank for binary or qualitative indicators. Ensure values are consistent with the narrative above and supported by source of verification.

Indicator (KPI)	Baseline	Target	Achieved	Achievement rate (%)	Source of verification	Comment

4. SME feedback

Summarise the feedback provided by the participating SME(s), based on the responses submitted through the mandatory SME survey completed by the participating SME(s). Continuation and sustainability aspects are covered in Section 7.

Main strengths identified by SMEs	<i>The aspects the SME(s) valued most.</i> Quick and easy installation with no disruption to work processes.
Main weaknesses identified by SMEs	<i>The limitations or problems the SME(s) raised.</i> No
Suggestions for improvement	<i>Concrete improvements proposed by the SME(s).</i> No
Would the SME(s) recommend the solution to another SME?	<i>Select one: Yes / Partially / No.</i> Yes
Reason for the answer above	<i>What did the SME(s) say, and why? This is the part that feeds the analysis.</i> Identified optimisation option at the air system.

5. Challenges during implementation

List the main challenges encountered across the pilot phases (preparation, tender, contracting, implementation and monitoring). For Impact select Low, Medium or High; for Resolved enter Yes or No. Add rows as needed.

Challenge	Impact (Low / Medium / High)	Mitigation measure	Resolved (Yes / No)
Sensor connection instable by system set up	high	Solved by PP10	yes

6. Lessons learned

Provide up to three prioritised lessons from your pilot, using the structure below. A lesson is more than a challenge: it states what you would keep or change, and whether it transfers to other partners. Complete Lesson 1 as a minimum; Lessons 2 and 3 are optional.

Lesson 1 (required)

Lesson title	<i>A short headline capturing the lesson in one line.</i> New systems always have some bugs at the beginning
Thematic area	<i>Select one: Partnership and coordination / Technical and digital solution / Procurement / Stakeholder and SME engagement / Sustainability and scale-up / Data collection and monitoring.</i> Data transfer sensor - gateway
Priority	<i>Select one: High / Medium / Low importance for future pilots and upscaling.</i> high
Situation	<i>What was the context or starting point that gave rise to this lesson?</i> Unidentified connection problem appeared with no logical reason.
What happened	<i>What was the outcome, result or effect that you observed?</i> Incorrect licencing of LORAWAN protocol
What worked or what you would do differently	<i>The actionable insight: the practice to keep, or the change to make next time.</i> Could be updated and will be now checked in advance
Transferability	<i>Rate as High / Medium / Low, then note whether it is pilot-specific or transferable, and who could reuse it and how.</i> New systems have to be checked under lab condition first

Lesson 2 (optional, complete only if applicable)

Lesson 3 (optional, complete only if applicable)

7. Sustainability and future use

Set out whether and how the solution will continue to be used beyond the project. This is a key consideration for Interreg and for the consolidated lessons learned.

Will the SME(s) continue using the solution after project completion?	Select one: Yes / Partially / No. yes
Reason for the answer above	Why will they continue or not, drawing on what the SME(s) indicated? Helps to find the reason for energy consumption raise, if it will happen.
Resources required for continuation	Financial, technical or human resources needed to keep using the solution. Contracting with external support (Fa Messfeld)
Main barriers to long-term adoption	What could prevent sustained use or scale-up. No- upscaling is possible any time
Overall sustainability outlook	Select one: High / Medium / Low. High – reduce of energy consumption

8. Recommendations for future projects

Set out forward-looking recommendations for upscaling the solution and for other partners planning similar pilots. Focus on what would improve feasibility, sustainability and transferability across the Danube Region.

Start with simple configurations and then increase complexity of pilots.

Completed by

Name and position	Wilfried Wolf
Organisation	UAS CAMPUS 02
Date	2.6.2026