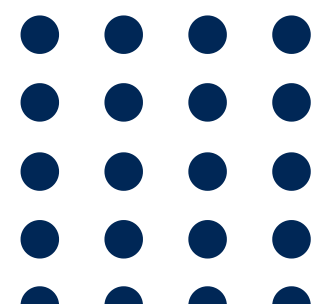




Exploring needs and barriers in energy flexibility management

We present key findings on the needs and barriers identified in the REEFLEX project



Who participated?

103 answers:

Non experts



67%

Experts



33%



50%
Technology
designers



50%
Operators

Did they use flexibility management tools?

Although most are aware of the concept of energy flexibility, **only 40% use tools to manage it.**

What obstacles do users face?

Users highlight **regulatory and economic barriers** as the most difficult to overcome.



Economic Barrier:

- High initial implementation and technology costs.
- Possible low profitability or lack of attractive economic incentives.



Regulatory Barrier:

- Lack of clear legislation supporting energy flexibility.
- Regulatory barriers to entry and participation in flexibility markets.



Privacy Barrier

- Concerns about the security of personal data and its use.
- Risk of cyber-attacks and lack of data protection safeguards.

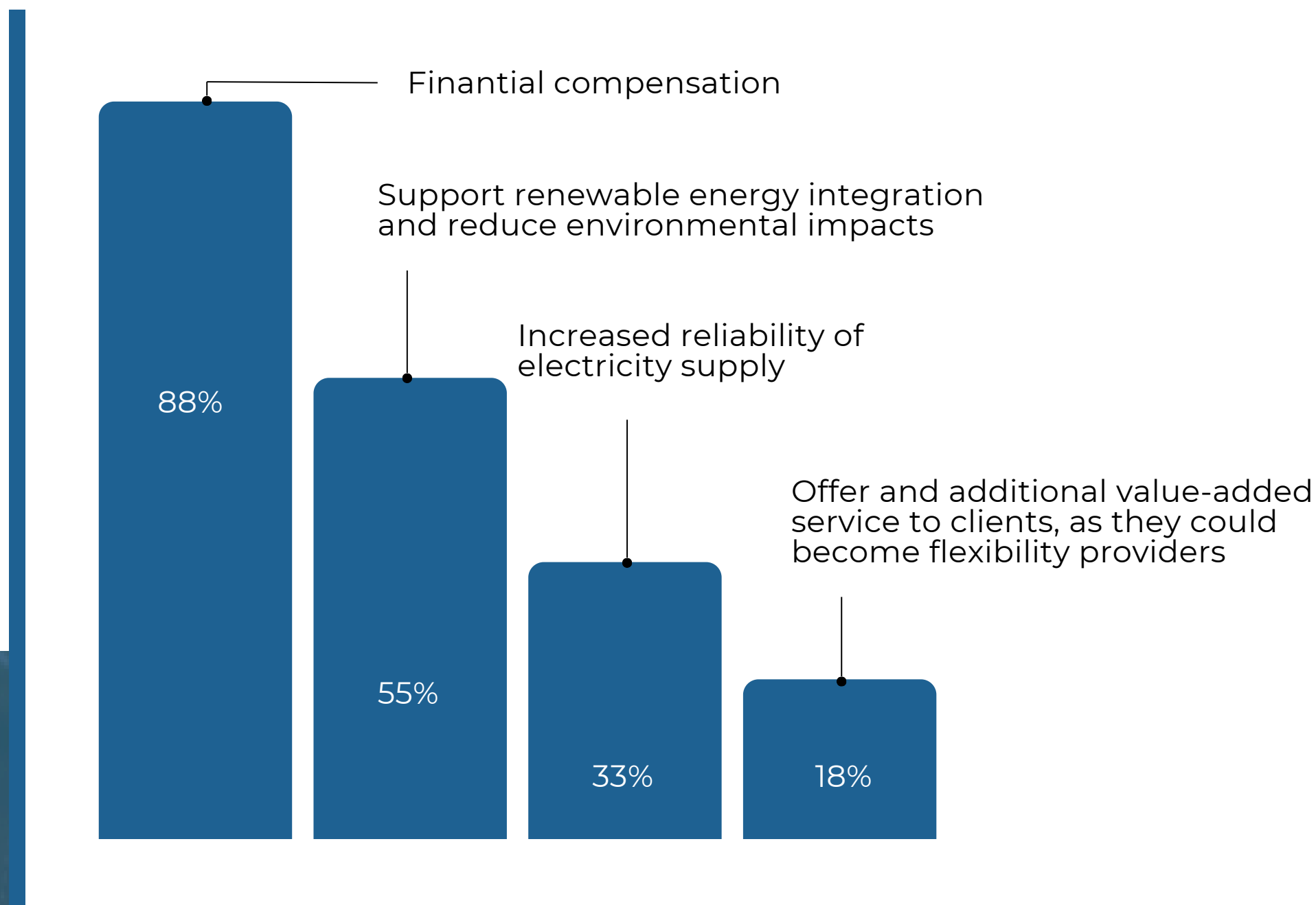


Technical barrier:

- Limited interoperability between systems and platforms.
- Lack of smart devices compatible with the proposed solutions.

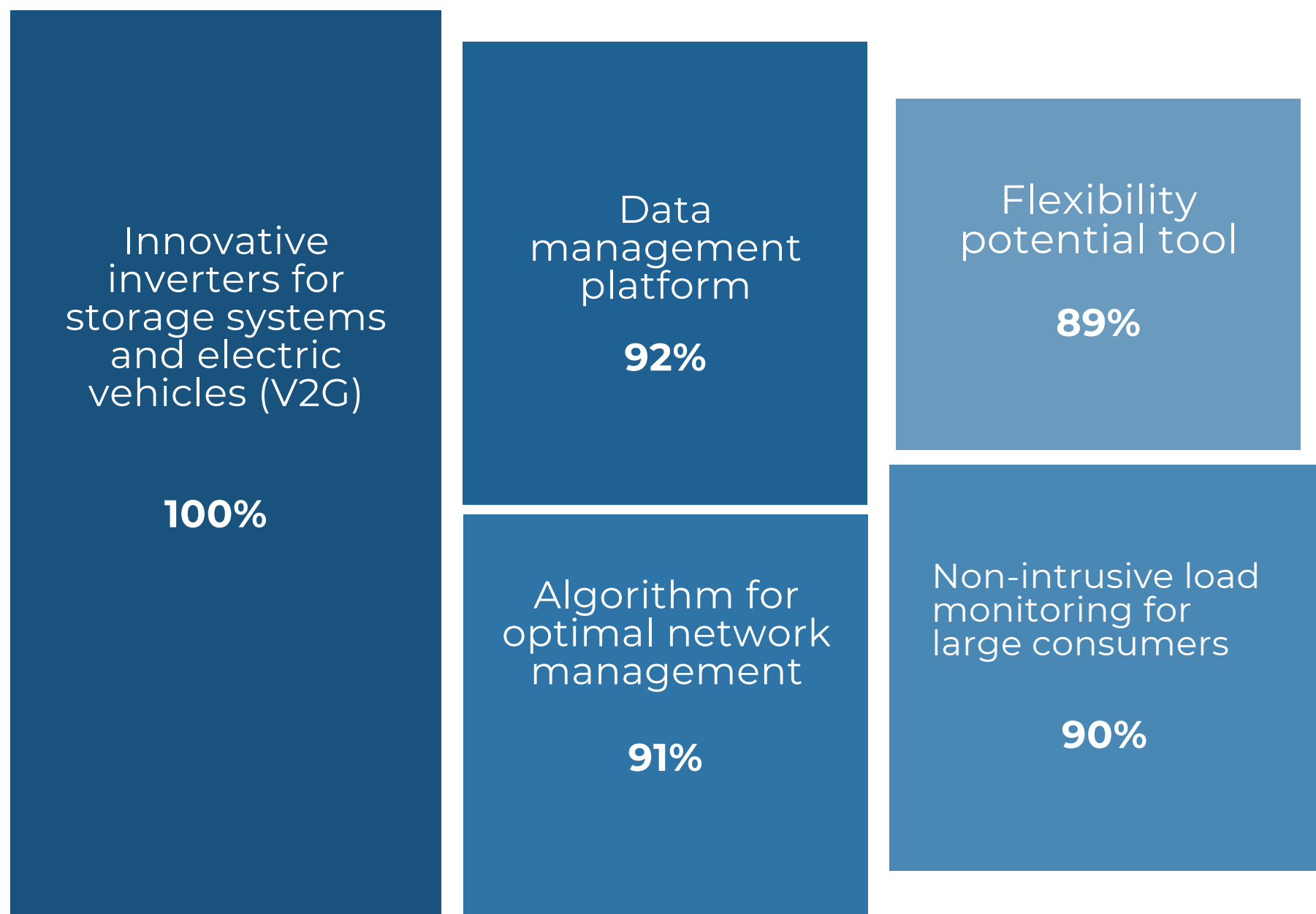
What is the motivation for users?

Financial compensation and sustainability are the main motivations for adopting energy flexibility solutions.



Which tools do you find most relevant?

Users find tools that facilitate **interoperability and flexibility management** most useful.



* The ratings presented correspond to percentages of acceptance or level of perceived usefulness. indicate the percentage of users who rated each solution as useful.

Next steps

With these results, REEFLEX will adjust its **tools to better align with market needs.**

Key areas:



Refine tools: Develop tools tailored to users' needs, ensuring interoperability, data security and scalability.



Implement use cases: Put the eight use cases into practice in demonstration sites to validate solutions and make adjustments.




Develop regulatory frameworks: Create regulations that allow different actors to participate in flexibility markets.



Ongoing collaboration: Maintain collaboration between project partners to ensure that the tools adapt to emerging regulations and needs.



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