

Science watch: SRI in recent scientific publications

2025

Chatzikonstantinidis, K., Bogiatzis, A., Giama, E. *et al.* (2025). **Smart readiness upgrades and economic assessment in existing public buildings: a case study from Greece.** *Energ. Ecol. Environ.* (2025). <https://doi.org/10.1007/s40974-025-00392-6>

Bagherian, A., Gharehdaghi, M., Hayati, M.M., Borhani, F., Abapour, M., Mohammadi-ivatloo, B. (2025). **Advancing Energy Efficiency in Smart Cities: The Smart Readiness Indicator (SRI) Framework for Sustainable Building Performance.** In: Ahmadian, A., Diabat, A., Almansoori, A., Elkamel, A. (eds) *Sustainable Energy Resources in Smart Cities.* Green Energy and Technology. Springer, Cham. https://doi.org/10.1007/978-3-031-91516-1_3

Miroslav Halilović, Aleš Kralj, Jarek Kurnitski, Suzana Domjan, Andraž Maček, Sašo Medved, **Smart Readiness Indicator metric for building envelope structures,** *Energy and Buildings*, Volume 350, 2026, 116677, ISSN 0378-7788. <https://doi.org/10.1016/j.enbuild.2025.116677>

Person, L., Emich, T., Spatafora, L., Hagenmeyer, V., & Lennerts, K. (2025). **Validation of the smart readiness indicator on real test buildings –** Energy efficiency of heat generators. *Energy and Buildings*, 346, 116128. <https://doi.org/10.1016/j.enbuild.2025.116128>

Martinez, L., Klitou, T., Olschewski, D., Carnero Melero, P., & Fokaides, P. A. (2025). **Advancing building intelligence: Developing and implementing standardized Smart Readiness Indicator (SRI) on-site audit procedure.** *Energy*, 316, 134538. <https://doi.org/10.1016/j.energy.2025.134538>

Delavar, T., Borgentorp, E., & Junnila, S. (2025). **The smart buildings revolution: A comprehensive review of the Smart Readiness Indicator literature.** *Applied Sciences*, 15(4), 1808. <https://doi.org/10.3390/app15041808>

Lauria, M., Azzalin, M., Giglio, F., & La Face, G. M. (2025). **Responsive public policies for smart and sustainable buildings: An experimental application of the Smart Readiness Indicator.** *Buildings*, 15(12), 2002. <https://doi.org/10.3390/buildings15122002>

Beras, M., Stępień, K., Kovačič, M., & Župerl, U. (2025). **Achieving maximum Smart Readiness Indicator scores: A financial analysis with an in-depth feasibility study in non-ideal market conditions.** *Buildings*, 15(11), 1839. <https://doi.org/10.3390/buildings15111839>

Walczyk, G., & Ożadowicz, A. (2025). **Moving forward in effective deployment of the Smart Readiness Indicator and the ISO 52120 standard to improve energy performance with building automation and control systems.** *Energies*, 18(5), 1241. <https://doi.org/10.3390/en18051241>

2024

Autio, P., Borgentorp, E., Pulkka, L., & Junnila, S. (2024). **Smart Readiness Indicator: Ready for business? Evidence from a Northern EU country.** *Buildings*, 14(11), 3638. <https://doi.org/10.3390/buildings14113638>

Chatzikonstantinidis, K., Giama, E., Fokaides, P. A., & Papadopoulos, A. M. (2024). **Smart Readiness Indicator (SRI) as a decision-making tool for low carbon buildings.** *Energies*, 17(6), 1406. <https://doi.org/10.3390/en17061406>

Klitou, T., Pavlou, N., Barrère, C., Dourlens–Quanranta, S., Momi, S., & Messerve, T. B. (2024). **Bridging the gap: A comprehensive review of EPC and SRI calculation tools in Europe.** *9th International Conference on Smart and Sustainable Technologies (SpliTech)*, Bol and Split, Croatia, 1–5. <https://doi.org/10.23919/SpliTech61897.2024.10612659>

REHVA. (2024). **The SRI – From an experimental to a regulatory instrument.** *REHVA European HVAC Journal: Smart-Ready Buildings, EPBD Policy Updates, National Implementation & Research Breakthroughs*. Retrieved from <https://www.rehva.eu/rehva-journal/detail/05-2024>

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Plienaitis, G., Daukšys, M., Demetriou, E., Ioannou, B., Fokaides, P. A., & Seduikyte, L. (2023). **Evaluation of the Smart Readiness Indicator for educational buildings.** *Buildings*, 13(4), 888. <https://doi.org/10.3390/buildings13040888>

Delavar, T., Borgentorp, E., & Junnila, S. (2023). **SmartBuild RecSys: A recommendation system based on the Smart Readiness Indicator for energy efficiency in buildings.** *Algorithms*, 16(10), 482. <https://doi.org/10.3390/a16100482>

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Vigna, I., Pernetti, R., & Gasparella, A. (2022). **Smart readiness indicator evaluation and cost estimation of smart retrofitting scenarios — A comparative case-study in European residential buildings.** *Sustainable Cities and Society*, 82, 103921. <https://doi.org/10.1016/j.scs.2022.103921>

Verbeke, S., Aerts, D., Reynders, G., Ma, Y., & Waide, P. (2022). **Final report on the technical support to the development of a smart readiness indicator for buildings.** European Commission. <https://doi.org/10.2833/600706>

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Vigna, I., Perneti, R., Pernigotto, G., & Gasparella, A. (2020). **Analysis of the building Smart Readiness Indicator calculation: A comparative case-study with two panels of experts.** *Energies*, 13(11), 2796. <https://doi.org/10.3390/en13112796>