

MCL

BladeWatch

*Increasing Wind Power Availability through
Energy-Autonomous Wireless Smart Sensors*

Manfred Mücke & Lukas Hanna

Materials Center Leoben Forschung GmbH

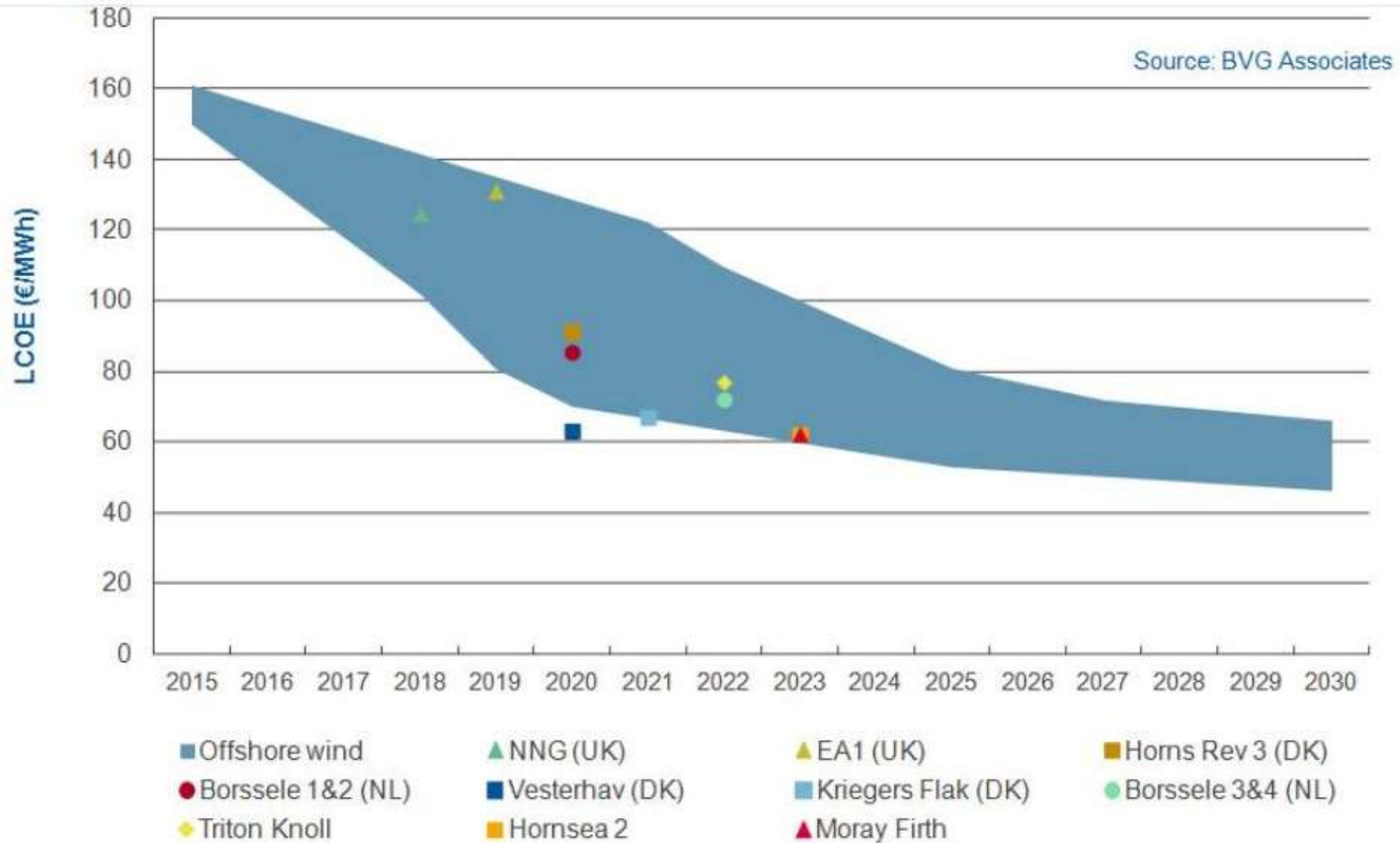
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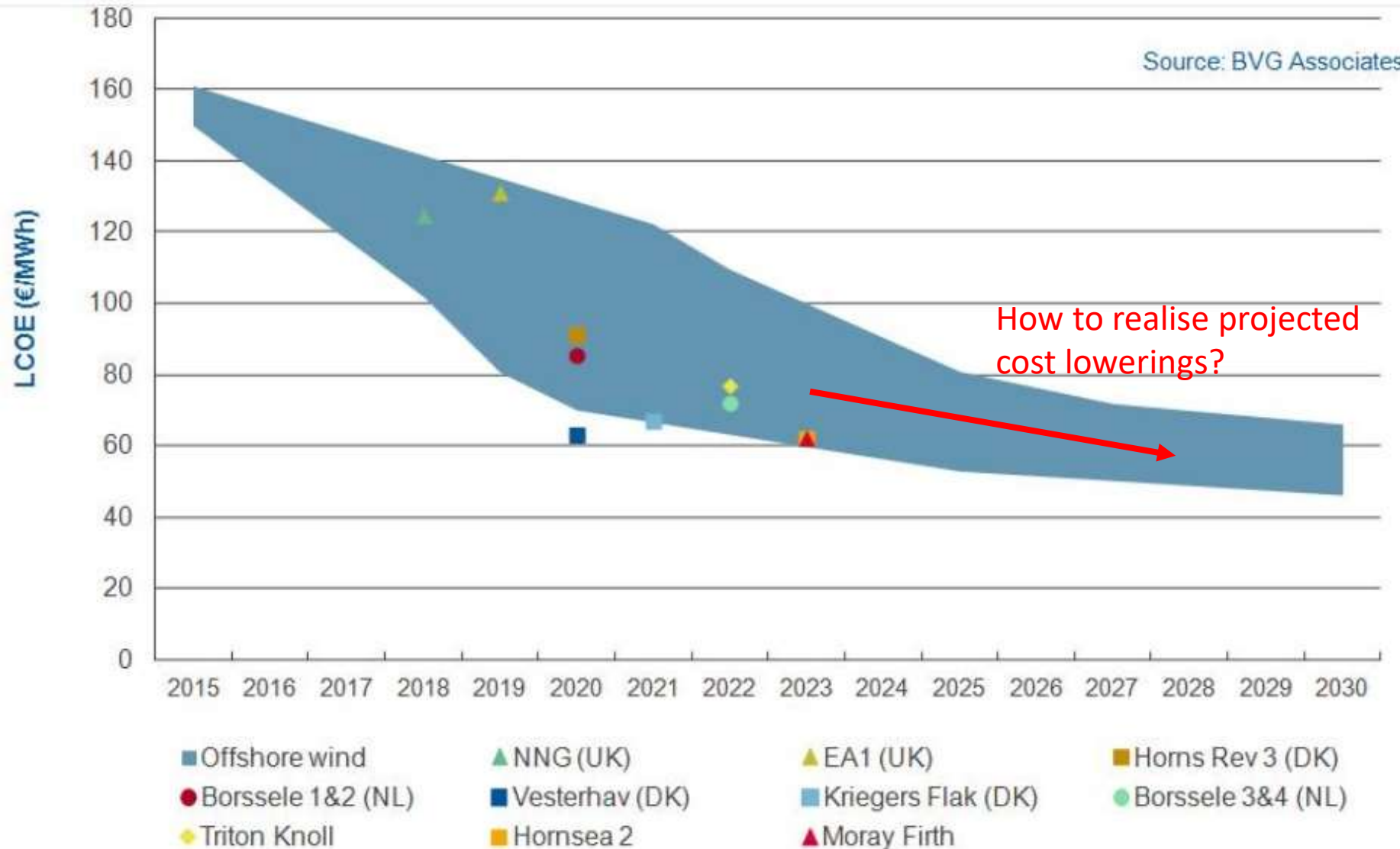
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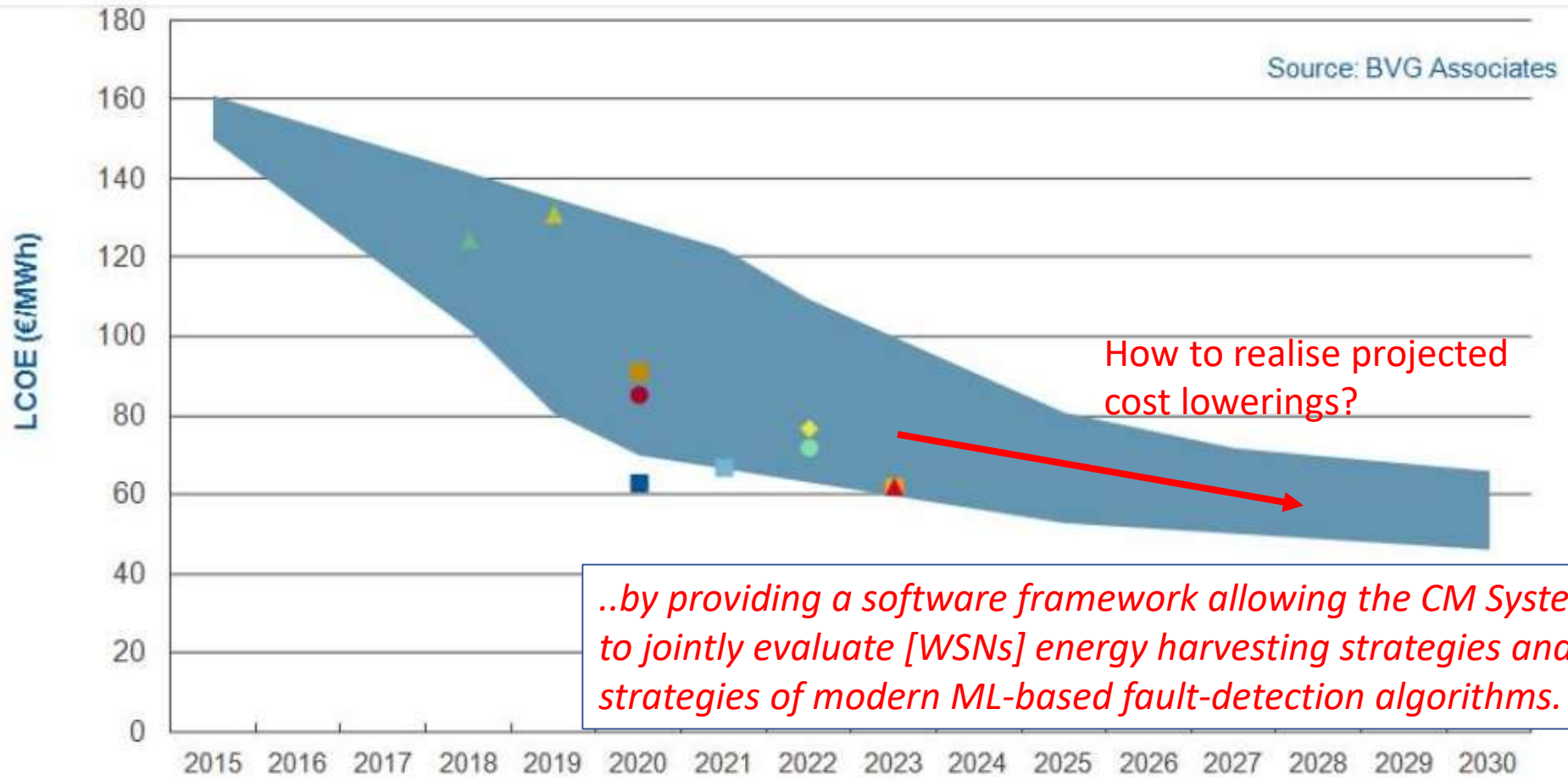
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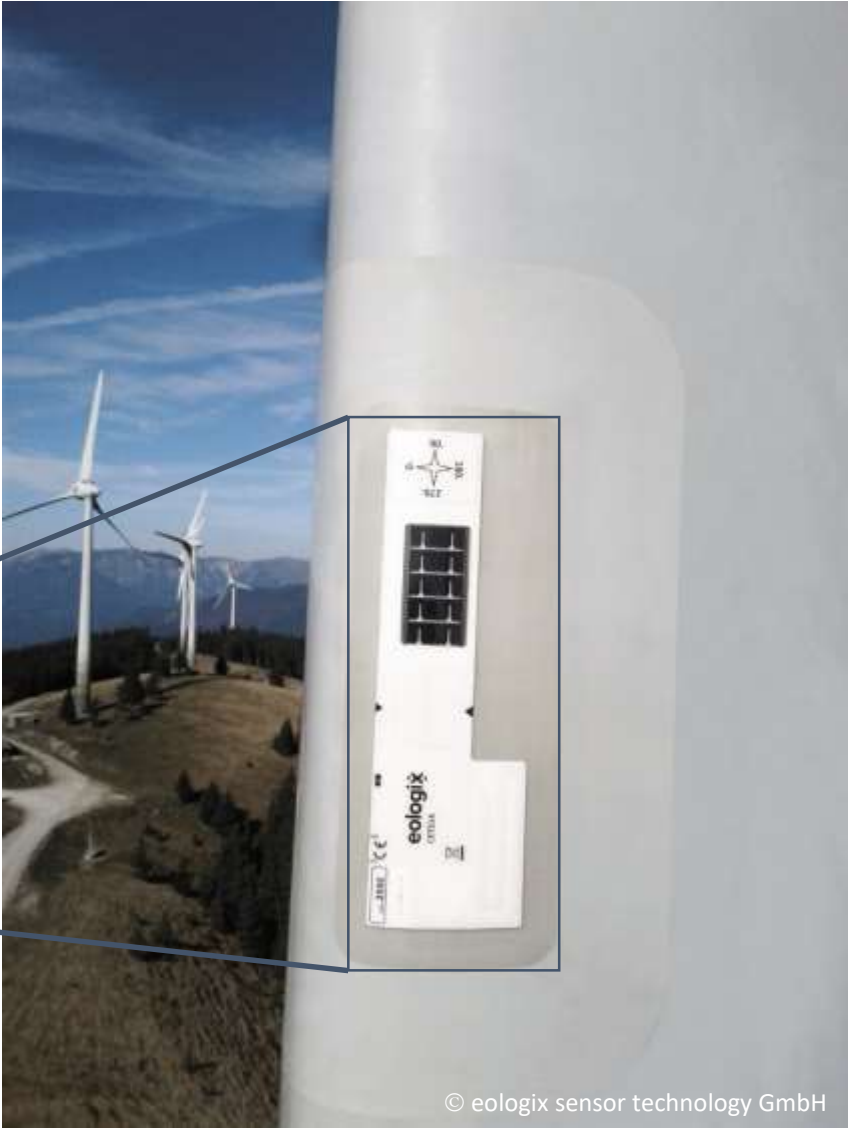
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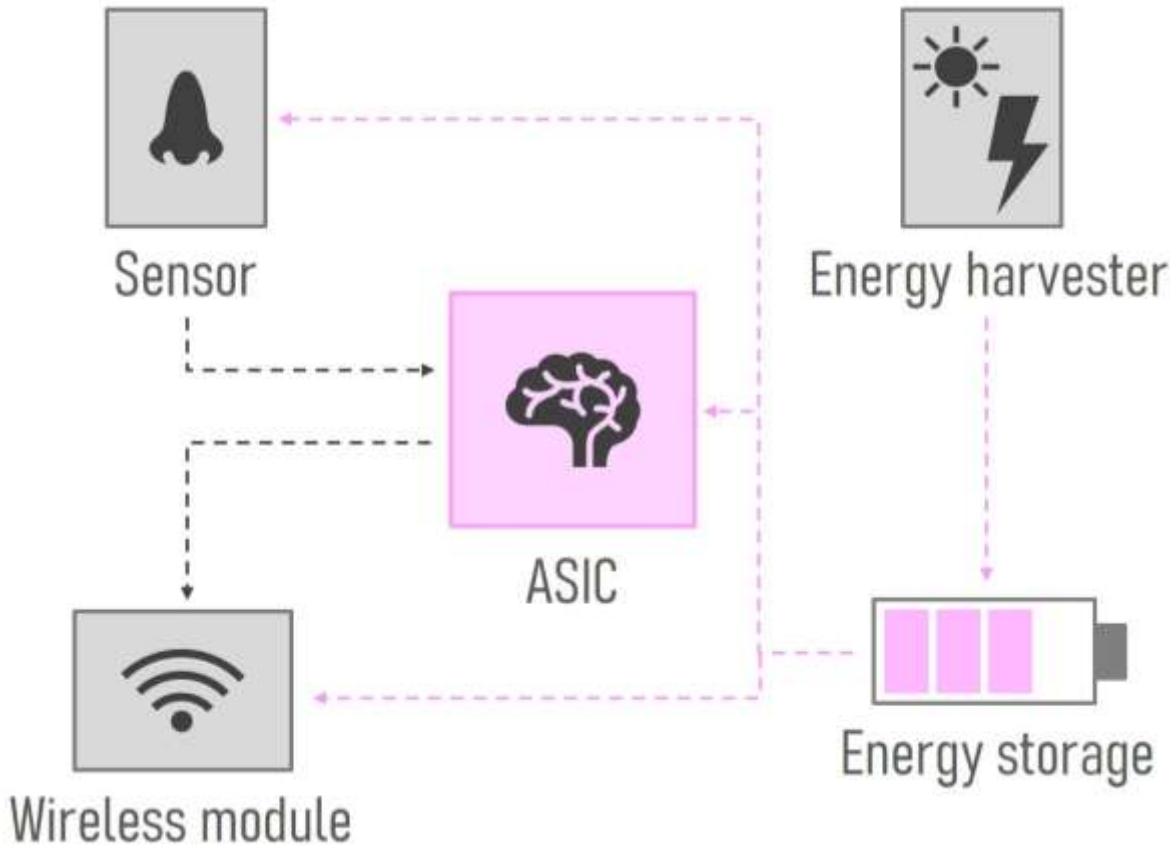
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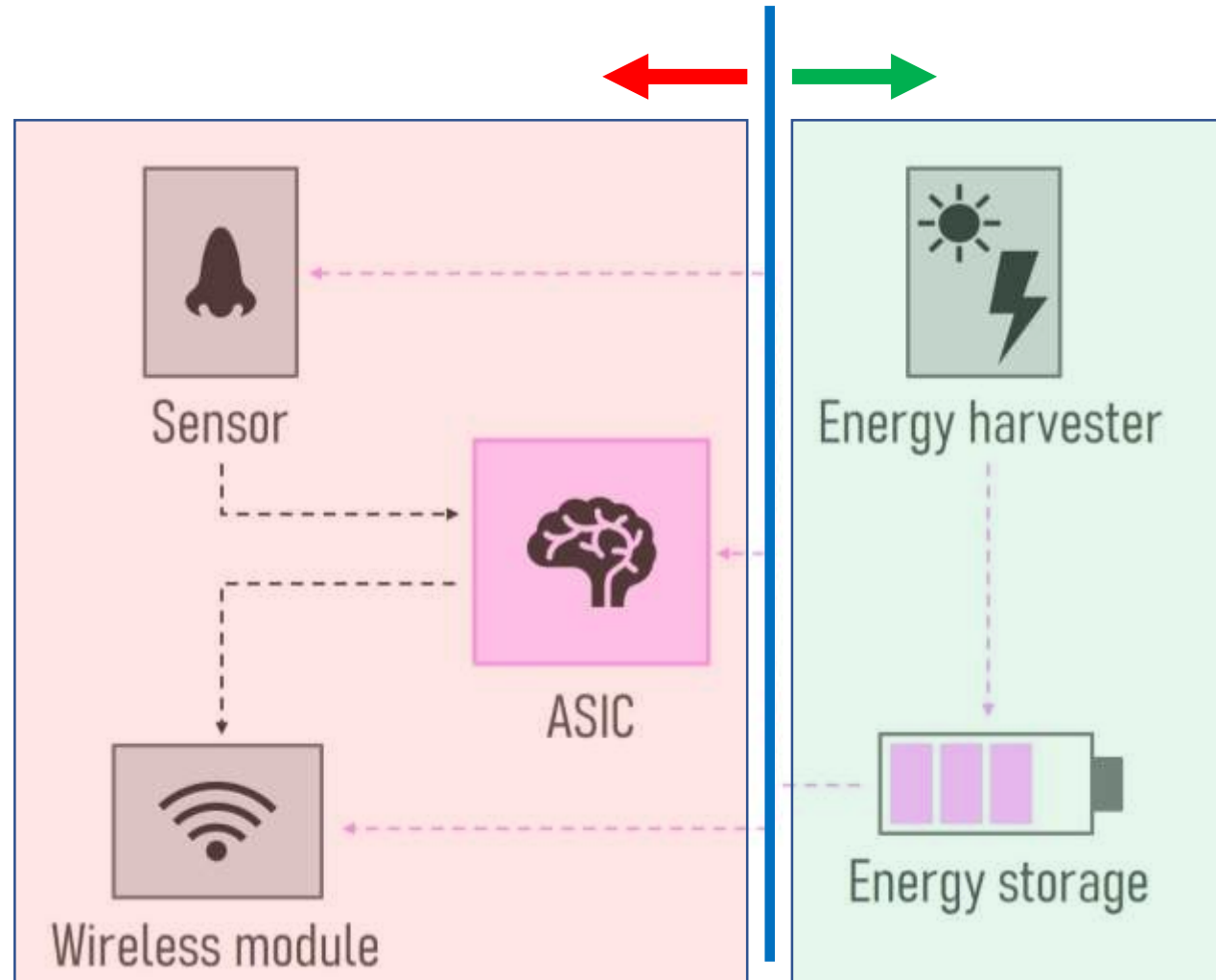


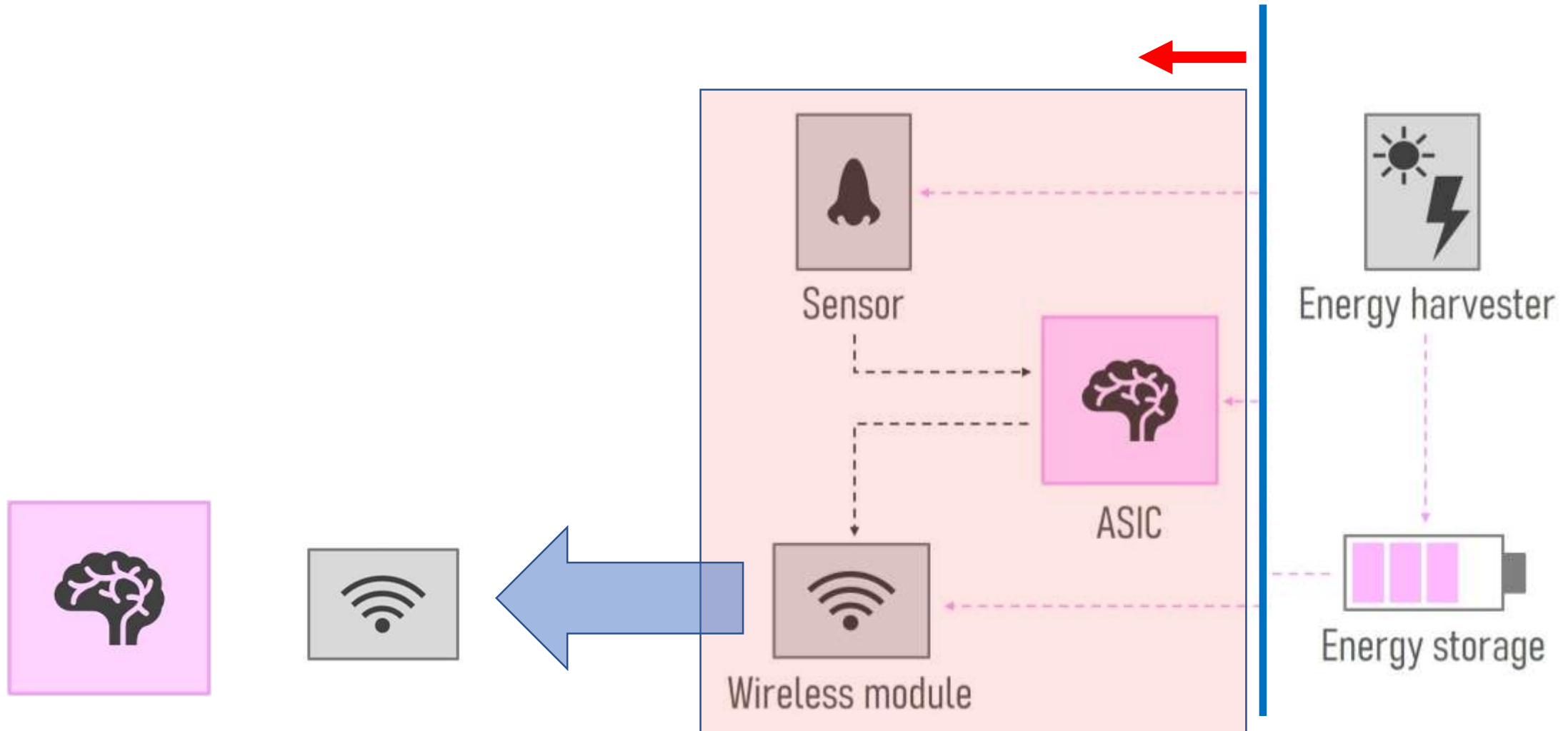
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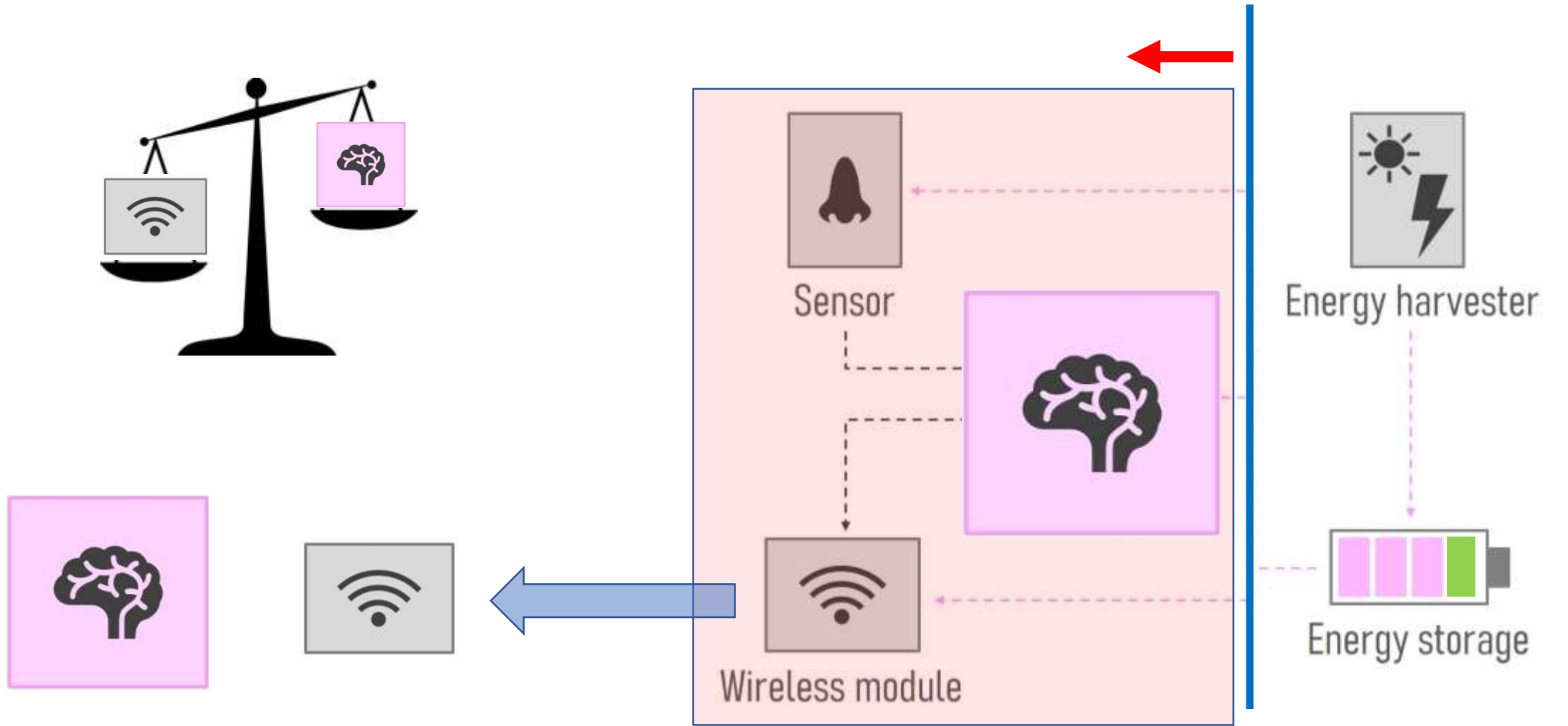
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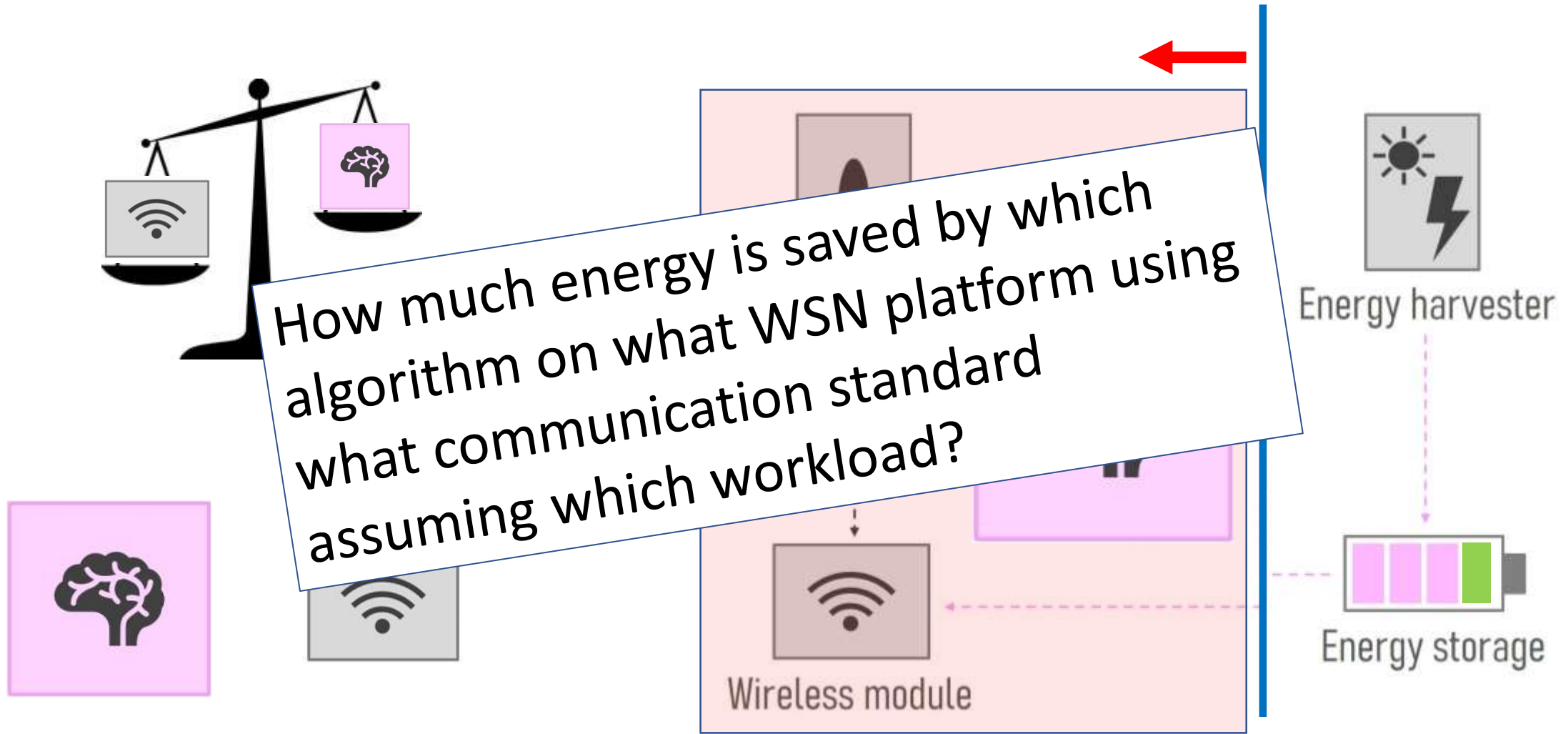




Central Computing Implies Communication!



Local computing and communicating less can save lots of energy!



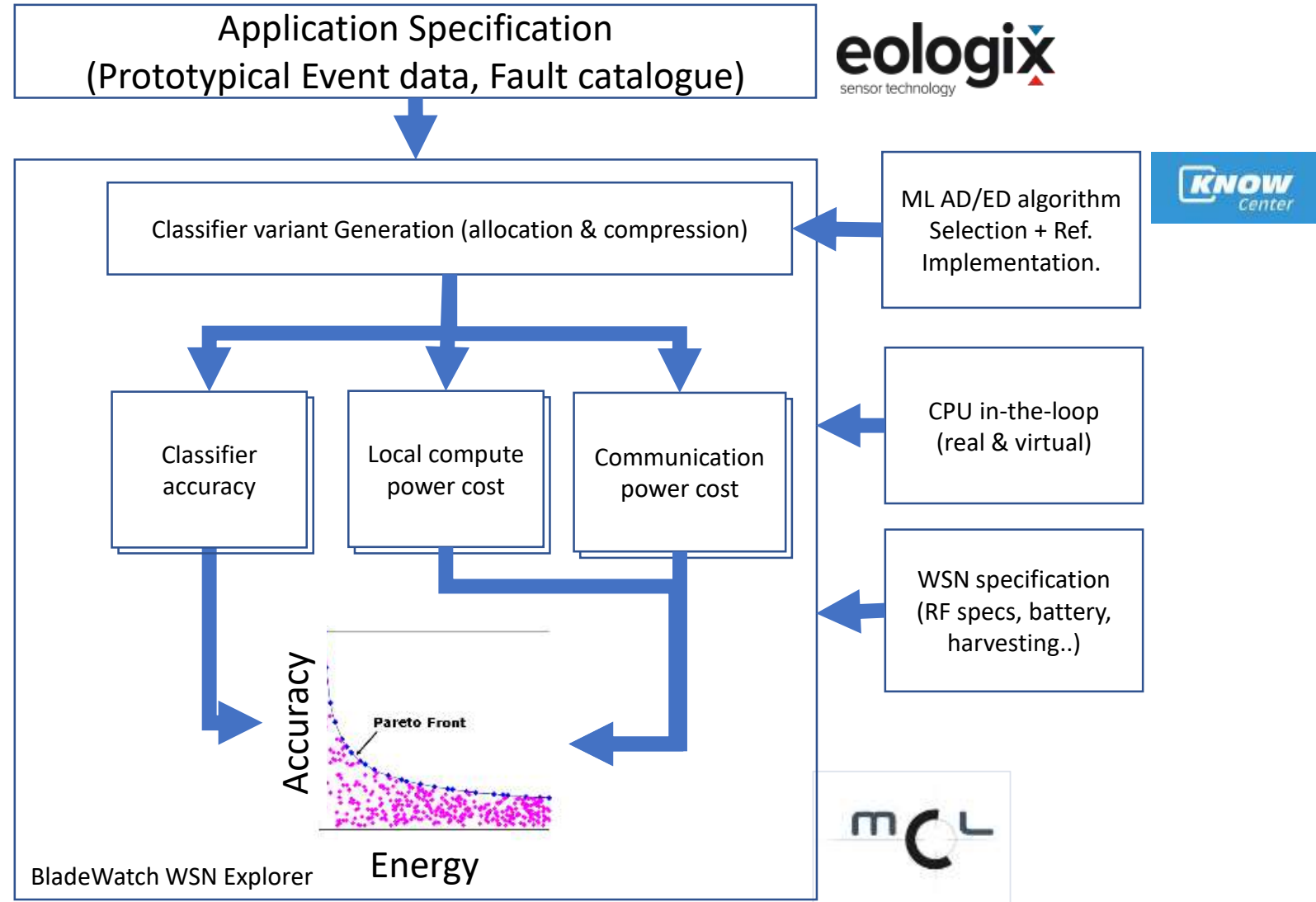
Local computing can save lots of energy!

“ [...] providing a software framework allowing the CM System designer to jointly evaluate energy harvesting strategies and partitioning strategies of modern ML-based fault-detection algorithms.”

Deliverables:

→ BladeWatch WSN Explorer

→ Case Study



Projekttitel: Increasing Wind Power Availability through
Energy-Autonomous Wireless Smart Sensors (Bladewatch)

Förderschiene: FFG „AI for Green“

Start / Laufzeit: 1.10.2022 / 36 Monate

Gesamtkosten: €755.260,-

Projektkonsortium:

- Materials Center Leoben Forschung GmbH (Lead), Contact: Lukas.Hanna@mcl.at
- eologix sensor technology GmbH
- Know-Center GmbH

Projektziel:

We aim at increasing availability and reducing cost of wind energy [...] by providing a software framework allowing the CM System designer to jointly evaluate energy harvesting strategies and partitioning strategies of modern ML-based fault-detection algorithms.



We innovate Materials

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Die FFG ist die zentrale nationale Förderorganisation und stärkt Österreichs Innovationskraft. Dieses Projekt wird aus Mitteln der FFG gefördert. www.ffg.at



Vielen Dank für Ihre
Aufmerksamkeit

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