LARGE Sustainability INPACT

With a small COMPETITIVE COMPONENT



INTERNET OF THINGS



ANY DEVICE



ANYBODY

ANYWHERE



ANY BUSINESS

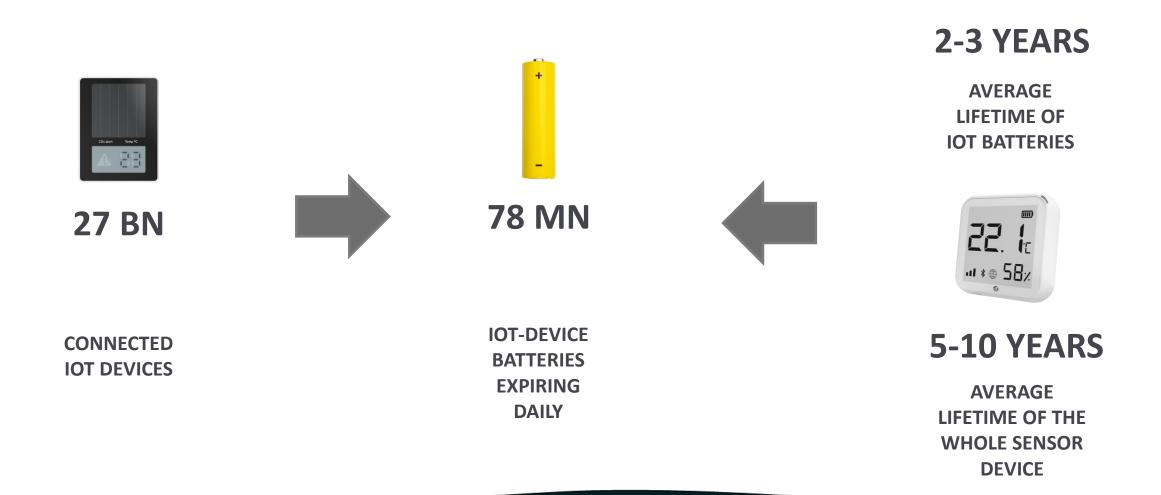


ANY NETWORK



ANYTIME

MASSIVE VOLUMES (+) BATTERY WASTE (-)



YEAR 2025

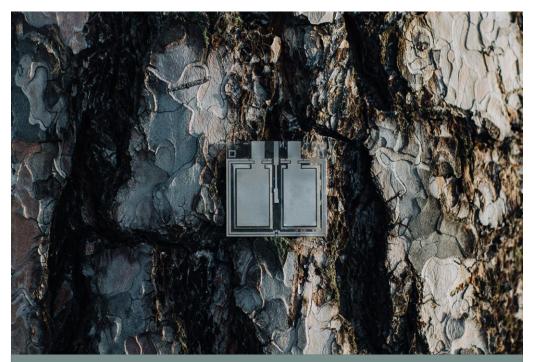
EVOLUTION OF IOT DEVICES THINNER, LOW TCO, SELF-POWERED

LIGNA ENERGY



TWO SOLID FOUNDATIONS FOR A UNIQUE SOLUTION

LIGNA ENERGY



SUSTAINABLE MATERIALS RECIPE, RE-USING WASTE FROM FOREST INDUSTRIES

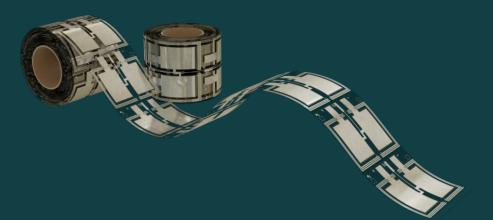


INNOVATIVE COMBINATION OF EXISTING ROLL-TO-ROLL PRODUCTION AND CONVERSION MACHINERY

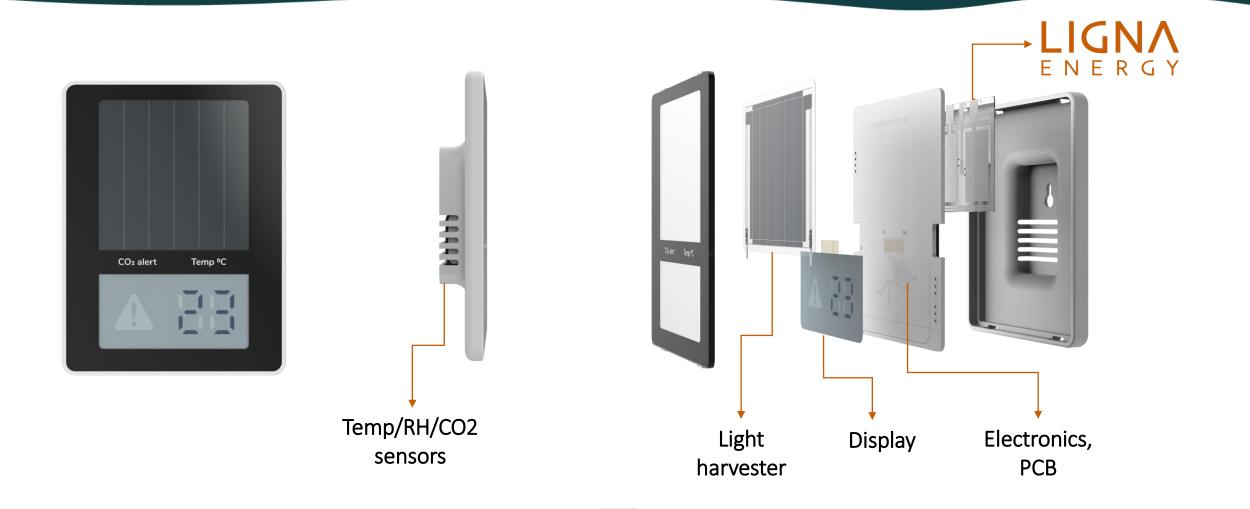
S-POWER

THIN FOREST-BASED SAFE

RECHARGEABLE BENDABLE COST-EFFICIENT

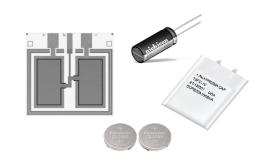


CUSTOMER EXAMPLE SMART BUILDING SENSOR NODE



SUSTAINABILITY IMPACT





10 – 100 kton



100 - 500 kton

LESS CO2 THAN COMPETITORS FEWER BATTERY EXCHANGES EFFECTS OF GREEN SENSING

3

LIGNA

ENERGY

500 mnton

SERVICEABLE MARKET AT BILLION UNITS LEVEL THREE FOCUS SEGMENTS

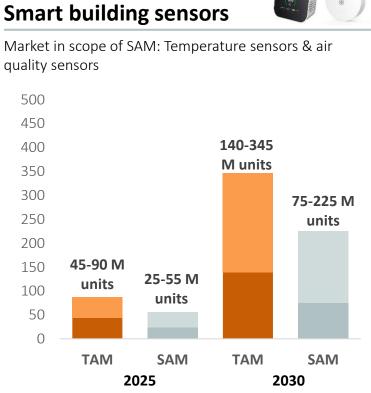
LIGNA ENERGY

Electronic shelf labels



Market in scope of SAM: E-paper



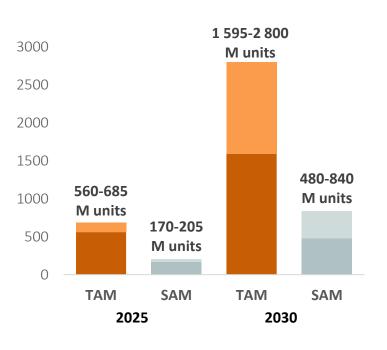




Asset tracking

SAM

Market in scope of SAM: RFID, BLE, LPWAN and UWB



TAM

🔶 High

Low <

SCALE-UP INVESTMENT €4-5M Production & Sales Acceleration

LIGNA ENERGY

2023 GO TO MARKET Equity 4M€

500k+ units Industrial production capacity

2nd product launch

Sales expansion Nordics & build distribution network

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2025-27 EXPANSION

Equity 20M€

25M+ units capacity

Sales expansion WW

Extension through sales reps

SELF POWER WITH S-POWER

The THINNEST and MOST SUSTAINABLE solution

"Profit for the planet"



PETER RINGSTAD CEO LIGNA E N E R G Y