

# SOUNDENERGY

Cooling buildings with zero electricity, zero CO<sub>2</sub> & GWP=0



Herbert Berkhout CEO

October 21, Berlin

# Cooling your office building with hot water

Electricity bill= zero

CO<sub>2</sub>= zero

Global Warming Potential= zero

LOW Maintenance, no moving parts

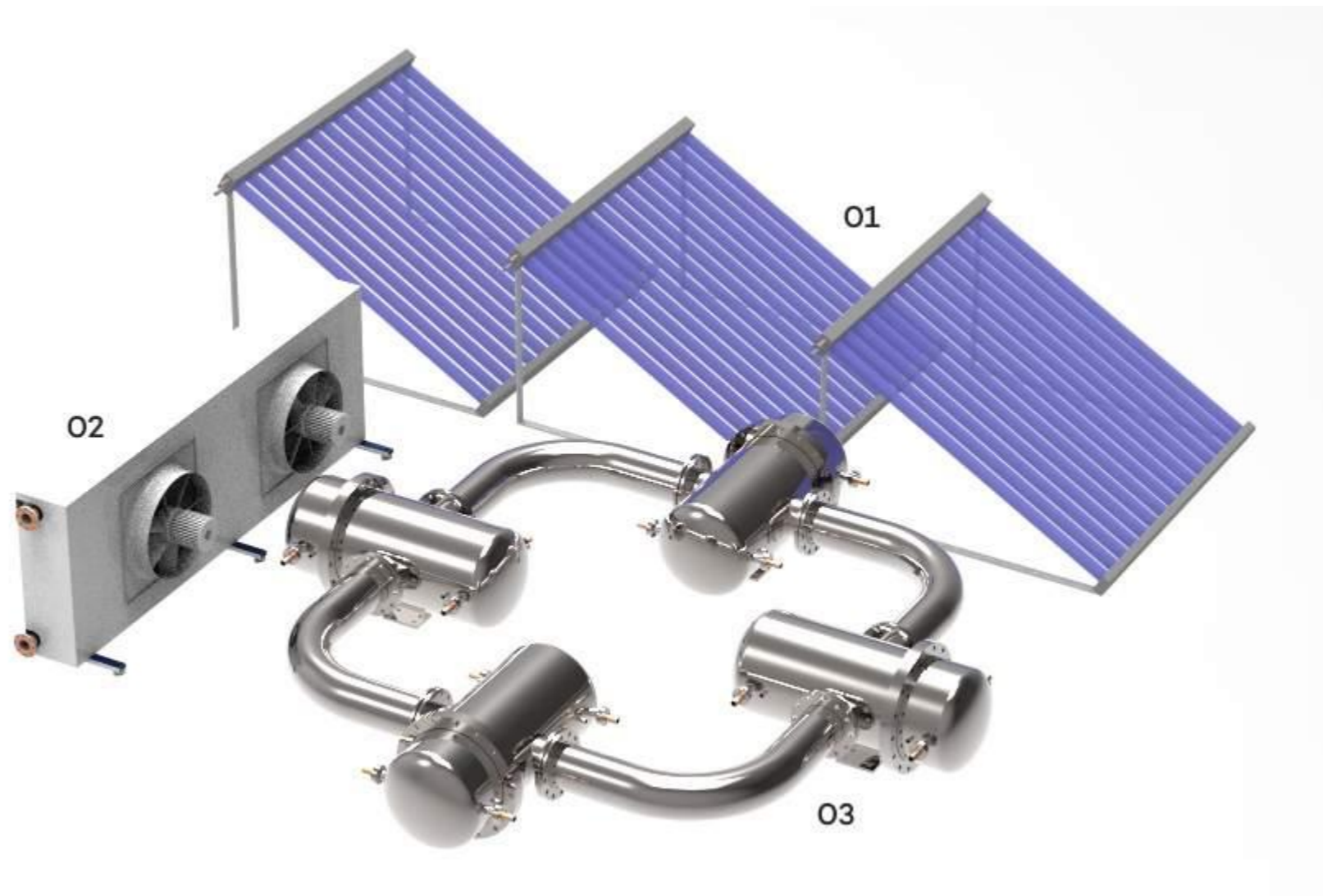
Waste heat from vacuum tube collectors or industrial proces

Synchronise you energy supply & demand

40% of electricty consumption for cooling buildings

# THEAC-25

THERMO ACOUSTIC ENERGY CONVERTER



# THERMO ACOUSTICS

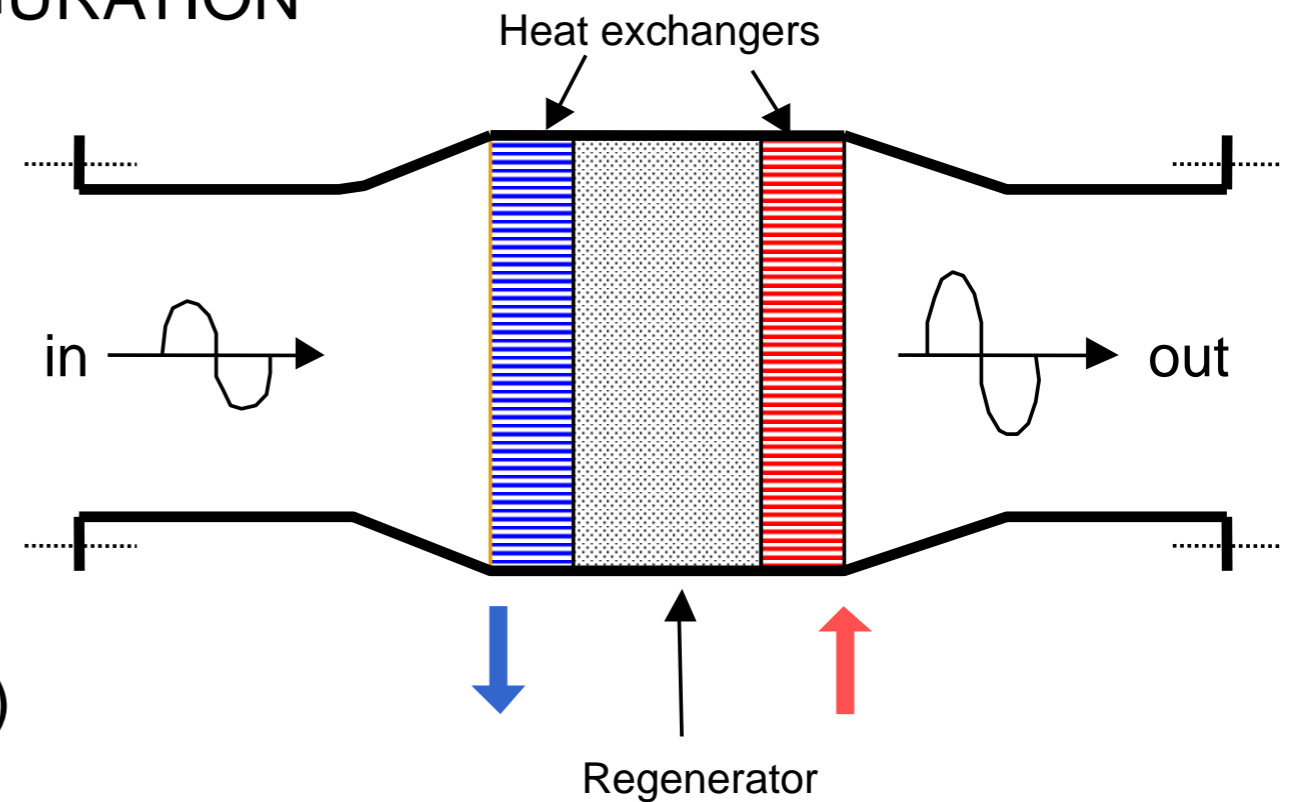
## HEAT MOTOR + HEAT PUMP CONFIGURATION

100-160°C fluid (vegetable oil)

Converted into 12-16°C (glycol)

Medium: 15bar Argon gas

Conversion by SOUNDWAVES (100 Hz)



# Cooling your office building for € 750,-/ kW

THEAC-25

120m<sup>2</sup> VTC

Dry Cooler

TCO 40k

ROI 7.3 yrs.

40% electricity reduction



HERBERT BERKHOUT

managing director

KEES DE BLOK

research/development

Dr. Ir. PAWEL OWCZAREK

production/operations

TOM DORRESTEIJN





marketing/communication

We are a customer driven / cost driven new technology company

# SOUNDENERGY

FUNDING	TOP Light / KennisPark Twente /KIC
I.P.	PCT second generation 17/09/2015
PROVEN TECHNOLOGY	PROTOTYPE [1]/ TFF/ 2015
LAUNCHING CUSTOMER	SENSATA OFFICE/ 2016
MARKET INTRODUCTION	THEAC-25 [1] Q3-2016 (NL)
MARKET INTRODUCTION	THEAC-25 [1] 2017 (SOUTH EU)
MARKET INTRODUCTION	THEAC-25 [2] 2018 (WORLD)

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