
CTProfiler 2.0

boost efficiency
of cooling tower



CTProfiler 2.0 service overview

CTProfiler 2.0 is designed to evaluate all sizes of natural-draft cooling towers in order to improve and maintain their highest efficiency. Usage of autonomous self-driven mobile units enables high precision thermal condition mapping of cooling towers including their main components, i.e. fills, water nozzles, drift eliminators and water distribution system. CTProfiler 2.0 is compliant with thermal test code CTI ATC-105.



SPEED

measurement
lasts up to
8 hours



FULL COVERAGE

autonomous
self-driven
mobile units



GUARANTEED PROFIT

up to 3%
of the overall
unit efficiency



RELIABILITY

multiple
cooling towers
evaluated

SERVICE VALUE

Following CT Profiler recommendations you get:

1%

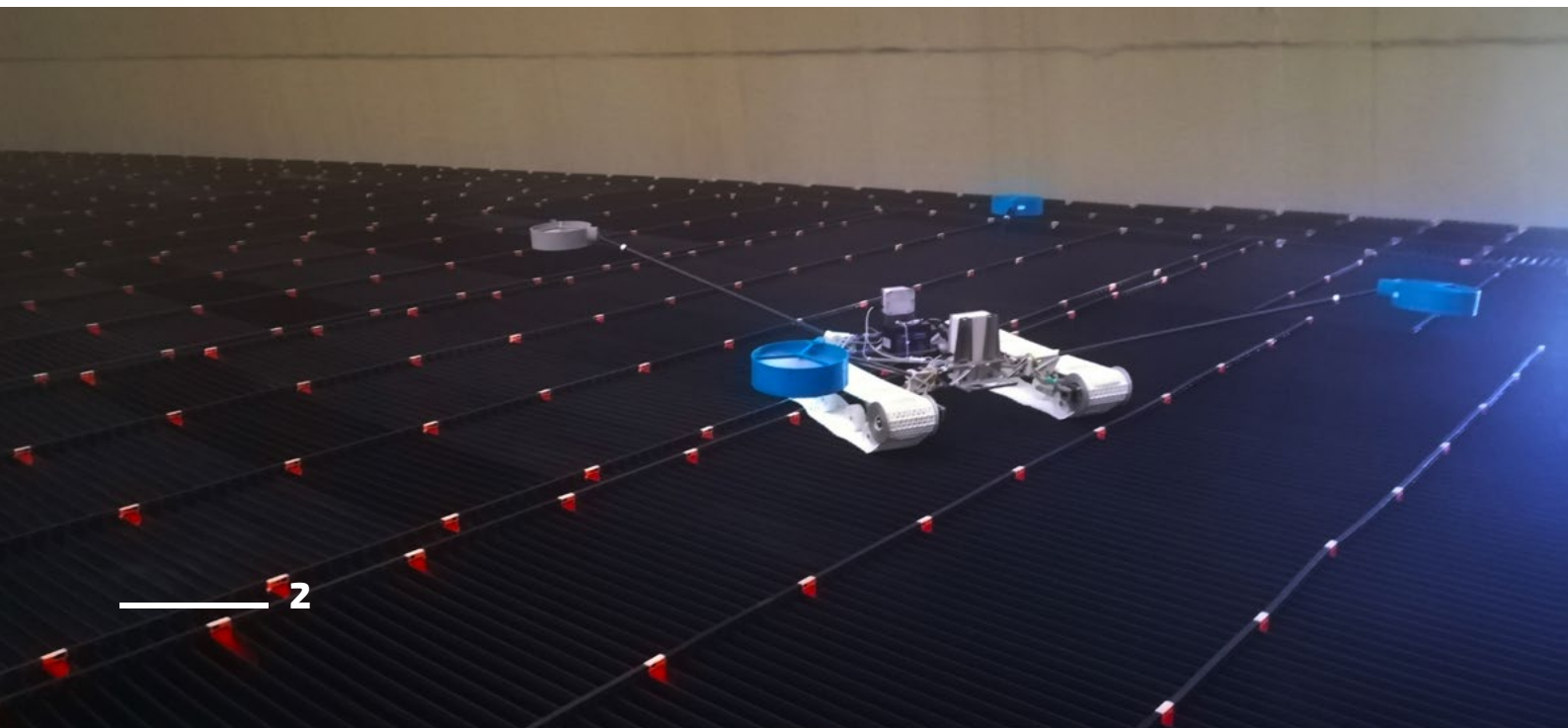
up to **1%** overall unit
efficiency boost with
a minor CT upgrade

3%

up to **3%** overall unit
efficiency boost with
a general CT renovation

2,3M€

savings per year
up to **1,5M€** on fuel
and **0,8M€** on CO₂ coupons



SERVICE STRUCTURE

STEP 1 ▶ HIGH-RESOLUTION COOLING TOWER PROFILING

TASK:

Mapping of local characteristics inside the natural-draft cooling tower by autonomous self-driven robots.

YOU GET:

In-depth knowledge about condition of cooling tower's main components.

STEP 2 ▶ THERMAL PERFORMANCE ANALYSIS

TASK:

Evaluation of the present working condition of the cooling tower with respect to its design parameters

YOU GET:

List of anomalies, damages and degradation with repair suggestions

STEP 3 ▶ COST-BENEFIT ANALYSIS

TASK:

Estimation of power plant efficiency boost taking into account the costs of repair

YOU GET:

Investment vs. cost financial analysis considering long-term plant's operation

SELF-DRIVEN MOBILE UNIT

TECHNICAL SPECIFICATION

Driving mechanisms	250 mm caterpillar tracks designed for drift eliminators
Communication	Remote control (self-driven)
Sensors	<ul style="list-style-type: none">• 4x air velocity• 4x temperature• 4x humidity• 1x surveillance camera
Acquisition speed	~100 m ² /h
Casing	IP65
Power supply	Li-ion Polymer Battery

CONTACT US

amc VIBRO Sp. z o.o.
Pilotow 2e
31-462 Krakow, Poland

Phone:
T: +48 (12) 362 97 60


Sales:
T: +48 (12) 362 97 63

info@amcvibro.pl
www.amcvibro.pl



SEBASTIAN GLEŃ

Sales Engineer

 +48 784 052 925

 sglen@amcvibro.pl

