

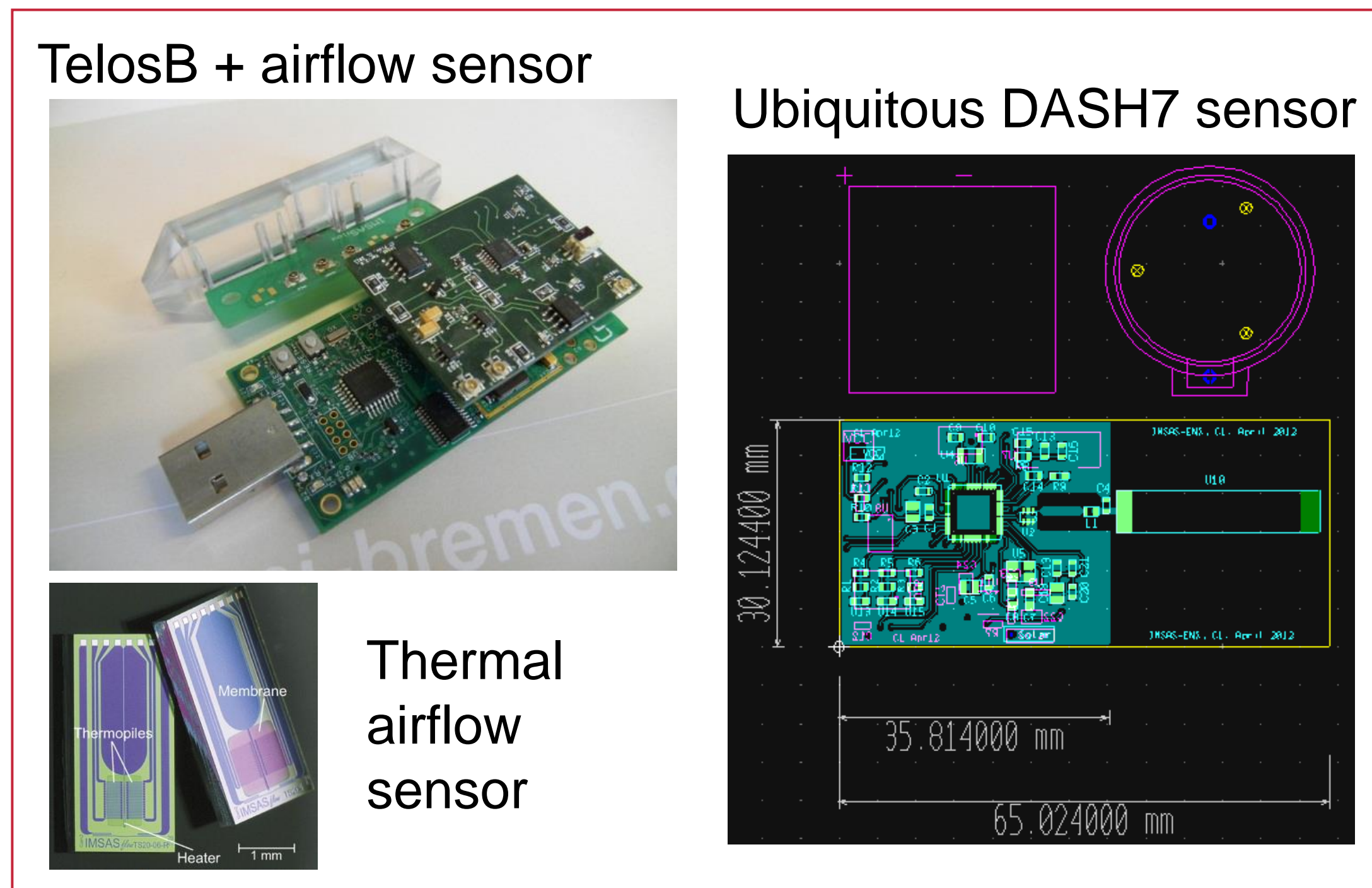
# Airflow pattern analysis in containers

DASH7 inspired airflow sensor networks in banana containers



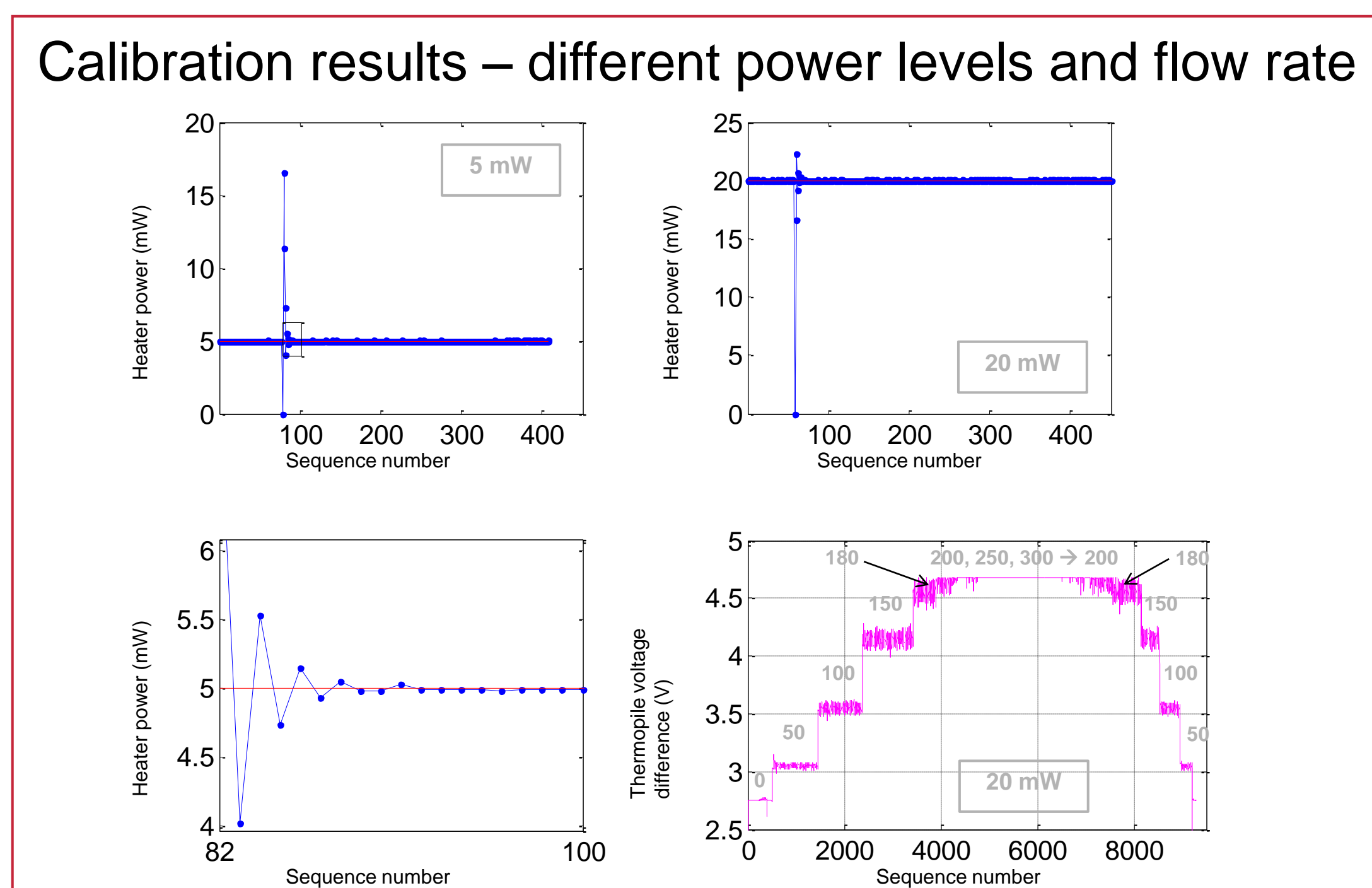
## Motivation

- Temperature inhomogeneity in fresh produce transport containers
- Quality degradation due to temperature hotspots
- Lack of credible research in local airflow pattern recognition in temperature-controlled containers



## Methodologies

- Analysis of best-suited calibration techniques for thermal airflow sensors
- DASH7 inspired wireless, ubiquitous airflow sensor network for local airflow speed measurement in containers
- Airflow and temperature temporal analysis in banana pallets and boxes



## Expected results and objectives

- Establishment of credible and reliable airflow data sets in banana containers for analysis
- Airflow pattern and behaviour determination in refrigerated containers
- Implement fore-warning system to compliment temperature related quality degradation systems for banana transports using Airflow vs. Temperature analysis

