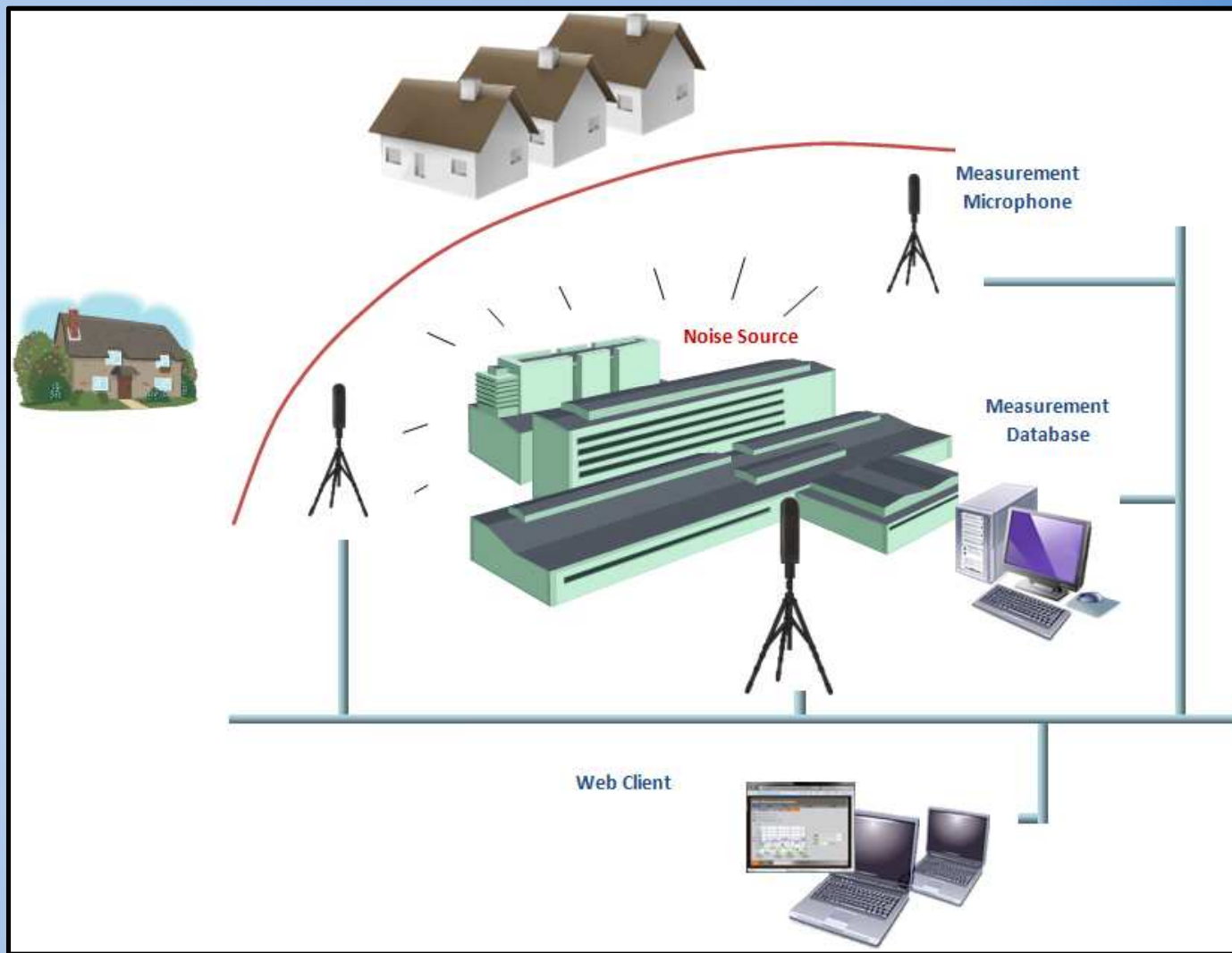


Web-based

# Noise Monitoring System

Maskindynamikk AS

# Noise Measurement 24/7



# Main Features

## •Data Acquisition

- 1.High precision outdoor microphone
- 2.Accurate measurement system with wide dynamic range and filters
- 3.24/7 continuous data collection

## •Data Processing

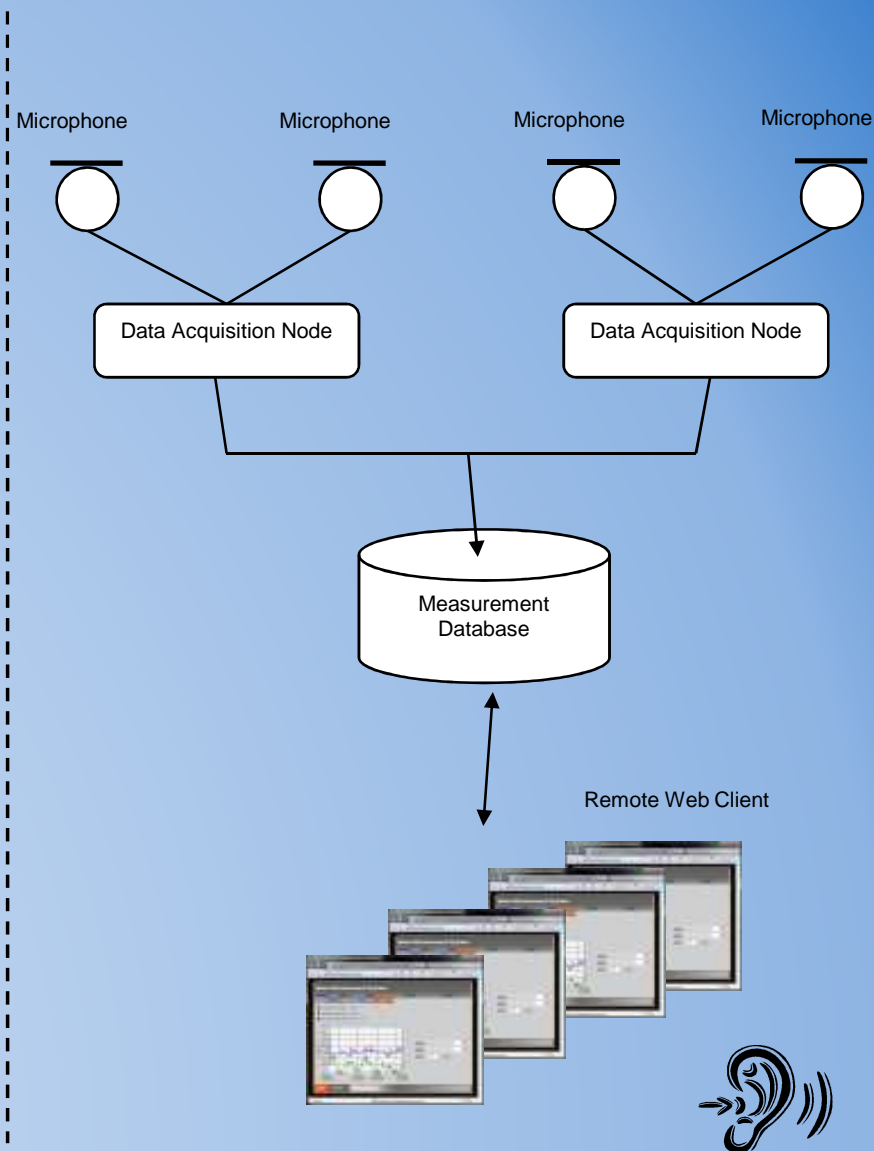
- 1.Noise level calculation
- 2.Octave band analysis
- 3.Time and frequency analysis
- 4.Alarm system
- 5.Level-triggered automatic and manual sound recording

## •Data Storing

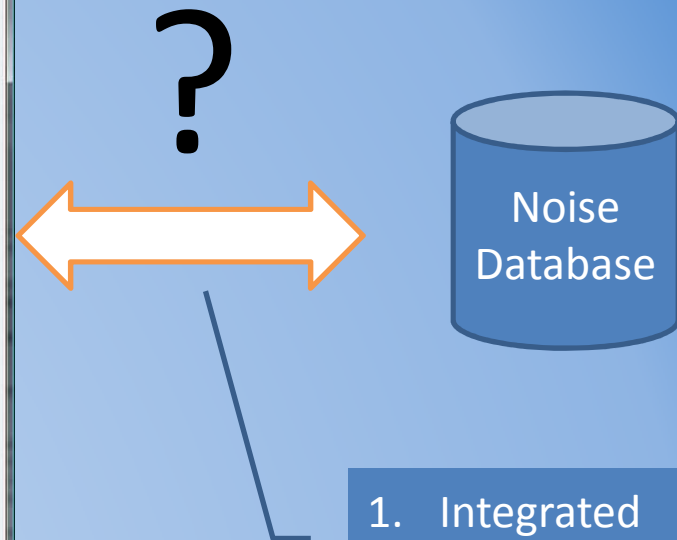
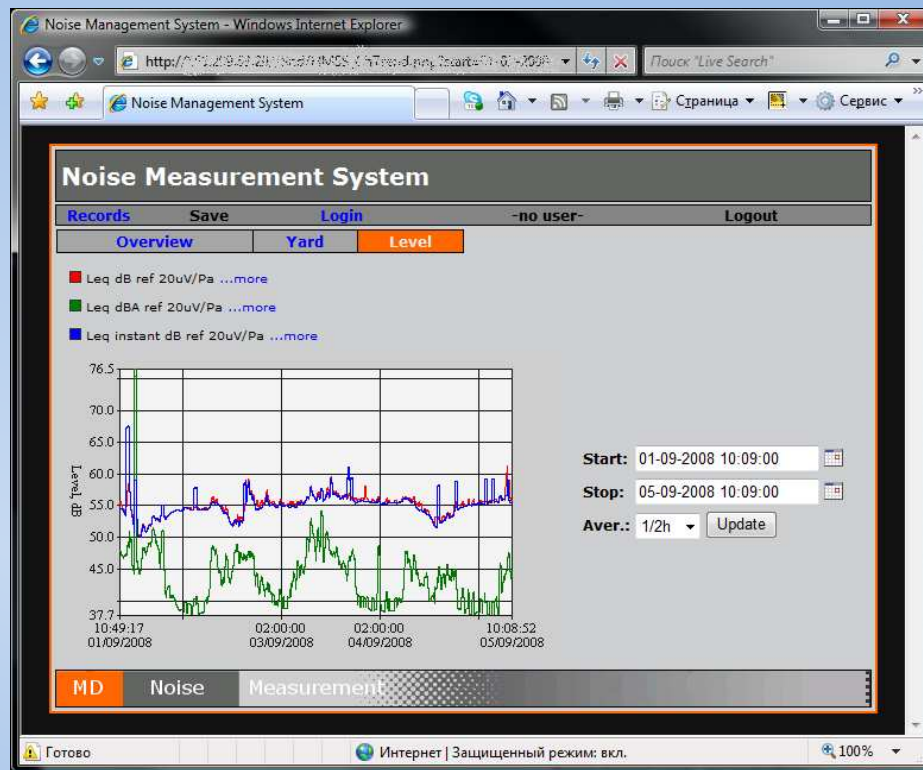
- 1.High-capacity database
- 2.Noise level trends
- 3.Sound records database

## •Presentation

- 1.Advanced record analysis software
- 2.Online monitoring using web browser (IE, Firefox, Opera)
- 3.Records playing functionality
- 4.Remote monitoring



# Web-based trending

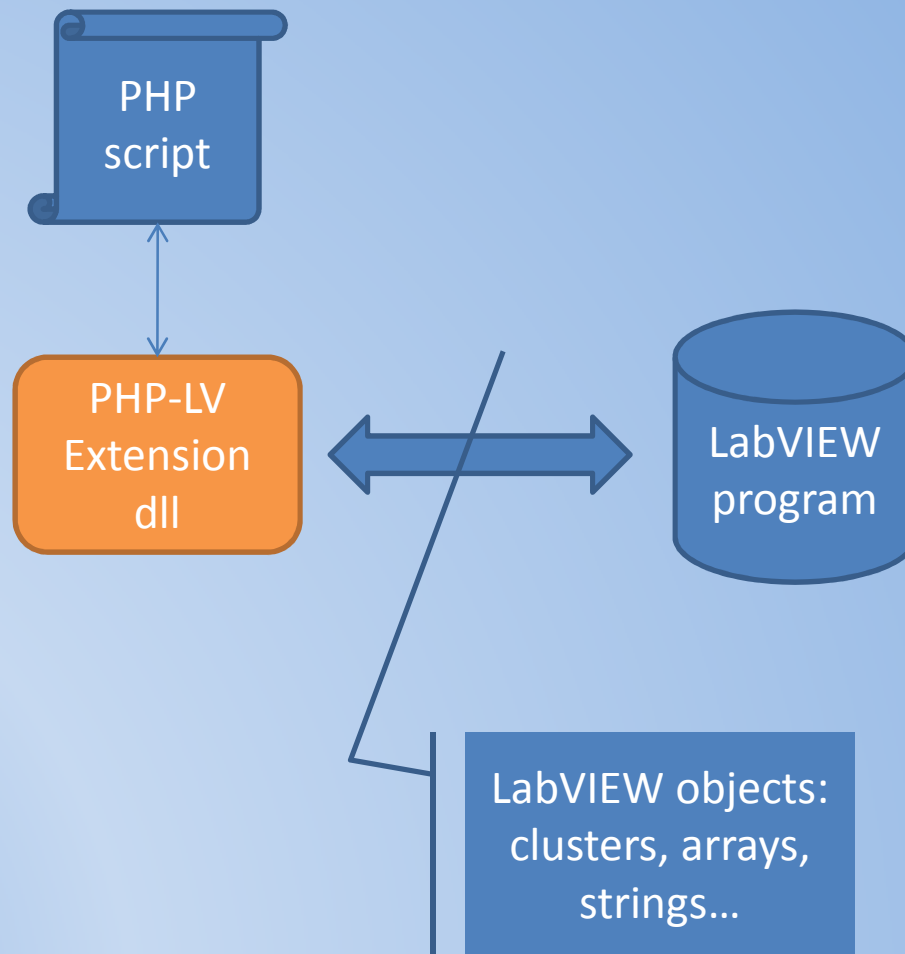


## Requirements:

1. Active web pages with user-selectable parameters (time span and averaging control)
2. Graphical data representation (trends on a time history graph)
3. Records playing

1. Integrated LabVIEW web server
2. Web-industry standard technology

# LabVIEW and PHP integration





# Factory Noise Monitoring



One or several outdoor microphones are located on factory's perimeter.

Continues noise level reporting to a central database via Ethernet network.



Compact data acquisition unit with NI USB instrument.