

Vision-based Visibility Measurement

Automated representation of complete visible range





The Task

- Automated evaluation of visibility and distance for every single camera
- Using all suitable cameras for getting a complete representation of visibility at your location

Capabilities

- Works with off-the-shelf cameras
- Measurement of visibility and distance
- Can deal with various weather and daylight situations

Your Benefits

- Frequently updated information about visibility
- Plausibility check of local visibility sensors
- Less stress for operators in critical situations

Integration

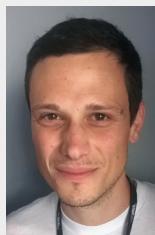
- Customized solution for your specific airport requirements
- Can be integrated into existing surveillance systems
- Customized and standard reporting (e.g. METAR)

Some Words from Our Customers



Markus Kerschbaum
Austro Control

"Plausibility checks of our sensors have always been crucial for us – this visibility measurement is the solution for that. Furthermore it is an important step towards automatization."



Stefan Mayer
Austro Control

"This solution supports operators in their routine workflow in an optimal way and is essential for remote observation."



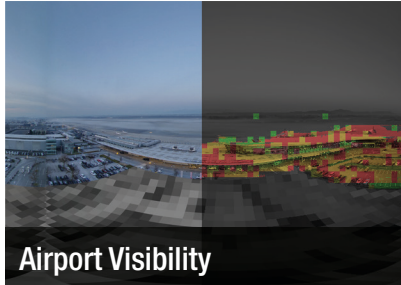
Thomas Kratzsch
Deutscher Wetterdienst

"This system has the potential to complement an automatic observation network and to support our advisors."

austro
CONTROL

Deutscher Wetterdienst
Wetter und Klima aus einer Hand

Customer Scenarios



Airport Visibility

- Prevailing visibility
- Ground fog detection
- METAR plausibility check



Approach Monitoring

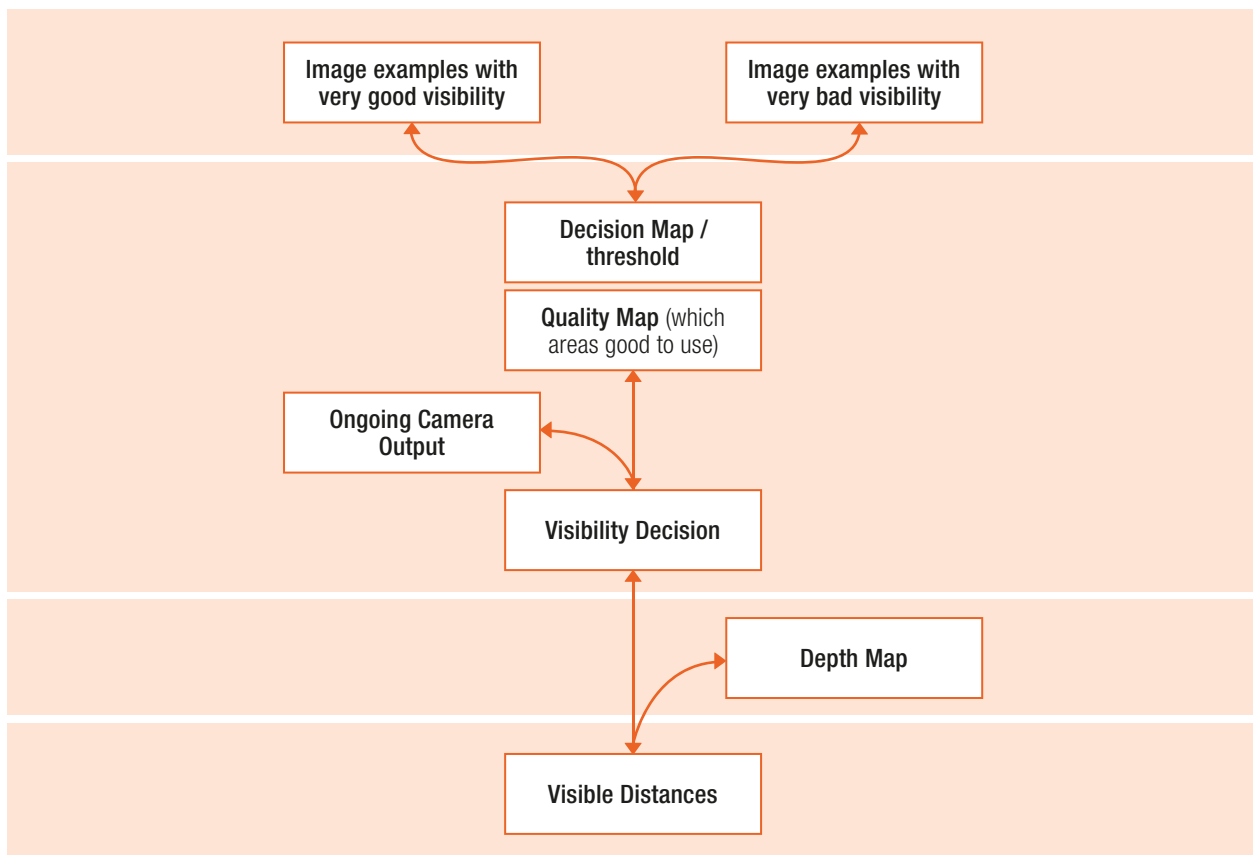
- Air traffic control clearance for a visual approach
- Observing hidden parts of approach (e.g. behind mountains)
- Mapping the approach into different surveillance camera images



Critical Infrastructure

- Road visibility for traffic control systems
- Industrial monitoring
- Monitoring of large harbours for port piloting

Technical Details



vislvis® has been developed on the basis of several research projects within the Austrian funding programme TAKE OFF.

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MeteoSolutions GmbH

is a specialist service provider for meteorology when it comes to developing individual software systems to process meteorological data and applies special meteorological procedures, or when scientific, technical software support is required during meteorological research and development.



TECHNICAL INFORMATION

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and Communication Technologies**

Dr. Harald Ganster

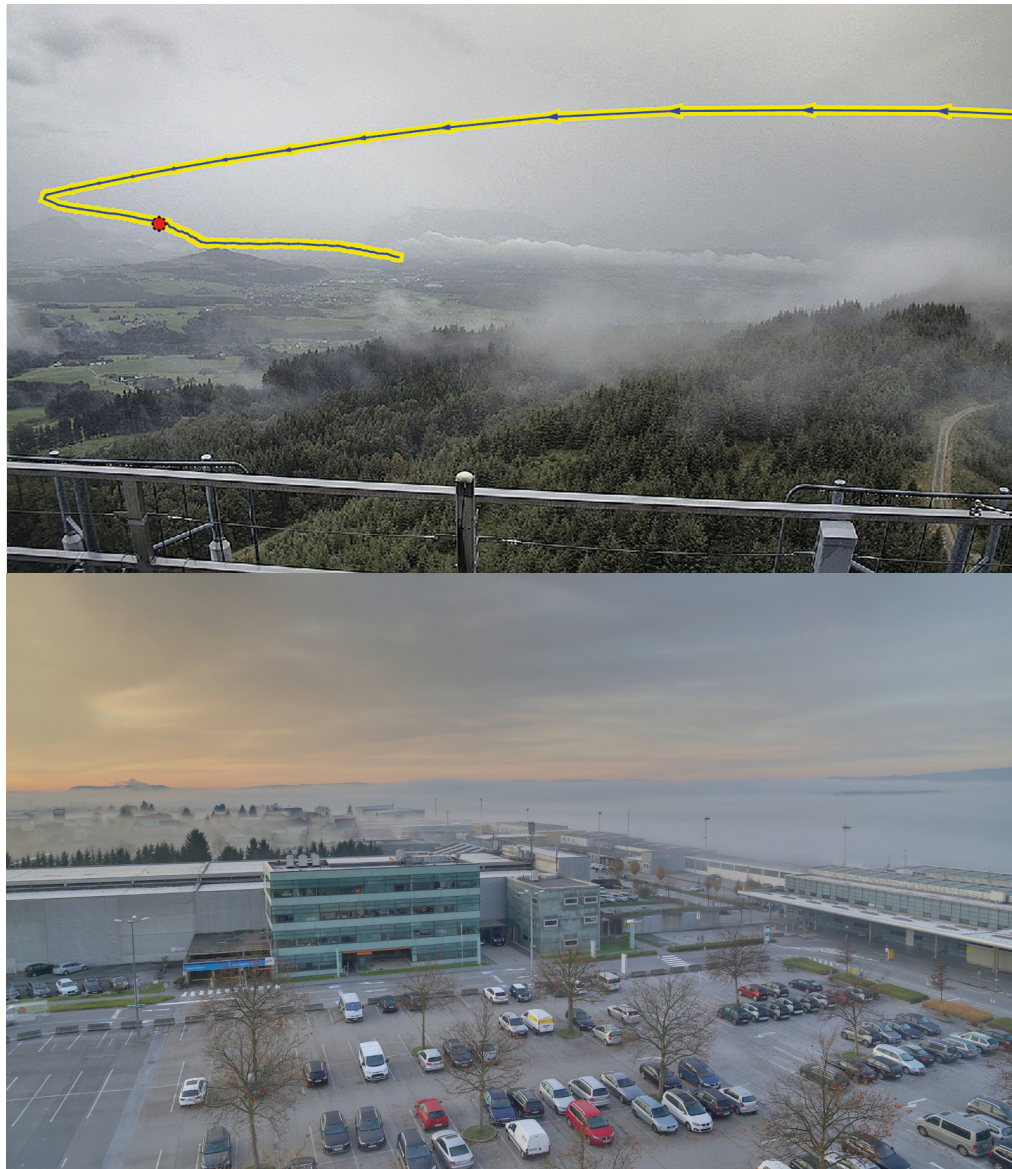
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