



The Power of Autonomous Drones

**KVS** technologies

# End-user needs

Every year, utility companies use traditional inspection methods to visually inspect thousands of kilometers of power lines, and regularly inspect the condition of critical components in remote areas. However these methods are:

- Hazardous
- Labour-intensive / inefficient
- Linked to inconsistent, unstructured data



# Our Solution

How do we solve these issues?

# Our Solution

*We monitor the health of the power grid in real time and deliver actionable insights to our customers in a safe and efficient manner.*

KVS Technologies has created a software platform that allows any industrial drone to be used as an autonomous inspection tool, replacing traditional methods.

The drones can be placed on the customers' power grid inside a drone hangar. They are operationally ready and can be mobilized within minutes. KVS Technologies' software makes it possible to manage and remotely operate a fleet of different drones for autonomous data collection from anywhere in the world, without the need for personnel in the field. The necessary data is collected in real time and is available on KVS Technologies' cloud-based customer portal.

KVS Technologies also helps companies learn from historical data, so that errors and faults can be identified quickly and safely.



# Lessons Learned

From prototype to production

# The Scale



# Consistency



# The Gap

What research is needed?





# Contact Info

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