# Computer Vision for Vertical Farming

Vertical Future is developing Controlled Environment Agriculture (CEA) systems to grow healthy and nutritious crops. Vertical Future R&D facility is located in South London, Deptford. There, microcontrollers and sensors are used to monitor, control and research the optimal growing conditions for each crop such as lighting spectrum, nutrients delivery, airflow. A key area of research Vertical Future would like to engage with is the field of computer vision.

The project would be partly technical - the process of building a prototype for crops’ image analysis and developing a framework to distinguish between “healthy”, “unhealthy” crops. Another part of the project would be to define at which stage of the growing crop cycle, there would be a need to implement computer vision.

Vertical Future is also happy to discuss and consider other research projects.

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