Quercus Technologies has recently launched BirdWatch - an innovative, centralized and powerful software platform that includes several scalable capabilities based on license plate recognition and advanced vehicle detection technologies. The platform aims at providing total control of vehicle movements in/around the car parks, leading to smart parking management and improved security.

BirdWatch added-value and innovation in the market relies on the integration and of data collected by its 6 interconnected capabilities (Car Access, Image Review, CCTV, Spot Control, Lighting, Mobility) into a single web-based platform. Information provided by all capabilities ranges from obtaining queue occupancy levels outside the parking facilities, controlling all vehicle movements and security through global license plate recognition and videosurveillance at entries/exits and inside the facilities, and up to controlling the lighting according to vehicle motion detection or occupancy on each floor.

Spot Control capability is one of the most ground-breaking capabilities included in the BirdWatch Suite. It provides maximum control at each parking spot through an advanced All-in-One parking guidance sensor that indicates the availability of spaces and provides videosurveillance of each parking space, and at the same time identifies with high reliability the exact spot where vehicles are parked through license plate recognition. All detection features, including the license plate recognition process is performed inside the unit itself which guarantees the robustness of the solution.

The launching of the All-in-One Spot Control sensor with embedded LPR and of the whole BirdWatch Parking Suite represents a step forward towards an even more interconnected, technologically advanced smart parking management.
About the company

Quercus Technologies manufactures and markets **smart vehicle detection units based on advanced computer vision algorithms**, which aim at improving mobility and security in parking facilities.

Quercus Technologies manufactures advanced detection solutions that improve mobility and security in parking facilities and is worldwide known for its **highly reliable license plate recognition (LPR) technology**. Quercus solutions include **All-in-one LPR units, parking guidance and LPR-based spot monitoring units, videodetection, NVRs**, and the **innovative software parking suite, BirdWatch**, that relies on all these smart technologies and provides **total control of car parks**.