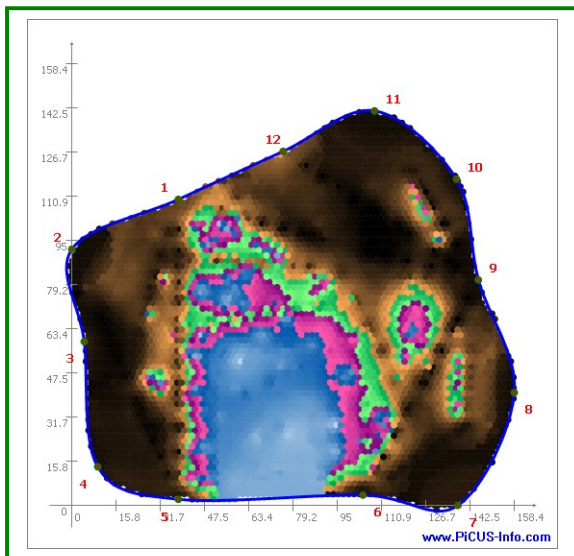
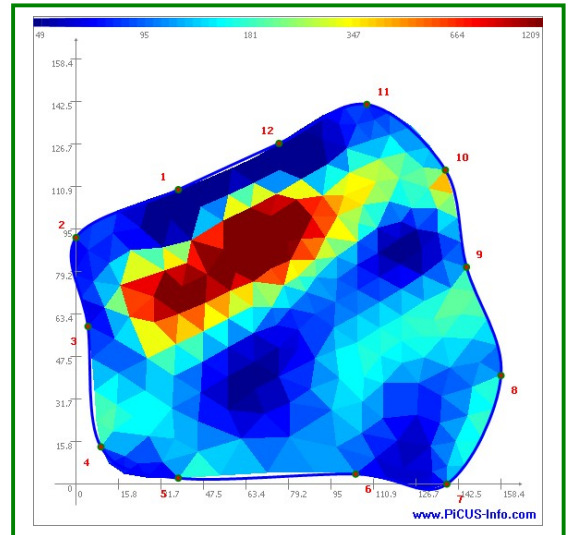




We would like to introduce a new non-injurious method of assessing the presence of decay in standing trees in addition to allowing an assessment of the internal condition of wood in trees to be made. The system used is **The Picus TreeTronic – Available Now.**

The Picus TreeTronic is a device that uses electric current / voltage measurements to map the electrical resistivity of the cross section of a tree. The electrical resistance (or in other words, the ability of the wood to transmit electric current) depends on the moisture content, cell structures, and chemical composition of the wood. All of which can be altered by fungal activity or defects within a tree.

This system combines with our existing **Picus Sonic Tomography**, which allows non-injurious assessment of trees by means of sound waves, which helps identify changes in the physical characteristics of wood and can help identify areas of changed wood or structural defects.



Both Sonic Tomograms (SoT) and Electrical Impedance Tomograms (EIT), provides detailed information upon the internal structure and the extent of fungal activity – which allows a comparison of actual moisture patterns against those forecasted. In combination, these provide a greater level of understanding of a tree's condition, allowing a more accurate assessment of the tree's internal condition enabling appropriate management to be specified.

Further information available on our website

www.barnesassociates.co.uk

Contact Ian Barnes on 01423 322371 or ian@barnesassociates.co.uk

We provide further assessments and second opinions for Local Authorities, Tree Consultants and Tree Owners, requiring detailed information, to make informed management decisions. These systems have been useful in identifying trees with significant faults, often beyond any recognised safe limit, in addition to helping defend trees highlighted for removal based on flawed or exaggerated visual assessments. The combination of these systems has been instrumental in saving trees, which would have previously been lost.