



Land Management Support

# Digital Mapping for Estates

Mapping Systems | MAPS | Map Preparation Service | Training & Technical Support

Software  
that supports  
estates

Digital mapping enables you to create a comprehensive central record for all information pertaining to your estate. With customers throughout the UK, Pear Technology specialise in providing digital mapping systems for rural estates, from smallholdings to some of the countryside's largest properties.

We provide affordable software that is easy to use but powerful enough to handle the most complex estates and farms.

Through our licence agreement with Ordnance Survey, we can supply site-centred OS large-scale base data or fully prepared, ready-to-use maps. In either case, cost is based on the owned/occupied area.

# Mapping Systems

Pear Technology mapping systems can be used in all areas of estate, farm and forestry management including:

- Tenancy plans
- Property management
- Land registration
- Field margins
- Cropping, waste and nutrient plans
- Entry Level System/ Single Farm Payments
- Forestry management
- Tree management
- Game cover plans
- Shoot drives
- Event planning
- Rights of Way
- Wayleaves/ easements
- Utilities
- Planning Applications
- Sporting rights
- Contracting
- Land Registry electronic exchange



# MAPS

## MAPS Software

**MAPS** software is a powerful but easy to use programme that is particularly suitable for estates, large farms and forestry where smaller sub-maps may often need to be created.

**MAPS** includes a tool called **Schedule Maker** which enables schedules to be created for different tenancies, ownerships, woodland compartments etc.

New information can be added to a digital map as a series of overlays e.g. a set for residential lets, another set for ownerships, others for tenancies, utilities etc. The **MAPS** software is particularly good at helping you manage a large number of overlays. In just a few mouse clicks, you can switch from a tenancy map to a cropping map to an ownership map and so on. The map acts as a single file holding all your information, even though you may choose to make some of it non-visible. You can print the whole map or sections of the map at any scale and on any size paper, measure areas and distances accurately, add and remove features, highlight areas – in fact, illustrate any type of information you would need to record. You can of course, save any number of different maps so you can easily look back at previous plans.

### Main Features:

- Automatic area and length measurements
- Easy boundary modifications
- Colour areas for cropping, tree species, tenancies etc.
- Capable of handling any number of layers
- Cut out sections from a map to create a map of a particular area
- Print at any scale on any size paper
- Import all types of Ordnance Survey data including aerial imagery
- Import/ export to many different formats including CAD
- Import/ export to GPS
- Zoom-sensitive layering and the ability to group layers into themes
- Precision Farming module
- Network capable

## Map Data

- Maps can be supplied as site-centred Ordnance Survey base data or as a ready to use, prepared map (see Mapping Services)
- Payment is based on owned/occupied land area, not intervening areas or the bounding rectangle
- Simple administration in the form of a single annual payment with no need to count prints
- Maps are based on the latest Ordnance Survey 1:2500 vector data as used by DEFRA, RPA and other government agencies
- Maps can be seamlessly integrated with leading estate, property, woodland and crop management software such as Pear Technology's **Fieldman Farmer** as well as Microsoft® Excel® and Access® programs
- Maps can be used with hand-held data capture devices
- Maps can also be based on aerial photographs, GPS-data, CAD or any combination

## MapLink

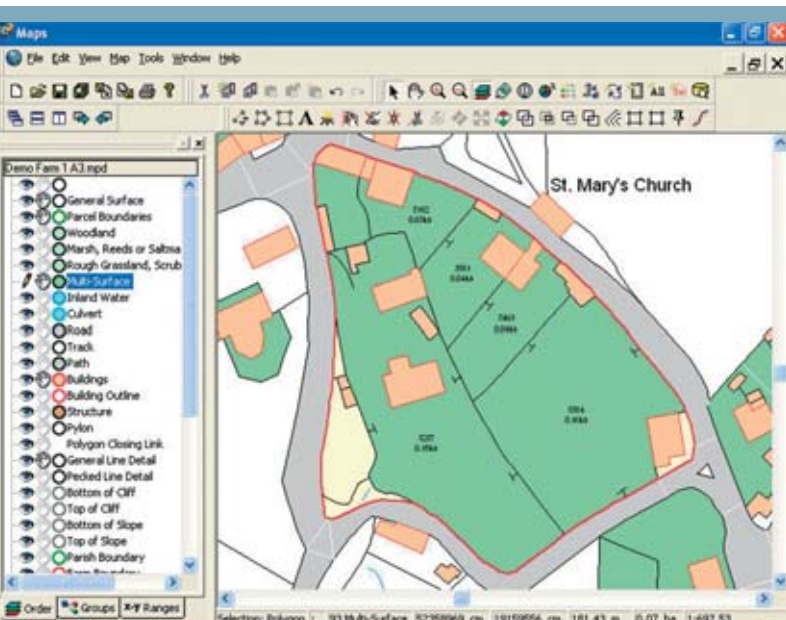
**MapLink** provides a fast, effective and affordable means of linking digital maps with many data sources. Once a **MapLink** has been created using a simple wizard, records can be updated from the map, reports generated and printed and the whole or any part of the map printed at any scale. You can save the **MapLink** and return to it at any time. **MapLink** turns your digital map into a Geographic Information System (GIS).

### Main Features: Woodland and Tree Management

- Simple to use
- Low cost
- Rapid and clear visualisation of data
- One-click switch between map, data and report
- Can be linked with third-party software
- Compatible with MS Excel® and Access®
- Controls the colour, size and style of markers
- Can be used in conjunction with GPS data capture devices

### Example Application: Woodland and Tree Management

- Place tree locations on your map, highlight those due for inspection, locate a given tree or trees, highlight one species vs. another
- Click on a woodland compartment and its records will be immediately displayed. Compartments due for thinning in a particular year can be highlighted on the map and printed as part of a work plan
- Management reports can be produced directly from the map and maps printed to your specific needs
- Records can be updated from the map



# Map Preparation Service

Using **MAPS** in conjunction with Ordnance Survey's *MasterMap*® vector base data, users can create their own finished estate map. However, for newcomers to digital mapping, this is a time-consuming process and often delays users from reaping the benefits of their investment. That is why most Pear Technology customers choose to have their map prepared through our map preparation service, where a completed map is supplied ready for use.

## Map Preparation:

After importing the necessary Ordnance Survey base data, the digital map is tailored for the estate as follows:

- Layer structure simplified making the map easier to use
- Layers added for estate/farm ownership, field, woodland boundaries, etc.
- Working from customer-supplied paper plans, the estate boundary including field and woodland boundaries are separated from the surrounding countryside, so that the owned/occupied area is highlighted on the map
- Parcel numbers and areas for all owned/occupied land are added, since these are not shown on the base OS data
- The finished map is given a frame, OS grid lines and numbers and a title box

## Training & Technical Support

### On-site Support:

As critical information concerning tenancies, conveyances, etc. cannot always be released from the estate office, we will assign a mapping specialist to work on-site in order to complete the maps. Our aim is to offer a service that ensures that the introduction of digital mapping technology goes as smoothly as possible.

### Training:

Our aim is to supply products that require minimal instruction, even for non-specialists. However, digital mapping does require some background knowledge. We offer to provide training that is tailored to your needs and carried out either on-site or at our premises.

### Technical Support:

We have a reputation for friendly and accessible support. With all our products, we offer optional technical support, which means that we are only a standard rate phone call away. You will also receive software updates free of charge (excludes version upgrades).



Land Management Support

Pear Technology Services Ltd.  
Unit 31 Broadmarsh Business Centre  
Harts Farm Way, Havant, Hampshire PO9 1HS

Tel: 023 9249 9689 Fax: 023 9247 8425  
Email: [info@peartechology.co.uk](mailto:info@peartechology.co.uk)



Licensed Partner

Ordnance Survey, the OS Symbol and OS MasterMap are registered trademarks of Ordnance Survey, the national mapping agency of Great Britain.  
Microsoft, Excel, Access and Word are registered trademarks of Microsoft Corporation.