

How does it help you?

- The map provides both a precise and visually pleasing representation of the plant collection. It allows for rapid queries to be made on object records which can isolate individual specimens or groups of related specimens to build specific visualisations of the underlying data. This structure can also be used to build tree safety and other management systems.
- It assists in the creation of promotional materials that support the estate such as visitor leaflets and signage by reusing the same data that underlies the cartographic functions with publication quality.
- Map features can be imported, drawn and edited allowing the map to follow changes in the layout of the garden. Areas and perimeters are all computed making management of paths, roads and water features more precise.
- Most searches are “live” in that counts of found items update as criteria change. This avoids the hit and miss loop of repeatedly trying various criteria until you find what you were looking for.
- Found items are clearly identified with a coloured ring of your choice and you can browse the found items without having to zoom and scroll the map manually.
- Objects on the map can also point to other resources such as saleable items, images, texts and such like that help bind the activities of the institution together.
- The map unifies the presentation of, and access to, the horticultural and scientific datasets as they relate to the plant collection and other objects.
- Whether you are one person or a team of 50, **VantagePoint/Garden** will be of great value in capturing the essence of your botanic collection and passing it on to future generations.

How is the base map created?

- If electronic drawings are available, we can import them and convert the objects to those most effective and efficient in Vectorworks documents. We take great care to make objects easily editable with the fewest control points while preserving their precise forms.
- If plant locations are recorded, these can be captured and converted to symbols of your choice.
- Objects are given consistent visual attributes by class association to your own style and organised across layers in logical groupings to make it easy to view features in the most convenient way for the task on hand.
- Paper maps and other drawings can be scanned and incorporated into the map. We will do our best to maintain alignment at all times.
- Aerial and specimen photographs can be added on any layer and all formats are supported.
- When the base map is completed, the tree symbols are plotted from a table and the VantagePoint resources added to make a complete Vectorworks document.

Does it integrate with our existing systems?

- The map supports multiple document formats for import and export and is itself a cross-platform product on Macintosh, iPad and Windows.
- **VantagePoint/Garden** scripts use tab-delimited text tables to interchange information with other applications. Tables can be configured to contain as many attributes as are required, into or out of the map with detailed error checking and reporting.
- Data is held in **VantagePoint/Garden** using Ordnance Survey coordinates. There is no need to use an arbitrary grid. Information is therefore nationally compatible and globally understood and as such is ideal for web applications.

In what form is it delivered?

- **VantagePoint/Garden** is a suite of additional commands and tools delivered on CD or electronically. It runs under the CAD program Vectorworks™ and contains the unique components that provide the functionality of the map. Symbol sets and other resources are also supplied.
- Vectorworks is purchased separately and a **VantagePoint/Garden** map then opens as a normal document. All Vectorworks features are available. We are resellers for Vectorworks should you choose to purchase from us.
- Vectorworks is cross-platform CAD application which is supported by Nemetschek Vectorworks - a major supplier of CAD systems worldwide. Vectorworks (formerly known as MiniCAD) has been in existence since 1985. <http://www.nemetschek.net/>

Who makes it and do they understand horticulture and cartography?

- **VantagePoint/Garden** has been developed by VantagePoint Cartographics Ltd. who have decades of experience in survey, CAD, software development and training.
- We have extensive experience in environmental mapping and in the survey of plant collections with GPS equipment to high precision.
- We have twenty five years of experience in the development of database and CAD solutions in FileMaker Pro and Vectorworks respectively.
- VantagePoint Cartographics have implemented VantagePoint/Garden solutions at the Windlesham Arboretum, the Royal Horticultural Society gardens at Wisley, Rosemoor and Hyde Hall, Howick Hall, the National Memorial Arboretum and Thenford Garden. The Birmingham Botanical Gardens are the latest to join the VantagePoint/Garden community.

What about training and what does it cost?

- Training will be provided in the use of **VantagePoint/Garden** features, how they relate to your specific requirements and the use of related Vectorworks™ functions.
- Training for **VantagePoint/Garden** will cover all aspects including detailed usage of commands, import and export of data, printing and complex searches and will be carried out by the developers themselves. Ask us for a quote.
- An induction course is also available on site to assist with establishing the base map, workspaces and script preliminaries.

What support do they offer?

- Support will be ongoing and cover any bugs and developments in **VantagePoint/Garden** but does not cover the Vectorworks™ application itself, for which extensive support is available from Nemetschek and UK training specialists.
- Support is free for the first 90 days and costs £20 per call thereafter. The aim is for you to own the solution and be self-sufficient in its operation.
- Bug fixes remain free for the life of the product but cannot extend to problems that might arise due to changes in the Vectorworks application or document format, over which we have no control.
- Electronic documentation is provided in Adobe Acrobat™ format for online access or reprinting. We have taken great pains to expose as much information as we can to make your life easier and always welcome suggestions or submissions.
- Everyone in VantagePoint Cartographics Ltd. have been operating for many years in their respective fields and have a continuing involvement in cartographic, architectural and software projects.

What does VantagePoint/Garden cost?

- **VantagePoint/Garden** is available in various forms from a managed solution where we look after the map for you, supplying reports and PDFs to a complete suite of software that can handle large estates. The latter includes an initial symbol set, all commands and tools and the import of most existing base maps. There are no annual fees but a support contract is recommended that covers training and updates. Talk to us about your specific requirements, we won't foist a rigid solution on you.
- Configuration of layers, classes and data record formats are charged at £60/hr. These emerge progressively from the understanding gained in our discussions and is mostly an issue of design rather than implementation.
- Bespoke modifications that add to the functionality of the template document are typically charged at a development rate of £120/hr. Some solutions may require new commands.
- New releases and updated versions of the scripts that power **VantagePoint/Garden** will be made available periodically so you can choose what's important to you instead of buying a big upgrade.

What are the license terms?

- **VantagePoint/Garden** is copyrighted and a licence is granted for a specific geographic region (a garden) only. Each additional, separate garden requires a new licence. All other resources are shared with no duplication of costs.
- For each region, **VantagePoint/Garden** may be used on as many computers as is deemed necessary - there are no per-seat costs or serial numbers to manage.
- All datasets created and managed within **VantagePoint/Garden** remain the property of the user. We impose no restrictions on the transfer of data, in or out of the drawing, in fact we encourage the free movement of data.

VantagePoint/Garden software created by



Vectorworks / MiniCAD are trademarks of Nemetschek Vectorworks, Inc.

© 2000-15 VantagePoint Cartographics Ltd.
www.vpcartographics.com