

Free Software - Site Recorder 4 SE

Site Recorder 4 SE is a survey program developed specifically for use in maritime, freshwater and intertidal archaeological projects. The program can be used for survey data processing and to assist in the management and organisation of survey tasks. Features on the site can be represented by an unlimited number of points, and then measurements made between the points can be used to generate a site plan. Site Recorder 4 SE supports direct distance measurements (DSM, trilateration), depth measurements, GPS positions, offsets, ties (baseline trilateration) and radial measurements. The program also records dive logs and associates them with the survey points and measurements so you can record who did what and when they did it.

Site Recorder 4 SE is ideal for recording and processing data collected during assessment surveys, pre-disturbance surveys and excavations. The program can manage data from the simplest 2D offset recording of a hull to a full 3D trilateration survey of a whole site. Site work can be completed more efficiently by using the program to plan tasks in advance and the program can be used to reprocess survey data from previous projects. Site Recorder 4 SE can be used for plotting GPS positions in either latitude and longitude or Universal Transverse Mercator (UTM) grid co-ordinates, the standard for marine site mapping.

3D Trilateration surveys are made more simple using tools available in Site Recorder 4 SE. An 'expert' called the Analyser is built in to the program, this looks at your survey data then helps fix problems or suggests improvements. The optimum position for the survey points is calculated by a survey quality adjustment program that uses the same maths used in GPS receivers and offshore survey work. More importantly, the adjustment also works out how accurately the points have been positioned so you can see how good the survey is and where more work is needed. Finding erroneous measurements has been a problem in the past but Site Recorder 4 SE includes a tool that can automatically identify and reject mistakes for you.

Site Recorder 4 SE is ideal for teaching basic 2D and full 3D survey techniques. The program can be used and redistributed at no cost by anyone - teaching organisations, universities, schools and avocational groups. The techniques and methods supported by the program are the same as those taught in the NAS courses and described in the forthcoming NAS handbook.

The program comes free with an extensive user guide covering system operation, 3D survey techniques and adjustments. The user guide is provided in pdf format so as well as being available from within the program the guide can be printed on paper. The guide also contains step-by-step exercises that can be used to try out features in the program.

You can also use this program to publish your work. Site Recorder 4 SE works with Site Reader, a free program for reading and sharing Site Recorder files. The data files containing your work created by Site Recorder 4 SE can be put on CD or downloaded from a web site along with the Site Reader install program and be shared with your team, friends or the public.

Site Recorder 4 SE also works with the full version of Site Recorder 4, a versatile and fully integrated Geographic Information System (GIS) designed for use on archaeological projects. Site Recorder 4 is powerful, practical and easy to use. The program has been designed by archaeologists for archaeologists so you don't need to be a GIS expert to use it.

Site Recorder can manage thousands of finds, drawings, dive logs, photographs, video clips, documents and geophysics data - all the information relating to a project. Items can be linked together allowing quick and easy retrieval for analysis and interpretation. Site Recorder has been specifically designed for mapping shipwreck sites underwater and on land, for collecting information during fieldwork, as a finds database and for making archaeological site plans.

Site Recorder 4 SE is free and the installer for the program can be freely distributed. Site Recorder 4 SE is not protected by a software key, is not time limited and does not require unlock codes. Site Recorder SE is a free replacement for the Site Surveyor program.

Simply log in to the Members area of the NAS website, and you will find the files on the Members' Welcome page:
<http://www.nasportsmouth.org.uk/members/welcome.php>.

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