



pointCheck™ PocketPC pointCheck™ Smartphone pointCheck™ Desktop pointCheck™ Administrator pointCheck™ Reports pointCheck™ WebService

Inspections, Audits, and Maintenance Tracking

Return on Investment (ROI)

pointCheck™ is a software application that utilizes mobile devices, such as the Pocket PC™, and the Smartphone™, to automate any inspection and audit system, or preventive maintenance program. The inspection parameters (e.g. routes, locations, inspection points, auditors, checklists, schedules, etc.) are set up on a server using a desktop PC, and are then transferred to the mobile device that will perform the audit, inspection, or maintenance check. Once the inspections are completed, all results are uploaded back to the server, where the system can be evaluated through the use of graphs, charts, trend reports, and statistical analysis.

pointCheck™ achieves its efficiency improvements in three main areas:

- ✓ **Improvement in the implementation of the program under evaluation**
Through the use of trend reports and statistical analysis to identify major deficiencies, remedial resources can be directed at the main problem, versus a scatter shot approach.
- ✓ **Improved efficiency in the performance of inspections**
Inspectors in the field can complete their inspections in a more timely manner using mobile devices versus paper checklists.
- ✓ **Improved efficiency in data entry**
In order to perform any useful analysis of inspection and maintenance results, all data has to be entered in a database. **Use of pointCheck™ and a mobile device completely eliminates re-entry of inspection results.**

Although it is difficult to quantify the economic benefits of the first advantage, we have calculated the net benefits of the second and third advantages, based on experience with existing users.

We have assumed a typical implementation where there are three inspectors, each inspector is

performing 20 inspections per week (average), and each inspection takes an average of 30 minutes. Each inspector has to record evidence for each deficiency found, using a digital camera. Following is an evaluation of the cost savings achieved in just one year:

COSTS	
3 pointCheck™ licenses @ 800 € each	2,400 €
3 Pocket PC™s @ 400 € each	1,200 €
System setup <small>(Note that setup is a one time cost and should normally be spread over the life of the system, as opposed to being totally included in the first year)</small>	400 €
User training 1 hour per inspector @ 50 €/hr <small>(Note that pointCheck™ is user friendly and user training usually takes less than an hour)</small>	150 €
TOTAL COSTS, 1st year	4,150 €
SAVINGS	
Time saved in performing inspections 260 hours @ 50 €/hr <small>(5 minutes saved per inspection, 3 inspectors, 3,120 inspections per year)</small>	13,000 €
Time saved in data entry 520 hours @ 30 €/hr <small>(10 minutes saved per inspection, 3 inspectors, 3,120 inspections per year)</small>	15,600 €
Time saved in printing & archiving digital photos 65 hours @ 50 €/hr <small>(5 minutes saved per photo, 5 photos per week and inspector, 3 inspectors, 780 photos per year)</small>	3,250 €
TOTAL SAVINGS, 1st year	31,850 €
NET SAVINGS, 1st year	27,700 €

Learn more about **pointCheck™** and how you can automate and mobilize your systems, increase your productivity, and cut down your costs at <http://pointcheck.net>.

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