



The Economic Payback of 3D Mice for CAD Design Engineers

Extract of the research findings¹ of the Technology Assessment Group

Technology Assessment Group (TAG), an independent product consulting firm specializing in product evaluation and productivity measurement, conducted this research to assess the economic impact of 3D mouse use by CAD design engineers.

User interface research by GE, IBM, and the University of Toronto suggests that substantial productivity gains should result from using well-integrated 6-degree-of-freedom (6DoF) devices for complex 3D applications such as 3D CAD.

1. Improvement in product design

More than 84% of CAD design engineers report a noticeable or significant improvement in their product designs and their ability to detect design problems as a result of using 3D mice.

2. Productivity up by over 20%

The average productivity gain reported by CAD users while using 3D mice is 21%.

3. Short payback period

The payback period for 3D mice is very short, typically less than one month.

See for yourself how 3D mice can help to boost performance in your organisation.

Test drive a 3D mouse free for 14 days.

www.3dconnexion.co.uk/testdrive

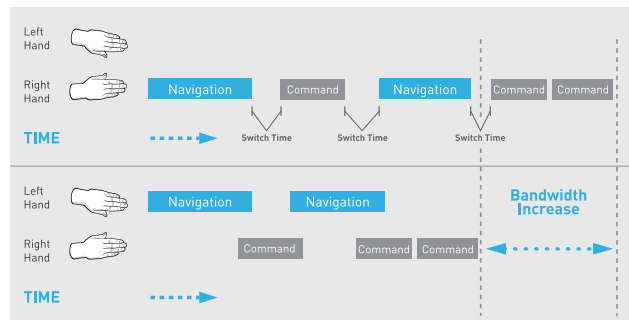


Fig. 1 - Comparison of single stream user input (one hand) vs. bi-manual (two handed) input stream. Notice how the user can "start" the command with the right hand while the left hand is completing the navigation.

Payback Calculator

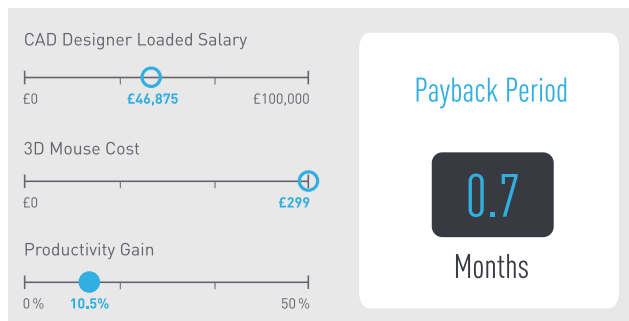


Fig. 2 - Example calculation with 10.5% productivity gain

¹ Source: The Economic Payback of 3D Mice for CAD Design Engineers – July 2008