The guardian of computer software

CodeV is an expert in computer security. A program that gave Dognædis the recognition of the jury on the National Innovation Competition BES on the sector it concurred

We can see CodeV as the strategist that helped Afonso Henriques to understand if any of the paths traced by the Moors passed by the several cities of the Portuguese County, endangering them. It is half in jest that Francisco Nina Rente, CEO of Dognædis, explains the seriousness of the potentials of CodeV, the project that convinced the jury of the National Innovation competition BES, in the sector of Information and Services Technologies.

It is a program that identifies, in an automatic manner, vulnerabilities in computer programs, with the goal of increasing the safety of a software, making it resistant to attacks of criminal organizations or other misuses.

The opportunity of developing CodeV arose a few years back, from an internal need of Dognædis's auditors themselves in relation to tools that backed them up and increased their time of response. The solution was found by Hugo Trovão – founder-partner of Dognædis and director of investigation and innovation of the company – and attained a level of quality that gave origin to CodeV, tool that ended up being seen as a business perspective.

"Lets say that this is a computer system that, given an analysis of a source code of a software, can identify possible flaws, alert the responsible teams and help them evolve the quality of their software", explains Francisco Nina Rente.

With resource to proprietary algorithms developed by Dognædis, CodeV conducts, in an automatic, methodic and permanent form, a security audit to the developed code, making the artifacts produced by a medium programmer as safe or even more than those developed by an experienced professional. "Just like all human creations, software has errors, bugs. Some of these errors may represent security flaws that may be exploited by attackers/criminals and set ways to compromise and/or subvert the systems at cause. CodeV helps software teams to develop safer software, in the same way that it helps who buys custom made software to test its level of security", explains yet the responsible.

Great innovation focus? "In reality there are two: the improvement in the capacity of vulnerabilities detection and a more efficacious way com communicating with its stakeholders", enlightens Francisco Nina Rente.

Currently, CodeV has as a target audience the IT companies and the organizations/companies that acquire custom made software – it is being developed to support as much programming languages as possible. The next step involves the development of a version focused on the need of large organizations. In starting phase there is also a plan of global commercialization set mainly on the 'web'. In the name of computer security.

Translation from the original.