

# Discover the secrets of Quidgest

## The first secret: Automatic Generation

Quidgest's success secret, shared with all our clients, is in the automatic generation of information systems.

The automatic code generation allows our clients' information systems to be:

- Produced in the shortest time possible and at the lowest cost;
- Totally adequate to the use or the purpose they are intended for;
- Well done at first;
- Capable of evolving continually.

The software production process is structured, at Quidgest, around Genio, a platform of integrated development, imagined and improved by our R&D. This platform assures both the management and the continuous improvement of dynamic models of functional specifications, and the automatic generation.

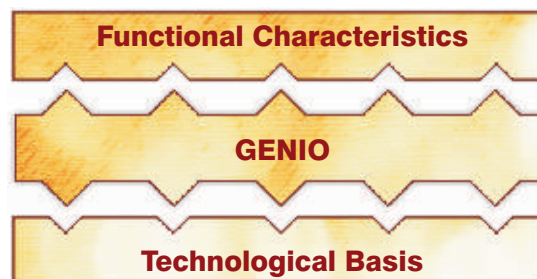
Quidgest controls the code models (templates), the metadata (specifications) and the generation process included in Genio. It changes and improves them frequently, following the technological evolution and the organizations' dynamics.

## The second secret: independent layers for technology and for functional specifications

The system's functional specifications survey, filed in metadata, represents a separate stage from the creation of code models (templates) that support the automatic generation.

Consequently, both layers (technological and functional) evolve autonomously, with different development teams and answering to different needs.

The functional specifications and characteristics arise from the project requisites and evolve accordingly to the business logic.



The code models (templates) are created in accordance to the system's architecture and improve in response to: new programming languages, distinct database management systems, different environments (Windows, Internet, PDA's, Smartphones), changes in good practices respecting security, new user interaction paradigms or other technological matters.

This Genio's technological layer evolves according to a cycle of functionality maximization, in an open spiral that

**Discover the secrets...**

**... and the advantages!**

## **The third secret: regeneration in a click**

Any Quidgest's worker, even if not familiarized with the project, is now able to generate the entire project's code again in a single click.

To do so, he just has to have access to the corresponding functional specifications (metadata), created in any version of Genio. The compatibility with earlier versions is also assured by Genio.

This principle ensures:

- ✓ A significant decrease in the effort required by changes in the business logic;
- ✓ An increase in the stability of the developed systems;
- ✓ And the continuous follow-up of the technological evolution.

Each new generated version automatically incorporates all the improvements introduced in the technological layer. In a simple click, Quidgest redirects those improvements to all the information systems previously developed.

## **Great advantages to our clients**

Ready to evolve information systems

Complex systems built with the active participation of the key users

Dramatically reduced delivery deadlines

Rapid generation of totally functional prototypes

Flexible solutions, adapted to each organization

Significant maintenance costs reduction