

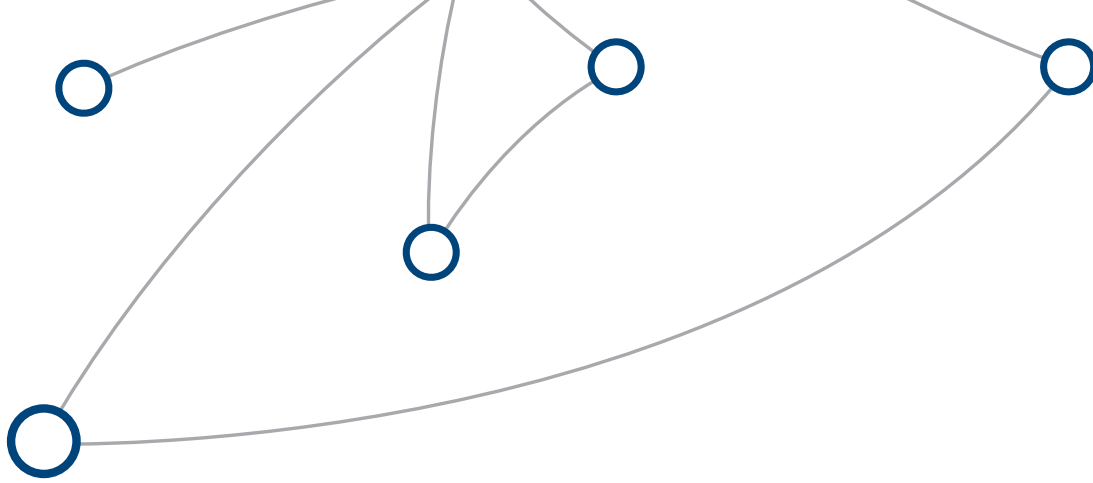


Software Re-engineering

Control the future of
your software assets



holocentric®
Shape Your Future



Control the future of your software assets

Holocentric helps you take control of your software assets by empowering your organisation to leverage legacy applications. Strategically evolve your systems by blending your existing systems with new technologies.

Often legacy applications do most of what is required yet no one quite understands how they work. People who worked on the project are long gone and documentation is inadequate. Systems inherited through mergers and acquisitions also pose significant integration challenges.

While legacy systems contain valuable business rules and the cost of replacement is usually prohibitive, your business needs to embrace new technologies and evolve strategically. You need an understanding of how existing systems serve the current interests of the business.

Consequently, getting the most from your legacy systems requires you to:

- understand how they work and what is critical to your business
- ensure the business rules & knowledge embodied within legacy systems are not lost
- continue their contribution to the business while embracing new technologies
- continually adapt them to changing business requirements.

Re-use, re-factor or rewrite?

You can use Holocentric Modeler to help you make decisions about each application's future.

Holocentric Modeler can help determine:

- to what degree current legacy systems serve your current interests

Holocentric places the future of your legacy systems firmly in your hands.

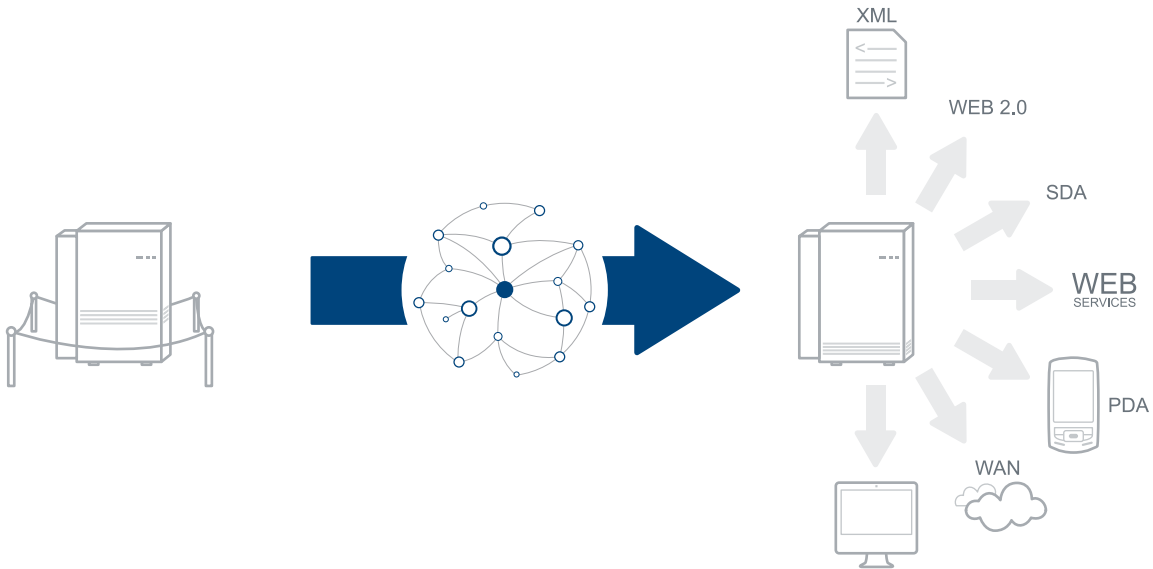
- how to **integrate a legacy system** successfully with new technologies
- whether the application will **support your evolving business**
- the cost of rewriting or porting the legacy system to a new technology.

How legacy systems fit with your technology strategy is fundamental to success. Modeling your legacy systems with Holocentric means you are much more likely to get it right.

Generate documentation from source code

Holocentric Modeler can be used to **reverse engineer** source code written in an object oriented language and derive business rules and dependencies. Holocentric Modeler can also construct **UML diagrams** directly from source code.

This is invaluable for generating systems documentation – your Holocentric model becomes the **ultimate reference** for legacy systems. You will never have cause to complain about absent or poor documentation again.



Indeed, diagrams, notes and references can be tagged to models to improve understanding of the program. This is perfect for geographically dispersed teams or for capturing senior people's knowledge and experience directly in the model.

Connect software design with business process

Holocentric also supports round trip engineering of Java, C#, VB, Forte 4GL/UDS, Smalltalk, Delphi, C++, Python and Bullant. You can use Holocentric to generate models and design information from the source code, modify the models and business logic, then generate updated code from the altered models.

As you modify software in your chosen development environment, changes can be imported back into the model. This traceability from applications back through to your business processes enables you to assess the impacts of changes prior to implementation.

The round-trip engineering capability of Holocentric Modeler allows you to strategically evolve your software assets as business processes change.

Publish for different audiences

Once your software is modeled in Holocentric, views can be tailored for different audiences, as is appropriate for different roles within the business.

For example, Holocentric can be used to produce a view that:

- helps business analysts reconcile how the program works with proposed process changes
- helps architects design integration with new applications
- helps programmers understand data interfaces into legacy applications.

Furthermore, because the model can display different visual representations of the software, it can be **tailored for different audiences**, reducing the time to train your people. You can also provide tailored views for software auditors.

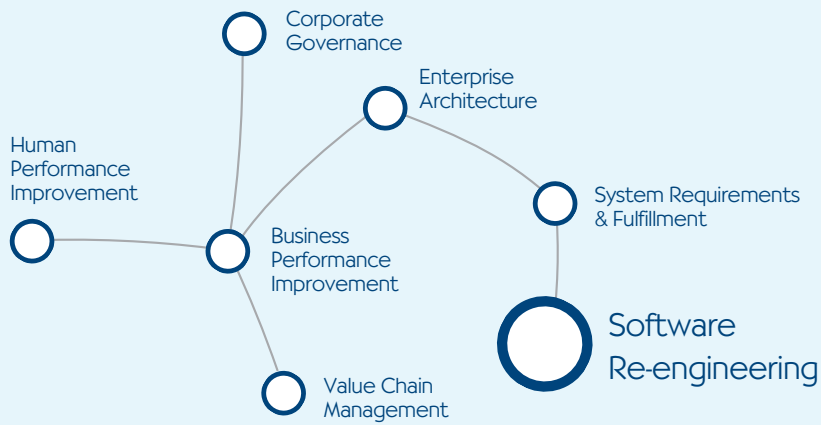
Shape the future of your IT strategy

- contact Holocentric to find out more about software re-engineering.

Software re-engineering with Holocentric means you can:

- Strategically evolve your legacy systems
- Make educated assessments about re-using, refactoring or rewriting legacy code
- Tailor software documentation to different audiences for more effective analysis, training and auditing
- Connect your business processes directly to software design.

Holocentric Solution Areas:



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