

Graphical Object Oriented Programming

Symbio tools provide full support for object oriented programming which include streamlined development, easier maintenance and support for reuse.

Object Oriented Development

Scalable – The code controlling one instrument can easily control many instruments by creating several objects.

Extendable – By utilizing inheritance new functionality can be added without modifying existing code.

Modifiable – Use classes to achieve a good system structure. Each class having its own responsibility.

Testable – Test each class standalone before integrating them.

Easy-to-use components! – Using object oriented code is easy and requires no knowledge about object orientation.

Reusable – Use classes to create a common code base in your development.

GOOP Wizard 3.0 – Development Tool

With this addition to LabVIEW you can easily create and maintain object oriented code. Generate new classes, rename classes, document VIs etc. The generated code is 100% LabVIEW assuring full portability.

Symbio UML Modeller 1.2 – Design and Development Tool

By using Symbio UML Modeller you get a tool supported notation, a language, to describe and discuss the design and architecture of your test and measurement systems. This makes your modelling much more rewarding and productive than solely relying on white board or multi purpose drawing programs.

Generate code from a visual description of your design, the class diagram. Modify the code using the GOOP Wizard and generate, at any point, an up to date class diagram. Modify the class diagram and synchronize the changes with the code – **Round Trip Engineering!**

Generate state diagram from LabVIEW state machines.

About Symbio

We develop and perform quality assurance on critical products and systems for intensive development companies with high quality requirements. We invented GOOP and provide services, tools and training focused on GOOP.

GOOP Wizard 3.0

- Object oriented programming tool for LabVIEW
- Automatically generate classes and methods
- Inherit between classes
- Rename classes and methods
- Automated icon management

Symbio UML Modeller 1.2

- Visual modelling of requirements and design
- Use case, sequence, class , package and state diagrams
- Code generation, synchronization and reverse engineering

Development Distribution (Included in GOOP Wizard 3)

- Deployment of applications
- Avoid linking problems by automated prefixing

Icon Editor

- Automatically generate icons for new VIs
- Create and maintain VI icons for all VIs
- General – for non GOOP applications