

# DYNACSYS / dEvent

dEvent Risk Platform

An innovative actuarial projection tool

**DYNACSYS** (Dynamic Actuarial Systems) is a professional services company that combines IT competence and expertise in Risk Management.

We offer an innovative modelling software solution, particularly well-suited to the calculation of reserves and economic capital under Solvency 2 or IFRS 17.

Large market players use Dynacsys software today for their MCEV Calculations and asset allocation studies.

## Our products and services

- **Modelling tool** - Implementation of our modeling tool and assistance in the creation of your actuarial model.
- **Actuarial Model** - Delivery of one or several “template” models that match your business.
- **Actuarial and IT Services** - Business-oriented assistance in your modelling efforts, for all business areas: Savings, Pensions, Health, Life, Employee Benefits, etc.
- **Computing platform** - Delivery of a stochastic computing platform, either cloud-based (powered by Microsoft Azure) or On-Premise (integrated into your DataCenter).



DEvent is a powerful modelling system designed for advanced financial and actuarial analysis modelling platform. It's a risk modelling framework / dynamic financial analysis (DFA) tool for strategic decision-making.

DEvent provides an extremely easy-to-use graphical interface enabling users to quickly build models and run analyses for a variety of financial decisions. The software provides the following advantages:

DEvent can be used for a wide variety of purposes including especially the following:

- Economic capital,
- Embedded values (EEV, EV),
- Asset/liability modelling and Stochastic projections for risk-based capital,
- Product pricing and design,
- ORSA,
- IFRS17,
- Financial reporting,
- Hedging,
- P&C Reserve modelling.

## Actuarial Models

If you want to quickly develop your financial model, you can use one of our Template models to speed up your development time.

## THE TOOL MEETS THE BEST STANDARDS

### QUICK START

Development and maintenance

### TRANSPARENCY

Accessible, readable and commented code

### POLYVALENT

Solvency 2, ALM, EV, Ad hoc studies

### COLLABORATIVE

Multi-user and profile management

### PRODUCTION

Creation of business tasks, Workflows

### ACCESSIBILITY

Installation on local or remote machine

### PERFORMANCE

C++ technology, 64 bits

### OPTIMISATION

Optimised memory consumption

### DISTRIBUTED COMPUTING

Multi-core, GRID and Cloud

## WHY IS THIS TOOL DIFFERENT AND INNOVATIVE ?

1. The **graphical interface** allows to implement optimal solutions and offers a crucial advantage with regard to the existing tools.
2. The programming language is based on a **simple and powerful syntax**.
3. Features which enable **industrialized productions**.
4. The tool is based on **efficient and sustainable technologies**.



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