

Virtual Optima is a spin-off company of the University of Fribourg, based on over 20 years practical oriented research work in the field of mathematical optimizations (Operations Research). The main result of the applied research is the modeling system LPL.

Product LPL is a high-level computer-executable system, which allows to describe, to build, to modify and to document complex scheduling problems in much shorter time compared with conventional products. In fact, LPL is one of only a few comparable products of this type worldwide.

Clients LPL is applied in numerous notable companies in varying sectors and industries: In the bank **Wegelin & Co.** for their portfolio-optimization, at **Holcim** for strategic optimal location decision of their production site, at **HP** for the analyse and design of the supply chain and manufacturing networks, **ABB Oy** (Finland) uses the LPL modeling system as fully integrated part in their energy-management product line, at the (swiss) **Federal Office for National Economic Supply** for scheduling the provide of food in times of crisis and in several research institutions. Furthermore, LPL is an inherent part of our sport scheduling solutions, which are currently used by several national sport leagues, such as the **Swiss Ice Hockey Association** (SIHA) or the **Swiss Football Association** (SFV).

our mission Our mission with our software and services is to provide our clients with a considerable and sustainable contribution of their cost reduction measures and to help using the existing resources most effectively.

our expertise Our core competences are the evaluation and analysis of the status quo, conceptual design and computer-based implementation of the planning and decision aids. These competences along with our powerful toolbox LPL are applicable in various industries and sectors, helping to optimize:

- Production flows and control and strategical location determinations
- Production planning and scheduling
- Portfolio and financial investements
- Risk management and evaluation
- Employees and resources planning
- Logistic, warehousing, transport and distribution
- Supply Chain Management
- Sport league scheduling

In order to support our clients as efficiently as possible, we offer a wide range of services:

Consulting

- Planning of projects, at both conceptual and technical levels
- Implementation of customized and ready to use solutions

Software

- Selling of the operational software LPL
- Installation of a LPL client/server environment on the spot or hosting an internet server solution
- Integration of our optimization tool in internal systems
- Application/product maintenance and services
- Help desk / service-hotline

Workshops

- Presentation of product and clarification of applications or customized adaptations
- Workshops for executives, emphasizing the possibilities, benefits and the instruments of strategical and planning optimization tools
- Workshops for technical and mathematical specialists and managers
- Customized workshops or seminars

We are looking forward to introduce you personally our full range of products and services and please do not hesitate to contact us if you need more information about us or our services.



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Lower your costs with optimizations
and
Increase the efficiency of your enterprise
