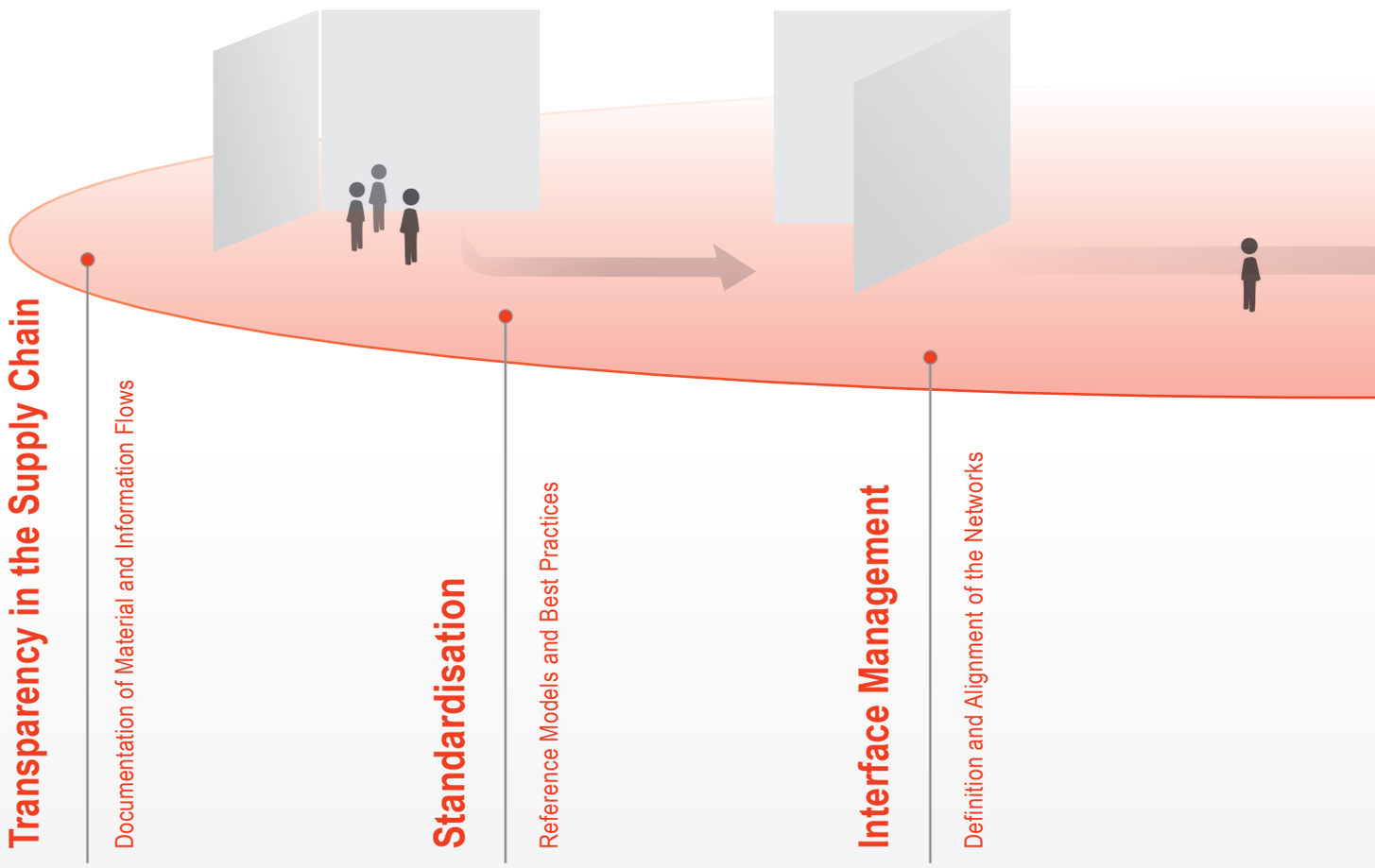
Supply Chain Management with ADO*log*

Product of the BOC Management Office

www.boc-group.com

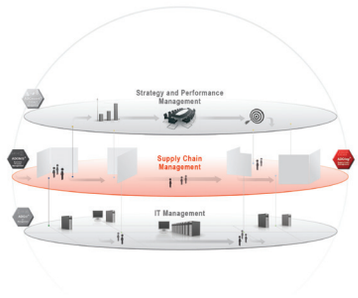
Towards the creation of transparency in the Supply Chain and the Process Synchronisation

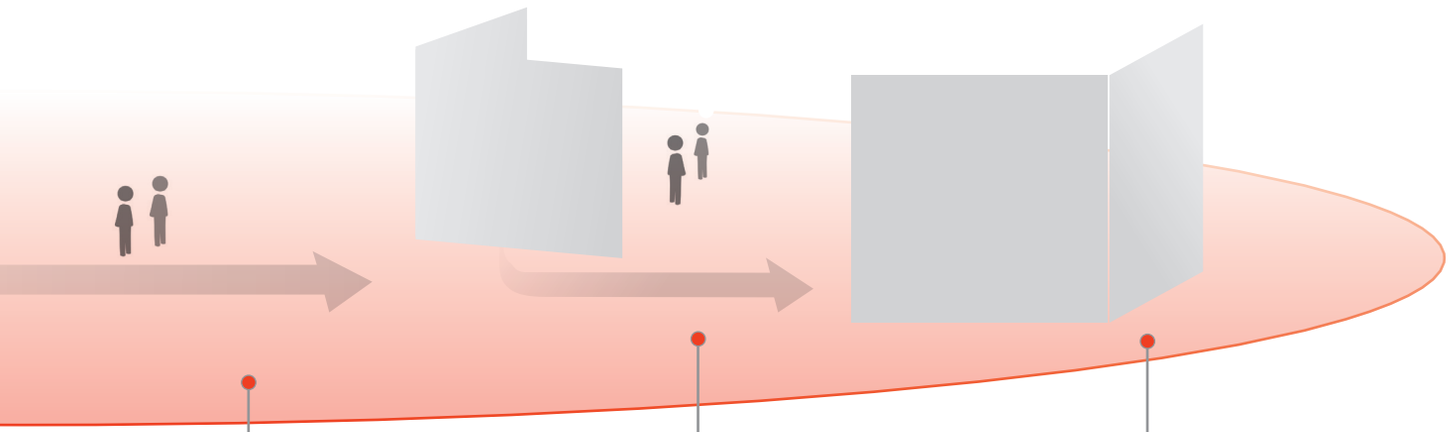


For every improvement, the material and information flow models of an organisation are essential to provide a common understanding for the inter-organisational Supply Chain. The transparency gained from the models provides the prerequisite to overcome the local optimum and optimise the complete Value Chain.

ADO*log*, which is based on Best Practices developed by the Supply Chain Council, supports the development of Process Architectures for all Supply Chain partners using standard processes and KPI's from the SCOR model. Individual adjustments to processes or indicators are mapped in the tool and can be published for all involved stakeholders.

Supply Chain partners have to synchronise their material and information flows by aligning their process interfaces in order to continuously enhance the efficiency of their business transactions. In ADO*log*, the related interface information is mapped and can be documented to define business critical Service Levels.





KPI Management

Definition of Indicators and Benchmarking

An important aspect of the new Supply Chain Configurations' design is the definition of dynamic KPI's. Their characteristics, such as metrics and frequency, can be defined in ADO*log*. The tool provides functionality to evaluate the different levels of modelled processes and the respective level of KPI's. The indicators can be integrated with business solutions or databases and the information is updated and visualised within the tool.

Supply Chain Alternatives

Simulation and Analysis

In terms of time constraints and cost targets, ADO*log* offers a simulation component for the evaluation of different Supply Chain alternatives. Results can be compared with the use of graphical and tabular representations. Reports can be configured and easily generated using the Analysis component.

Communication

Publication and Controlling

ADO*log* offers an intuitive modelling language to comprehensively document Supply Chain processes. Different publication formats are available to communicate the resulting production and logistics workflows with their respective resources. Quality management manuals can be produced and even control parameters for 3rd party logistics systems can be derived from KPI's.

ADO*log*: Core Principals

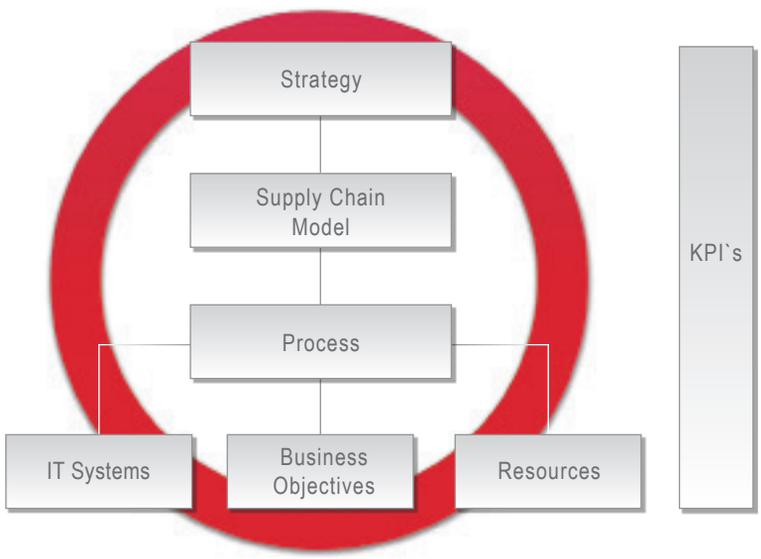
The BOC Supply Chain Management Framework

The success in the design of a Supply Chain lies in the optimal assignment and coordination of value added processes at each networked partner. The concentration on the core processes together with global sourcing strategies lead to an increased number of supplier tiers. Therefore, delivery time and flexibility are determinant factors for competitiveness and subsequently for broadening market share. The success of an organisation depends highly on the performance of the Supply Chain. Supply Chain Management establishes intensive control of material, information and finance flows within the organisation as well as their smooth integration with the Supply Chain.

The ADO*log* method is based on the SCOR framework. Modelling, analysis and documentation of the Supply Chains follow a process-based approach. The SCOR framework comprises numerous Best Practices for the configuration, design and improvement of the processes not only within an organisation but also outside it's boundaries.

The Supply Chain Operation Reference-model (SCOR) is a product of the Supply Chain Council (www.supply-chain.org), a global association comprised of companies and organisations with the goal of the continuous further development in the "state-of-the-art" Supply Chain Process Standards.
In addition to providing the SCOR Reference Model, ADO*log* also offers structured support for mapping and standardising Supply Chain processes.

The BOC Supply Chain Management Framework



ADO*log*: Usage

Application Scenarios
Supply Chain Management

Documentation of the existent Supply Chains

From the discussion and the methodical research of the existing information and material flows, it is possible to acquire valuable information for further optimisation and the respective restructuring of the organisation. Through ADO*log*, and its underlying methodical approach, the updated relevant information is supported by a structured tool. Due to its intuitive interface only a short introduction is required for the user to effectively work with it. The graphical representation of the actual configuration in the production and logistics provides transparency throughout, not only the departments of a company but also outside its borders. The constant recognition of the strengths and weaknesses in the existing Supply Chain configuration facilitates the identification and evaluation of their potential improvement.

The creation of a Quality Management System

The processes and the organisational structures being modelled with ADO*log* serve as the foundation for a Quality Management System. On the basis of predefined templates it is possible for different QS Standards to be structured along with the necessary information. Thereby, the Quality Management System is available for all employees in the company either through a web-based portal or through other information channels.

Optimisation of the Supply Chain

Once the design of the Supply Chains, together with the relevant information, is done in ADO*log*; alternative configurations can be simulated with the help of the standardised functionalities of the tool. The evaluation functionality supports different methods for optimisation such as Six Sigma, Lean Supply Chain Management, Value Stream Analysis and the BPMS. Moreover, KPI's can be defined and periodically adjusted. This allows the continuous control of the performance of the Supply Chain.

Transparency

ADO*log*: Usage

Application Scenarios Supply Chain Management

Activity-based costing

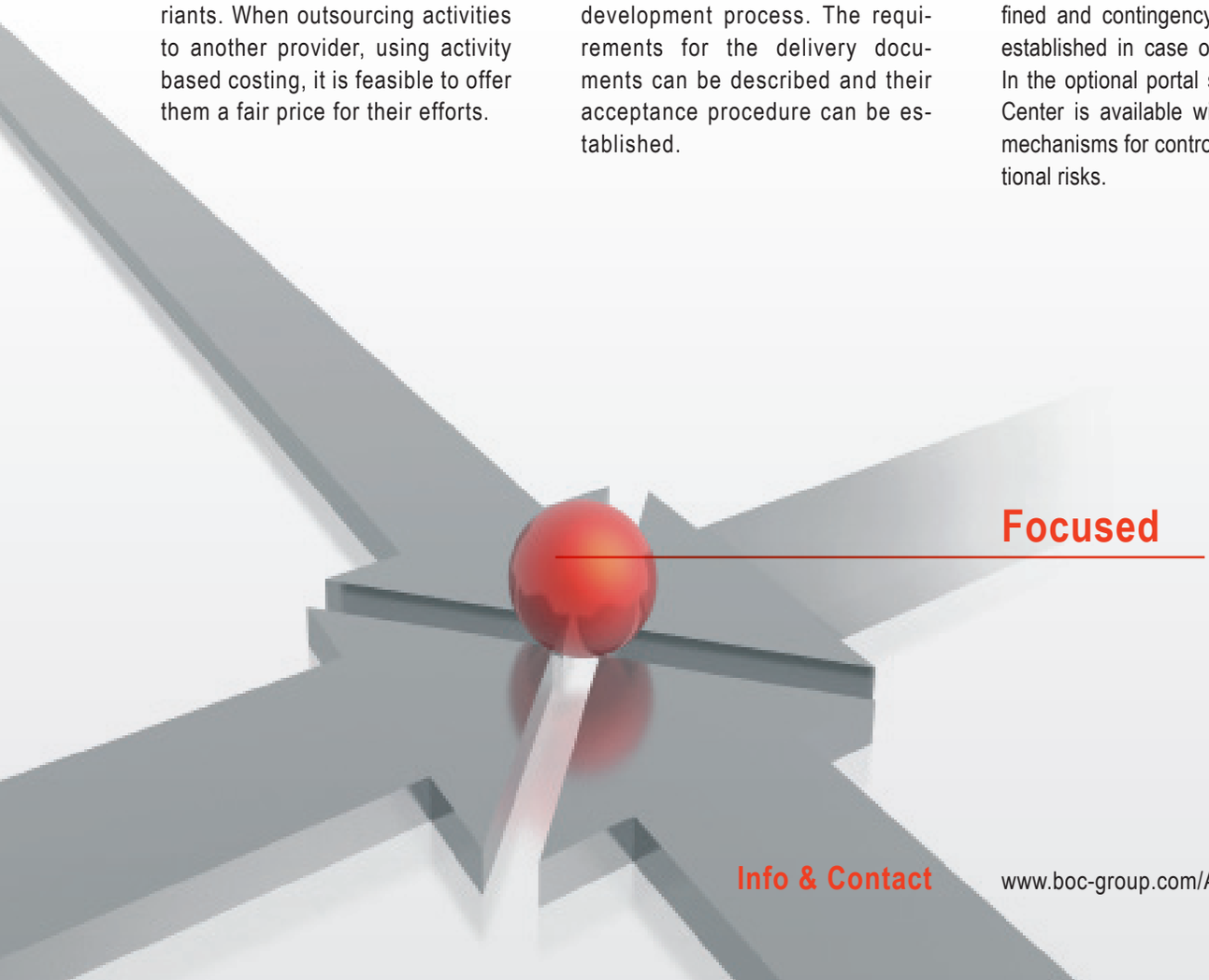
In parallel with the optimisation of the cycle-time of a request through the Supply Chain, an important role is the calculation of the costs that are assigned. Instead of dividing the costs in the products as a percentage of the aggregated costs, activity-based costing calculates the costs based on the actual use of resources during the production and distribution process of one piece. This enables cost calculation for different product variants. When outsourcing activities to another provider, using activity based costing, it is feasible to offer them a fair price for their efforts.

Development through collaboration

The development of new products and the implementation of projects in different companies or companies in different domains requires a high degree of coordination and synchronisation between the partners. ADO*log* provides support with the definition of the development processes, such as the approach of Simultaneously Engineering and the depiction of the interfaces, milestones and synchronisation points during the development process. The requirements for the delivery documents can be described and their acceptance procedure can be established.

Supply Chain Risk Management

With the ongoing globalisation of the Supply Chains, along with the reduction of inventory, value chains can become more vulnerable to disruption. As a result, the necessity of expanding Risk Management beyond the borders of a company to the whole supply chain is apparent. The graphical representation of the network in ADO*log* helps to structure identification, evaluation and documentation of the risks throughout the whole value chain. Activities for control can be defined and contingency plans can be established in case of emergencies. In the optional portal solution, a Test Center is available with a variety of mechanisms for controlling the operational risks.



Focused

Info & Contact

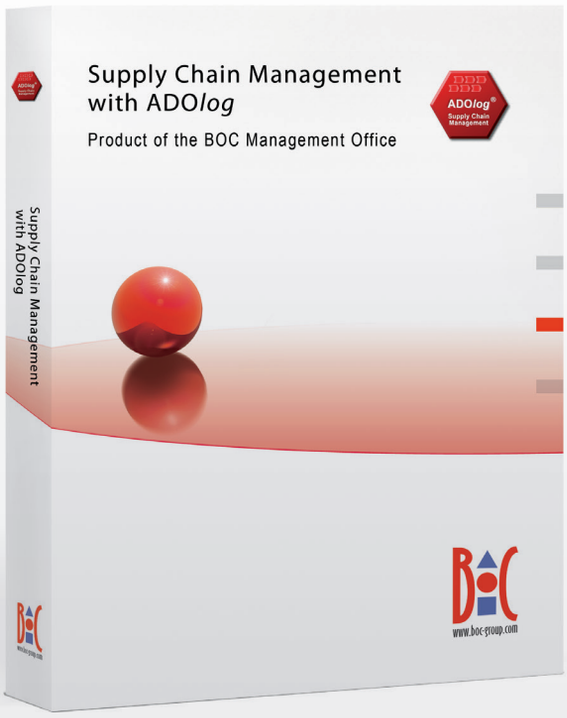
www.boc-group.com/ADO*log*

ADO*log*: Technical Information

Short Facts

ADO*log* is the Supply Chain Management tool of the BOC Management Office and can be used as a Standalone or Client / Server installation. Data Management is provided for using databases, where external data from various interfaces (for example Microsoft Excel, SQL-, CSV-, XML interfaces etc.) can be read. All published reports and HTML publications are web based and can be distributed and accessed by a standard web browser. ADO*log* is based on a powerful meta-modelling concept which can be flexibly extended in terms of the modelling method, evaluation, HTML and report generation and adjusted at anytime to the needs of the clients.

If you require more technical information such as the hardware or software requirements of ADO*log* then please contact your BOC representative or visit:
www.boc-group.com/ADO*log*



Intrigued?

www.boc-group.com/adolog

BOC Group

Athens • Berlin • Dublin • Madrid • Paris • Vienna • Warsaw • Winterthur