

CHRONOS SYSTEMS SOLUTION



CWP – CHRONOS WORKFLOW PLATFORM

A Comprehensive Self-Service Workflow solution -Technical brief



Chronos Systems has developed a flexible, user friendly and powerful workflow solution.

This tool combines the benefits of the **Microsoft environment** with a high level of workflow and document management functionality.

UNIQUE FEATURES

- Ready to use, off-the-shelf product.
 - **Self-service** with the ability to implement workflows and quickly digitize processes **without the involvement of IT resources.**
 - **Unlimited users and business processes** can be set up. No limit!
 - Can **handle even very complex workflows** and all the connecting documents via parallel/sub or automatically triggered processes
 - External interfaces with 3rd party system databases (e.g.: ERPs, SAP).
 - Built-in **document management.**
- Any type or kind of workflow can be implemented regardless of business area, e.g. CRM, HR, Finance / Supply Chain, Manufacturing / Logistics, Marketing, Administrative, Product Development, and R&D.
 - **Fast ROI** because the cost of this platform is the equivalent of a single custom development project and very competitive compared to other workflow tools currently on the market in USA and Europe.
 - Maintenance is simple and highly cost efficient.
 - **Workflow implementation cycle time can be reduced dramatically – on average by 60-80 %.**



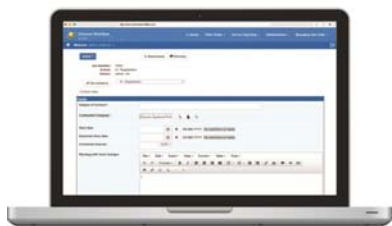
It is critical that companies can quickly adjust their business processes based on ever

changing market environments. However updating and changing workflows can result in complicated and costly modification of back-office / front-end IT systems.

The entire life and all development principles of Chronos Workflow Platform have been influenced by the intent to produce a system that is able to render diverse functions for users in a way as easy as possible.

This solution is best suited for business units often requiring custom application development which can be time consuming and expensive compared to the implementation of an off-the-shelf, self-service product.

Whether it is a simple contract approval process, or MOC process, customer complaints process, employee hiring, project tracking, applicant tracking, PO request approval, travel and expense tracking, employee entry or exit flow, you can set up an of your own workflows with the Chronos Workflow Platform solution without the involvement of programming resources.



Comparison Chart

The following table describes the main differences between our BPA solution and other workflow management and automation systems:

Chronos Workflow Platform
Embedded into user environment – supports the users – simple web user interface for administration and user interface
Purpose: Process setup and implementation. NOT application development.
Average implementation / development time of a process (from technical point of view): 2-3 days
NO IT DEVELOPER NEEDED!
any number of process within Chronos Workflow Platform
Necessary knowledge for development: - business processes only
Requires business (key) user support for the process lifetime
Approximately 95% of user requirements can be solved without further development

KEY FEATURES

Built-in **Graphical workflow design tool**. You can outline the basic process flows within the company. The system allows the user to draw-up a process map (flow chart) in Microsoft Visio, can import and parse that files. **XML based process description**. The graphical designer tool provides an XML description about the designed process.

Process forms can be set up by **selecting from more than 50+ field types** and very unique ones are available too.

Other workflow systems
Embedded into software development environment – supports the developers – special development client need to be installed
Purpose: speed up the workflow application development projects (as the pure development is up to 40-50% of the total project time, the speeding up means 15-20% of the total project time)
Average development time of a process (from technical point of view): 2-3 months
Increase the necessity of IT developers (or IT developer company)
1 application 1 process
Necessary knowledge for development: - programming language, - development environment, - business process
Requires IT developer support for the whole lifetime
Any user requirement can be solved

– **Interfaces to other process management systems like QPR ProcessGuide or ARIS Process Platform.** The

workflow application can receive the exports from these systems and create the appropriate process based on them.

- **Document and self-service based process administration tool.** Here you can set up the different process parameters like the form fields, process owners, step owners, routing conditions, etc.
- **MS Office integration.** During the process administration key user can prepare any number of WordMerge template files. These templates can be uploaded into the system and the Merge fields contained by the template can be assigned to the form fields. During the execution of a process users can initiate the generation a file from the template as well as the job content (s)he is currently working on. The system can export the result of a report into MS Excel sheet.
- **Organizational database.** To reflect the structure of the organization, specify the people, groups, roles and departments and their hierarchical relation to each. The organizational database can automatically be uploaded and continuously updated by standard Active Directory synchronization process.
- **Electronic document- and content management.** Due to the numerous and recent developments, the system grants a complex workflow and document management system., in the easiest and most efficient way of business

automation during the entire workflow process.

- **Hierarchy handling.** It is possible to define relation between processes, or documents, or processes and documents. From the hierarchy point of view the documents and processes are similar (but of course the processes can be finished where the subordinate elements will not be visible in the hierarchy tree).



Sophisticated multilevel notification sending system. Using this tool you can assign a notification sending with any address, customized subject and mail body to any number of step transitions.

- **External database access.** External database querying can be inserted into the user forms. A simplified query builder is implemented into the administration. It is possible to execute shell / batch commands during the step transition from one step to another. The text of the shell / batch commands as well as the parameter values can be set similarly to the definition of mail text.
- **Security.** The Chronos Workflow Platform applies a **job based security system**. A *process document can be seen by the process participants,*

process owners and process readers (that were assigned to the process in the process administration).

- **Digital Signature** Digital Signature can be requested to be done at the end of any step.
- **Lists and statistics.** Apart from the existing, general reports a report builder is implemented and allowing the users to create customized lists for the different processes.

OPERATIONAL ENVIRONMENT

Application and Web Server:
Windows Server, MS IIS

Database Server:
Windows SQL Server 2008, 2012 or MSDE or Oracle

Workflow Engine:
Service-based

Browser compatibility:
All browsers (incl. MS Explorer / Safari / Chrome/ Mozilla Firefox / Opera).

Fully responsive content and system usage for Desktop / Tablet / Mobile devices.

Security:
MS IIS or authentication, or simplified authentication based on the organizational database through Active Directory synchronization or development of customized IIS ISAPI extension to LDAP data source.

CONTACT Us

Andras Szakacs

CIO

aszakacs@chronossystems.com

Edith Varhelyi

CEO

ev@coberonchronos.com

Software Product Website:

www.chronosworkflow.com

