

VGK Project Overview

1 Application Goal

Purpose of VGK Project application is to provide informational support for Company Project Management and General Business needs.

2 Project Management Support

2.1 Project Planning:

- Create and Edit Project Schedule
- Allow detailed Sub-scheduling at any Schedule Level
- Maintain accurate Items dependencies and dates
- Advanced Schedule planning (Template/Schedule Blocks):
 - ▲ Convert existing Schedule into Template
 - ▲ Edit Schedule Template
 - ▲ Create Schedule Blocks from Template
 - ▲ Use Template to create new Schedule for the Project(s)
Specify various factors for Template conversion
 - ▲ Add Schedule Blocks to an existing Schedule
 - ▲ Create new Schedule from existing Schedule Blocks
- Detailed Schedule Planning allows user to plan:
 - ▲ Labour: Item Activities, Man Hours, Labour Budget
 - ▲ Establish Activity- Resources association
 - ▲ Specify Subcontractors and Subcontractor Budget
 - ▲ Plan Materials and Parts
 - ▲ Set Tools and Equipment
- Budget Planning:
 - ▲ Set Budget target for the Project, Job and each Schedule Item
 - ▲ Review Budget (Project, Job, Schedule Item) calculated based on Schedule details.
 - ▲ Review Calculated Budget Details: Labour, Subcontractors, Materials, and Equipment

2.2 Project Progressing:

- Track Schedule Items progress and actual dates
- Specify Actual work done: actual hours, detailed description, cost
- Record Subcontractors progress
- Record Actual Materials purchase and Equipment use
- Specify Progress Details
- Review Project Forecast, calculated by Application for Project, Job and Schedule Item
- Keep track and manage Project deficiencies:
 - ▲ Working Issues
 - ▲ Extra Work Orders
- Manage Project Budget:

- ▲ Specify Actual Cost for Labour, Subcontractors, Materials...
- ▲ Review Up-To-Date Budget information (Planned/Projected/Actual) for:
 - Budget
 - Cost
 - Profit
- ▲ Review Details of Budget/Cost information (Planned/Projected/Actual):
 - Labour
 - Subcontractor
 - Materials
 - Equipment
- ▲ Review Forecast (Projected) (Budget/Cost/Profit) for Schedule Item, Job and whole Project.

2.3 Information Sharing / Communication Support

- Associate Resources with Project, Job, Schedule Item, Activities...
- Generate Reminders – effective way to share and track important information.
- Raise Issues – immediately share Issues between all related Resources.
- Associate E-Mails with Project/Job/Schedule Item/... and share with related people.
- Task Console – powerful means to communicated all Resource related information (Resource Assignments, Reminders, Issues), plan and manage personal work

3 General Business Support

3.1 Project Information:

- General Project Information
- Jobs Information
- Project Revisions Information
- Project History
- Resource and People association
- Project Result summary

3.2 Personal Information

- Personal information and Person's Contact information
- Person-Company association
- Company Resources

3.3 Company/Client Information

- Company information and Company Addresses /Phones/E-mails
- People – Company Association
- Client information and Client members association (Companies/People)

3.4 Contact Information

- Detailed Postal, Phones, Electronic (E-Mail, Web Address) information
- Addresses and Phones sharing between people and companies

- Efficient Address / Phone Search

3.5 Supportive information

Information and categorization for:

- Vendors
- Materials
- Equipment

4 Information Search

- Search functionality provides efficient way to find information related to Project, Schedule, Client, Person, Subcontractor, and Material...
- On-Screen links makes related information quickly available from major screens.

5 Reporting Capabilities

Reports are developed outside of the Application and delivered separately.

Program provides functionality to plug Reports into Application and use them during program execution similar to natively compiled Reports.

This provides following benefits:

- Reports selection can be customized for Company needs.
- New and modified Reports can be added to the application at any time.
- Client Specific Reports may be developed upon Client request.

6 Administrative Functionality

6.1 User Administration:

- Create and Administer User Groups
- Flexible and convenient Group Permissions Administration

6.2 Internationalization and User interface customization

- Fully internationalised
- Allows changing User interface for Company specific needs:
 - ▲ User Messages
 - ▲ Forms/Reports labels
 - ▲ Validation messages

6.3 Additional Information

Application allows configuring major screens to have additional information (non-existing at design time). This allows user to specify and maintain extra information for Project, Job, Person, Company, Client, and Schedule Item...

7 Multi-user environment

Application has full support to operate in multi-user environment.

Data Conflict Detection and Resolution functionality is part of application design.

8 Database Requirements

Application is designed to work with various Database Types:

- Oracle
- MS SQL Server
- Access