

12/5/2020

PCG IT Solutions Ltd



OUR PORTFOLIO

- 1. CUSTOM CLOUD APPLICATIONS PROJECTS
INCL. REPORTING**

- 2. AUTOMATION PROJECTS**



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1. CUSTOM CLOUD APPLICATIONS DEVELOPMENT INCL. REPORTING (ON MS AZURE PLATFORM)

In the course of the next few pages, we provide an **overview** as to how our different systems work. We also provide an insight as to how we come up with solutions tailored to our client's specifications.

You may wish to note that all these systems have been designed using the Microsoft Dot Net framework.

1.2. Cloud-based Applications

In general, our applications are **cloud-based** implying that they are accessible **almost anywhere** throughout the world just **like one's Gmail**; in other words one just has to key in one's credentials to access the system.

Though our cloud-based systems are very user-friendly and intuitive; the user is expected to have some basic functional knowledge to make optimal use of it.

1.3. Reporting

Reporting has been integrated to **Custom Cloud Applications** but it can very well exist on its own too.

In essence, any company storing its data in a relational database can readily request to **add Custom Reports to their system**. In general, at PCG IT Solutions, we come up with Custom Reports for all of our clients except for those using Oracle database.

Reporting is very important as it enables system users to summarise and present the data in a way that best suits their business goals.

As a matter of example, sales users can - with the use of Custom Reports - readily **figure out the number of items sold over a given period of time and the profit made therein**. (Ref. **Reporting section in GXA Life Insurance System**)

1.4. Full Demo

As a matter of info, this is just a quick overview of our system. Please feel to contact us to ask for **a full demo** so that we can give you an insight of what our products/services are all about.



1.5. Methodology

In the course of the project, our project team (incl. our project manager and software engineers etc.) will meet with our client team generally via conference calls (incl. telephone, video and screen-sharing) on a weekly basis. We will duly analyse our clients' requirements and come up with a solution which will best fit their needs.

Typically the different stages of the project are listed as follows:-

- ✓ Prototypes

In this stage, client's requirements are gathered and analysed and mock-up screens are designed to represent the client's needs. This iterative process goes on until the client is fully satisfied with the suggested solution.

- ✓ Development/Coding incl. creation of Database

The application is coded and the result is shown to the client on a regular (weekly basis) in the course of our project meetings. During this stage, all the different modules of the system are also **tested** prior to UAT.

- ✓ User Acceptance Tests (UAT)

In the course of this stage, the newly designed system is remitted to the client so that it is fully tested. During this exercise, bugs are logged and fixed in the course of our **weekly** deployments (or builds). Additionally, **minor** change requests are taken on board during this phase. The process goes on until the Go-Live date.

- ✓ Go-Live ******

The Go-Live date typically marks the end of the project whereby all project deliverables (incl. Software, Relevant Project Mgmt. docs and User Guide) are delivered to the client.

- ✓ Maintenance & User Support

- Post Go-Live support/assistance

At PCG IT Solutions, we do provide ongoing support/ Post Go-Live support to our clients even when the project is over so that bugs identified, change/enhancements are duly handled by our software development team.



Note: -

- (1) The Go-Live** is **NOT** really a stage or a process.
- (2) All installations (and related updates) **can be done remotely** i.e., no need for our team to travel to handle applications issues.

1.6. Payments**

You may wish to note that payments (part payments) are settled at **three** distinct periods

- After the prototype stage
- On the first day of UAT
- On Go-live date

- **Recent Custom Cloud Application Projects** are as shown:-

- Generate & Print Barcode system
- Galileo Reinsurance System
- GXA Life Insurance System
- Order Processing & Billing (OPB) System (**COMING SOON!**)

MORE @ <https://pcg-ict.com/our-activities/cloud-apps-development/>



2. CUSTOM CLOUD APPLICATION (INCL. REPORTING) PROJECTS

2.1. Generate & Print Barcode system

The Generate & Print Barcode system is a **very simple non-cloud based** application whereby system users can add the Product Codes of a number of Products and **store** them into a text file (via the <New> button).

As such, users can search all the Product Codes into the drop down (ref. below); <Generate> and <Print> the bar codes as per their requirements.

The following illustrates the Bar code application. You will note that we have **deliberately** masked the company's name.

Magic Hardware's
BARCODE GENERATOR

Artificial Bamboo Green 5m

2864727861739507

Product Code	28647278617395 - Artificial Bamboo Green 5m
Barcode Width	300
Barcode Height	75

Generate New Save Print

Designed by PCG IT Solutions Ltd



2.2. Galileo Reinsurance System

The Galileo Reinsurance System basically consists of a main (**Transaction**) screen along with a number of other screens as per the Main Menu (Ref. Page 7)

Technical Accounting

- Credit Note
- Debit Note

Claims

- Claim Advice
- Claim Settlement Advice

Administration

- Third Party
- Views
 - o Transaction View

Reports/Exports

- Brokerage Per Transaction Report

What follows is the Login screen of the **cloud-based** Galileo Reinsurance System; you will note that we have deliberately masked the client's Logo and his/her login as shown below





The Transaction screen is the **core** of the system where records can be Created, Updated, Queried and Deleted (etc.) depending on the **User's access rights**.

Once the user is logged in; he/she will access the Main screen (Ref below) along with the above mentioned screens based on his/her **access rights (permissions)**.

Galileo Reinsurance System

Financial Accounting Technical Accounting Claims Administration Reports/Exports

Underwriting Year	2019	Currency	USD
Type Of Cover	EPG - Energy Power Gene	Sum Insured(100%)	250,000.00
Transaction No	EPG-2019-07-0001	Premium	35,000.00
Insured Name	ZY	Premium Due Date	07/31/2019
Cedant	GXA ASSURANCE	Our Share (%)	32.50
Insurer/Reinsurer	ABC REINS	Premium Due To Aegis Re	10,000.00
Country	ABC REINS King (Re) Mauritius Union Assurance NEW INDIA ASSURANCE Point Reinsurance Swan Insurance	Premium Due To Ins./Reins.	5,000.00
<input checked="" type="radio"/> Opportunity		Commission To Insurer(%)	3
<input type="radio"/> Contract		Commission From Reinsurer(%)	0
		Brokerage	2,000.00

Client Ref. Number: 170500
 New/Endo/Ren: Test
 Period From: 07/31/2019
 Period To: 07/31/2020
 Status: Test
 Intermediary: DIRECT
 Contract Documents: Compliance Documents
 Other Docs
 Proposal Forms
 Risk Survey
 Signed Contracts
 Slips
 Compliance
 Retro Facultative Treaty Direct Broking

<< First < Previous Next >> Last >> Clear New Update Delete Search

As a matter of illustration we provide the reader an insight as to how a Transaction record is created.

You may wish to note that whilst the screen buttons are simple and intuitive; **the creation of the New Records and Search of a given record** imply that one has to hit the <Clear> button to clear the screen first and then key in (or select from the dropdowns) all the required values pertaining to the Transaction record and then hit <New> to save the record.



The screenshots below illustrates the Creation of a Transaction record and how the Transaction No will be automatically generated (as highlighted)

Galileo Reinsurance System

Financial Accounting Technical Accounting Claims Administration Reports/Exports

Underwriting Year	2019	Currency	USD	Client Ref. Number	170500
Type Of Cover	EPG - Energy Power Genie	Sum Insured(100%)	250000	New/Endo/Ren	Test
Transaction No	<input type="text"/>	Premium	35000	Period From	07/31/2019
Insured Name	ZY	Premium Due Date	07/31/2019	Period To	07/31/2020
Cedant	XW	Our Share (%)	<div style="border: 1px solid black; padding: 5px; text-align: center;"> TRANSACTION RECORD INSERTED <input type="button" value="OK"/> </div>		
Insurer/Reinsurer	VT	Premium Due To Aegis Re			
Country	Kenya	Premium Due To Ins./Reins.	3		
<input checked="" type="radio"/> Opportunity					
<input type="radio"/> Contract					
<input type="button" value="I<< First"/> <input type="button" value="< Previous"/> <input type="button" value="Next >"/> <input type="button" value="Last >>"/> <input type="button" value="Clear"/> <input type="button" value="New"/> <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Search"/>					

TRANSACTION RECORD INSERTED

Galileo Reinsurance System

Financial Accounting Technical Accounting Claims Administration Reports/Exports

Underwriting Year	2019	Currency	USD	Client Ref. Number	170500
Type Of Cover	EPG - Energy Power Genie	Sum Insured(100%)	250.000,00	New/Endo/Ren	Test
Transaction No	EPG-2019-07-0001	Premium	35.000,00	Period From	07/31/2019
Insured Name	ZY	Premium Due Date	07/31/2019	Period To	07/31/2020
Cedant	XW	Our Share (%)	32,50	Status	Test
Insurer/Reinsurer	VT	Premium Due To Aegis Re	10.000,00	Intermediary	DIRECT
Country	Kenya	Premium Due To Ins./Reins.	5.000,00	Contract Documents	<input type="checkbox"/> Compliance Document: <input type="checkbox"/> Other Docs <input type="checkbox"/> Proposal Forms <input checked="" type="checkbox"/> Risk Survey <input type="checkbox"/> Signed Contracts <input type="checkbox"/> Slips
<input checked="" type="radio"/> Opportunity					
<input type="radio"/> Contract					
<input type="button" value="I<< First"/> <input type="button" value="< Previous"/> <input type="button" value="Next >"/> <input type="button" value="Last >>"/> <input type="button" value="Clear"/> <input type="button" value="New"/> <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Search"/>					



At that point in time, the user can readily add the relevant Credit Note(s) or Debit Note or even Claims associated (Ref below)

CreditNote

CREDIT NOTE

Credit No.	<input type="text"/>
Original Insured	<input type="text" value="ZY"/>
Type Of Policy	<input type="text" value="EPG - Energy Power Generation"/>
Our Reference No.	<input type="text" value="EPG-2019-07-0001"/>
Period From	<input type="text" value="07/31/2019"/> <input type="button" value="..."/>
Period To	<input type="text" value="07/31/2020"/> <input type="button" value="..."/>
Insurer/Reinsurer	<input type="text" value="VT"/>
Currency	<input type="text" value="USD"/>
Benef. Account Number	<input type="text" value="125541735"/>
Gross Premium	<input type="text" value="35000"/>
Our Share	<input type="text" value="32.50"/> <input type="text" value="11375"/>
Brokerage	<input type="text" value="25"/> <input type="text"/>
Net Premium Payable	<input type="text"/>
<input type="checkbox"/> Approved <input type="checkbox"/> Sum Paid	

< Previous

What follows is a quick example as to how an associated Credit Note can be created and added to the Transaction.



CreditNote

CREDIT NOTE

Credit No.	<input type="text"/>
Original Insured	<input type="text" value="ZY"/>
Type Of Policy	<input type="text" value="EPG - Energy Power Generation"/>
Our Reference No.	<input type="text" value="EPG-2019-07-0001"/>
Period From	<input type="text" value="07/31/2019"/> <input type="button" value="..."/>
Period To	<input type="text" value="07/31/2020"/> <input type="button" value="..."/>
Insurer/Reinsurer	<input type="text" value="VT"/>
Currency	<input type="text" value="USD"/> <input type="button" value="..."/>
Benef. Account Number	<input type="text" value="125541735"/>
Gross Premium	<input type="text" value="35000"/>
Our Share	<input type="text" value="32.50"/> <input type="text" value="11375"/>
Brokerage	<input type="text" value="25"/> <input type="text" value="2843.75"/>
Net Premium Payable	<input type="text" value="8531.25"/>
<input type="checkbox"/> Approved <input type="checkbox"/> Sum Paid	
<input type="button" value="< Previous"/> <input type="button" value="Next>"/> <input type="button" value="Clear"/> <input type="button" value="New"/> <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Print"/>	

CREDIT NOTE INSERTED

Once again, the Credit No is automatically generated as highlighted below

CreditNote

CREDIT NOTE

Credit No.	<input type="text" value="EPG-2019-07-0001-C-01"/>
Original Insured	<input type="text" value="ZY"/>
Type Of Policy	<input type="text" value="EPG - Energy Power Generation"/>
Our Reference No.	<input type="text" value="EPG-2019-07-0001"/>
Period From	<input type="text" value="07/31/2019"/> <input type="button" value="..."/>
Period To	<input type="text" value="07/31/2020"/> <input type="button" value="..."/>
Insurer/Reinsurer	<input type="text" value="ABC REINS"/>
Currency	<input type="text" value="USD"/> <input type="button" value="..."/>
Benef. Account Number	<input type="text" value="125541735"/>
Gross Premium	<input type="text" value="35,000.00"/>
Our Share	<input type="text" value="32.50"/> <input type="text" value="11,375.00"/>
Brokerage (%)	<input type="text" value="25.00"/> <input type="text" value="2,843.75"/>
Net Premium Payable	<input type="text" value="8,531.25"/>
<input type="checkbox"/> Approved <input type="checkbox"/> Sum Paid	
<input type="button" value="< Previous"/> <input type="button" value="Next>"/> <input type="button" value="Clear"/> <input type="button" value="New"/> <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Print"/>	



2.3. GXA Life Insurance System

In essence, the GXA Life Insurance System **automates the computation of monthly Insurance Premiums** to be collected from the Insured by the Life Insurance Company.

So the system basically consists of Amortisation Plans for Loans taken by clients and the **monthly Insurance Premiums** payable to the Insurance Company. Another big feature of GXA Life Insurance System is the Insurance Premium **Report** for any given period of time (past, present or future).

The GXA Life Insurance System basically consists of a “**Main**” screen and a “**Financial Operations > Loans And Overdrafts**” screen along with a number of other screens including Reports/Views (Ref. Page 14)

Financial Operations (Opération Financière)

- Loans And Overdrafts (Prêts Et Découverts)

Insured Details (Détails de l'Assuré)

- Questionnaire

Administration

- Bank Details (Détails des Banques)

Reports/Views (Rapports/Tableaux)

- Reports (Rapports)
 - o Insurance Premiums for a defined period (Primes par période)
- Views (Tableaux)
 - o Insurance Plans (Plans d'Assurances)
 - o Insurance Premiums (Primes d'Assurances)

What follows is the Login screen of the GXA Life Insurance System (Ref Next Page)

You may wish to note that certain sections or labels of the application could be in **french** as the client primarily comes from a French-speaking country



Login X




User Name	<input type="text"/>
Password	<input type="password"/>
User Type	<input type="text" value="ADMIN"/>
Job Type	<input type="text" value="DIRECT"/>

Designed by PCG IT Solutions Ltd



The screenshot shows a software interface titled 'GROUP INSURANCE CONTRACTS - GXA'. At the top, there is a menu bar with 'Main', 'Financial Operations' (circled in red), 'Insured Details', 'Administration', and 'Reports/Views'. Below the menu is a title bar 'GROUP INSURANCE CONTRACTS - GXA'. The main area is divided into two columns. The left column contains fields for 'Client No' (C-2019-08-0002), 'Client Bank Ref' (C-2517), 'Code No' (2321), 'Account Number' (12257817), 'Registered Address' (Rue Ethiope), 'Last Name of Holder' (Almond), and 'First Name of Holder' (George Q.). The right column contains fields for 'Last Name of Insured' (Almond), 'First Name of Insured' (George Q.), 'Date Of Birth' (20/05/1975), 'Sex' (H), 'Job' (TEST Menuisier), and 'Address' (Rue Angola). At the bottom, there are buttons for 'I<< First', '<<Previous', 'Next>>', 'Last >>I', 'Clear', 'Save New', 'Update', 'Delete', 'Reinitialise', and 'Search'.

In the screen above, the Personal Details of the Insured are recorded.

For this particular client, one can view his/her Loans and Overdrafts by clicking on “**Financial Operations> Loans And Overdrafts**” on the menu.

For the sake of this portfolio, the focus will be on the **salient features** of the Life Insurance System only.

Details of the Loans and the corresponding **Amortisation Plan** are provided on next page



Plan

LOAN / OVERDRAFT DETAILS

Loan No	C-2019-08-0002-P-001	Bank	BCI
Client No	C-2019-08-0002	Account Number	12257817
Last Name	Almond	Interest Rate(%)	10.00
First Name	George Q.	Insurance Rate(%)	0.95
Client Bank Ref	C-2517	Increment(%)	0
Borrowed Amount	400,000.00	Period	MENSUELLE
Insured Amount	400,000.00	Num Instalments	36
Currency	DJF	Deferred Period	0
		Disbursement Date	23/10/2019

First Instalment Date: 22/05/2019

Loan End Date: 17/10/2019

Status: EN COURS

Financial Operation Type:

- Amortisable Loan
- Overdraft

Declaration:

- Not Covered by this contract
- Covered by this contract

EFFECTED AT: GXA ASSURANCES on 30/07/2019

AMOUNT OF INSURED CAPITAL: 40,000.00

Amortisation Plan

#	Due Date	Balance	Principal	Interest	Insurance	Instalments
1	22/May/2019	390,564.00	9,436.00	3,333.00	317.00	13,086.00
2	22/June/2019	381,042.00	9,522.00	3,255.00	309.00	13,086.00
3	22/July/2019	371,433.00	9,609.00	3,175.00	302.00	13,086.00
4	22/August/2019	361,736.00	9,697.00	3,095.00	294.00	13,086.00
5	22/September/2019	351,951.00	9,785.00	3,014.00	286.00	13,086.00
6	22/October/2019	342,077.00	9,874.00	2,933.00	279.00	13,086.00
7	22/November/2019	332,112.00	9,965.00	2,851.00	271.00	13,086.00
8	22/December/2019	322,056.00	10,055.00	2,768.00	263.00	13,086.00

#	Year	Principal	Interest	Insurance	(Yearly) Instalments
2	2020	128,068.00	26,451.00	2,513.00	157,032.00
3	2021	142,817.00	12,982.00	1,233.00	157,032.00
4	2022	51,171.00	1,071.00	102.00	52,344.00
	TOTAL	400,000.00	64,928.00	6,168.00	471,097.00

Save List **Delete List** **Print List**

Details pertaining to the Loan including parameters like Sum Insured, Sum Borrowed, Insurance Rates, Interest Rates, Number of Instalments etc. are recorded and the Amortisation Plan for the Loan, based on the whole set of parameters, is generated by clicking on the **< Amortisation Plan >** button as highlighted above.

The Amortisation Plan shows that the client (Mr. Almond) has to remit 317 DJF (highlighted above) as Insurance Premium to the Insurance Company on May 22nd 2019.

Additionally, the client will have to pay a total of 6,168 DJF as Insurance Premium to the Insurance Company for the 400,000 DJF loan based on a number of parameters as per the screenshot above.

The Full Details pertaining to the Amortisation Plan can then be printed or saved as PDF. Likewise, details of other Insured and their corresponding Loan details are duly saved.



2.3.1. Reporting Feature

One of the essential features of the GXA Life Insurance System is the user-friendly **Insurance Premium Report** which can be generated over **any** given period of time. The content of the report can then be either printed or saved as PDF or Exported to Excel

Case 1:- From 26/11/2019 to 26/12/2019

INSURANCE PREMIUM FOR A DEFINED PERIOD

DATE
 From 26/11/2019 To 26/12/2019

Insured Name	Financial Institution	Financial Operation											
INSURANCE PREMIUM FOR A DEFINED PERIOD													
	Client No	Loan No	Client Bank Ref.	Last Name	First Name	Borrowed Amount	Currency	Financial Institution	Status	Num Instalments	First Instalment	Amortisable Loan(P)/ Overdraft(D)	Insurance Premium
▶	C-2019-08-0002	C-2019-08-0002...	C-2517	Almond	George Q.	400000.00	DJF	BCI	EN COURS	36	2019-05-22	P	263.00
	C-2019-08-0002	C-2019-08-0002...	C-2517	Almond	George Q.	575000.00	DJF	GXA	EN COURS	25	2019-10-25	P	992.00
	C-2019-08-0002	C-2019-08-0002...	C-2517	Almond	George Q.	25000000.00	DJF	BCI	EN COURS	48	2019-12-19	P	19,792.00
	C-2019-08-0003	C-2019-08-0003...	A-1412	Putty	Abdel M.K	1018000.00	DJF	BOA	EN COURS	36	2019-05-25	P	727.00
	C-2019-09-0001	C-2019-09-0001...	C-1752	G.	Gary	1627000.00	DJF	BOA	EN COURS	36	2018-09-25	P	885.00
	C-2019-09-0001	C-2019-09-0001...	C-1752	G.	Gary	250000.00	DJF	BCI	EN COURS	12	2019-08-17	P	135.00
	C-2019-10-0001	C-2019-10-0001...	AC-12417	TERIEUR	Alain	975000.00	DJF	BDCC	EN COURS	24	2019-10-26	P	792.00
	TOTAL	###	###	###									23,586.00
*													

Refresh Grid Print Export



Case 2:- From 26/12/2019 to 26/12/2020

INSURANCE PREMIUM FOR A DEFINED PERIOD

DATE

Insured Name From To Financial Institution Financial Operation

	Client No	Loan No	Client Bank Ref.	Last Name	First Name	Borrowed Amount	Currency	Financial Institution	Status	Num Instalments	First Instalment	Amortisable Loan(P)/ Overdraft(D)	Insurance Premium
▶	C-2019-08-0002	C-2019-08-0002-...	C-2517	Almond	George Q.	400000.00	DJF	BCI	EN COURS	36	2019-05-22	P	2,513.00
	C-2019-08-0002	C-2019-08-0002-...	C-2517	Almond	George Q.	575000.00	DJF	GXA	EN COURS	25	2019-10-25	P	8,758.00
	C-2019-08-0002	C-2019-08-0002-...	C-2517	Almond	George Q.	25000000.00	DJF	BCI	EN COURS	48	2019-12-19	P	211,357.00
	C-2019-08-0003	C-2019-08-0003-...	A-1412	Putty	Abdel M.K	1018000.00	DJF	BOA	EN COURS	36	2019-05-25	P	7,033.00
	C-2019-09-0001	C-2019-09-0001-...	C-1752	G.	Gary	1627000.00	DJF	BOA	EN COURS	36	2018-09-25	P	7,697.00
	C-2019-09-0001	C-2019-09-0001-...	C-1752	G.	Gary	250000.00	DJF	BCI	EN COURS	12	2019-08-17	P	478.00
	C-2019-10-0001	C-2019-10-0001-...	AC-12417	TERIEUR	Alain	975000.00	DJF	BDCD	EN COURS	24	2019-10-26	P	7,876.00
	TOTAL	###	###	###	###								245,712.00

Refresh Grid Export

Different parameters can be selected to “filter” the data in the Report. In addition this report can also be printed by clicking the Print (i.e., <Print>) button – Ref. screenshot below

Print preview

PREMIUM PER PERIOD

GXA Assura

Date From : 26/12/2019 To :26/12/2020

Client No	Client Ban...	Last Name	First Name	Borrowed Am...	Financial Insti...	First Instalment	Insurance Premium
C-2019-08-0002	C-2517	Almond	George Q.	400000.00	BCI	2019-05-22	2,513.00
C-2019-08-0002	C-2517	Almond	George Q.	575000.00	GXA	2019-10-25	8,758.00
C-2019-08-0002	C-2517	Almond	George Q.	25000000.00	BCI	2019-12-19	211,357.00
C-2019-08-0003	A-1412	Putty	Abdel M.K	1018000.00	BOA	2019-05-25	7,033.00
C-2019-09-0001	C-1752	G.	Gary	1627000.00	BOA	2018-09-25	7,697.00
C-2019-09-0001	C-1752	G.	Gary	250000.00	BCI	2019-08-17	478.00
C-2019-10-0001	AC-12417	TERIEUR	Alain	975000.00	BDCD	2019-10-26	7,876.00
TOTAL	###	###	###				245,712.00

This is an example of **Custom Reports** within the **GXA Life Insurance System**.



2.4. Order Processing & Billing (OPB) System (COMING SOON!)

The aim of the Order Processing and Billing (OPB) System is basically to considerably improve stock control and track Account Receivables from the Clients.

It all starts with tracking Quotations, corresponding Purchase Orders, Invoice and Receipts. The system also involves Products and Services (PNS) and Client Details.

So, in essence, the system (user/employee/salesperson) will create a quotation and a corresponding Purchase Order (PO) will be created accordingly as the client validates the quotation.

The Client Purchase Order (PO) will contain items i.e., a list of Products and Services (PNS) requested by the client.

An Invoice will in turn be generated following the transaction; and a Receipt will subsequently be issued as the client effects payment.

A glimpse of the project (in development phase) is provided below with the following screenshots:-

2.4.1. Client and Corresponding Orders

The screenshot shows a Windows application window titled 'Client Details'. The main window has a title bar 'Client Details' and a sub-header 'Client Details'. It contains several text input fields for client information: Client No (CLI-2020-07-0001), Comp. Name (aa u), Client Name (Krish u), Phone (0145782445 a), Fax (dd u), and Email (1@gmail.com u). To the right, there is a section for 'Address Line' with five input fields (ad1 u, ad2 u, ad3 u, ad4 u, ad5 u) and a 'Comment' field (ok u1 2). Below these fields are buttons for navigation (k<<, <<, >>, >>>), Clear, Save, Update, Delete, Search, and Print. At the bottom, there are tabs for QUOTATION, ORDER, INVOICE, and RECEIPT, with the ORDER tab selected. A grid table displays order details with columns: ORD_ORD_NO, ORD_SUPP_NO, ORD_CLIENT_NO, ORD_DATE, ORD_REQUIRED, ORD_SHIPPED_D, ORD_STATUS, and ORD_COM. The grid shows two rows of data:

ORD_ORD_NO	ORD_SUPP_NO	ORD_CLIENT_NO	ORD_DATE	ORD_REQUIRED	ORD_SHIPPED_D	ORD_STATUS	ORD_COM
ORD-2020-07-00	S1	CLI-2020-07-0001	06-07-2020	07-07-2020	08-07-2020	1	ok1
ORD-2020-07-00	S1	CLI-2020-07-0001	06-07-2020	07-07-2020	08-07-2020	1	ok



2.4.2. Products And Services (PNS) and corresponding Orders

MainMenu

GENERAL CLIENT ORDER INVOI

PNS

Product And Services (PNS)

PNS No :	PNS-2020-07-0001
PNS Code :	P001
PNS Serial No :	1
PNS Warranty :	2
PNS Category Name :	C1
PNS Name :	product1
PNS Desc Line :	d1 d2 d3 d4 up31 70
PNS Type :	T1
PNS Buying Price :	10.0000
PNS Units in Stock :	1

ORDERS

ORD_ORD_NO	ORD_SUPP_NO	ORD_CLIENT_NO	ORD_DATE	ORD_REQUIRED_DATE	ORD_SHIPPED_DATE	ORD_STATUS	ORD_COMMENT
ORD-2020-07-0001	S1	CLI-2020-07-0001	06-07-2020	07-07-2020	08-07-2020	1	ok1
ORD-2020-07-0002	S2u	CLI-2020-07-0002	07-07-2020	08-07-2020	09-07-2020	4	ok2u
*							



2.4.3. Orders and corresponding Products And Services (PNS)

MainMenu

GENERAL CLIENT ORDER INVOICE RECEIPT PNS REPORTS ADMIN

Order

ORDER DETAILS

Order No :	ORD-2020-07-0001	Required Date :	07-07-2020
Supplier No :	S1	Shipped Date :	08-07-2020
Client No :	CLI-2020-07-0001	Status (Order Confirmed by Client) :	1
Order Date :	06-07-2020	Comments :	ok1

[<< < > >>] [Clear] [Save] [Update] [Delete] [Search] [Print]

Product And Services (PNS)

PNS_NO	PNS_CODE	PNS_SERIAL_NO	PNS_WARRANTY	PNS_CATEGORY	PNS_NAME	PNS_DESC_LN1	PNS_DESC_LN2
PNS-2020-07-0001	P001	1	2	C1	product1	d1	d2
*							



3. AUTOMATION PROJECTS

Process Automation typically refers to the technology whereby programs i.e., **Software Robots** replicate manual processes typically performed by human beings in an automated yet highly reliable way.

Typically software robots can open e-mails and attachments, log into applications, fill in forms, perform calculations, and read from and write to databases (i.e., via CSVs or excel).

Automation allows organisations to do more with 100% accuracy whilst minimising risk when it comes for instance to performing repeatable jobs. As a matter of comparison, **software robots** can operate up to **15 times as quick as the fastest human workers!**

In essence, automation aims at freeing up high value employees from tedious labour intensive tasks and devote their precious time to decision-making and problem solving activities.

As a matter of example, automation can be used for Invoice Management (as illustrated below), Payment Processing, Computing Metrics pertaining to social media, Reporting and Reconciliation etc....

3.1. Methodology

As regards the methodology when it comes to Automation projects; it is same for custom Cloud-based Application projects (*Ref. Page 2*) but it would generally exclude the Prototype stage.

3.2. Payments**

You may wish to note that payments (part payments) are settled at **three** distinct periods

- At the outset (once project scope has been defined)
- On the first day of UAT
- On Go-live date

- **Recent AUTOMATION PROJECTS** are as shown:-

- Input Automation System for Cloud/Desktop Application
- Invoice Automation Tool

MORE @ <https://pcg-ict.com/our-activities/process-automation>



3.3. Input Automation System for Cloud/Desktop Application

The objective is to get the **Software Robot** to pick up the cell value data from an excel sheet (**Ref. highlighted below**); open/log into the Cloud-based application i.e., **Life Insurance System**; copy and paste the highlighted data line in an error-free manner to the required form.

Loan-Detailx - Excel

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	Statut d'insertion	No de certificat	Montant emprunte	Montant assure	Devise	Banque	Taux d'intérêt	Taux d'assurance	Majoration	Periodicité	Nombre d'échéance	Periode différée	Date de déblocage	Date de première échéance	Statut	Opérat
2	N	C-1240	575000	575000	DIF	BOA	10	0,95	0	MENSUELLE	24	0	01/03/2020	17/03/2020	AUTRE	P
3	E	C-2817	2000000	2000000	DIF	BOA	11	1	0	MENSUELLE	30	1	03/03/2020	20/03/2020	EN COURS	P
4	E	C-1505	125000	125000	DIF	GXA	14	1,2	0	MENSUELLE	42	1	07/04/2020	22/03/2020	EN COURS	D
5	E	C-1425	75000	75000	DIF	BOI	10	0,95	0	MENSUELLE	24	1	28/03/2020	28/04/2020	EN COURS	P
6	E	C-1425	50000	50000	DIF	GXA	14	1,2	0	MENSUELLE	30	0	03/04/2020	30/04/2020	EN COURS	P
7	E	C-2780	175000	175000	DIF	BOA	11	1	0	MENSUELLE	40	1	07/03/2020	28/03/2020	EN COURS	P
8	E	C-1425	100000	100000	DIF	BOA	11	1	0	MENSUELLE	46	1	08/04/2020	01/05/2020	EN COURS	P
9	E	C-1535	15200	15200	DIF	GXA	14	1,2	0	MENSUELLE	36	0	15/02/2020	05/05/2020	AUTRE	P
10	E	C-1535	35000	35000	DIF	BOI	10	0,95	0	MENSUELLE	48	0	14/02/2020	06/06/2020	EN COURS	D
11	E	C-1174	775000	775000	DIF	BOI	10	0,95	0	MENSUELLE	24	0	19/04/2020	21/04/2020	PRÉT ANNULÉ	P
12	E	C-1174	2500000	2500000	DIF	BOA	11	1	0	MENSUELLE	30	1	12/04/2020	17/04/2020	EN COURS	P
13	E	C-2817	1500000	1500000	DIF	BO	10	0,95	0	MENSUELLE	48	0	11/04/2020	22/04/2020	EN COURS	P
14	E	C-2780	1150000	1150000	DIF	BO	10	0,95	0	MENSUELLE	20	0	17/04/2020	28/04/2020	EN COURS	D
15	E	C-1505	110000	110000	DIF	BOA	11	1	0	MENSUELLE	22	1	19/04/2020	30/04/2020	EN COURS	P
16	N	C-2780	550000	550000	DIF	GXA	14	1,2	0	MENSUELLE	32	1	11/05/2020	20/05/2020	EN COURS	P
17																
18																
19																
20																



Plan

LOAN / OVERDRAFT DETAILS

Loan No	C-2020-03-0001-P-001	Bank	BCI	First Instalment Date	17/03/2020
Client No	C-2020-03-0001	Account Number	92631043	Loan End Date	15/08/2022
Last Name	Worgan	Interest Rate(%)	10.00	Status	AUTRE
First Name	Perceval	Insurance Rate(%)	0.95	Financial Operation Type	
Client Bank Ref	C-1240	Increment(%)	0	<input checked="" type="radio"/> Amortisable Loan	<input type="radio"/> Overdraft
Borrowed Amount	575,000.00	Period	MENSUELLE	Declaration	
Insured Amount	575,000.00	Num Instalments	24	<input type="radio"/> Not Covered by this contract	<input checked="" type="radio"/> Covered by this contract
Currency	DJF	Deferred Period	0	Effectuated at	DJIBOUTI on 01/03/2020
		Disbursement Date	01/03/2020	Amount of Insured Capital	575,000.00

#	Due Date	Balance	Principal	Interest	Insurance	Instalments
1	17/March/2020	553,461.00	21,539.00	4,792.00	455.00	26,786.00
2	17/April/2020	531,725.00	21,736.00	4,612.00	438.00	26,786.00
3	17/May/2020	509,791.00	21,934.00	4,431.00	421.00	26,786.00
4	17/June/2020	487,656.00	22,134.00	4,248.00	404.00	26,786.00
5	17/July/2020	465,320.00	22,336.00	4,064.00	386.00	26,786.00
6	17/August/2020	442,780.00	22,540.00	3,878.00	368.00	26,786.00
7	17/September/2020	420,034.00	22,746.00	3,690.00	351.00	26,786.00
8	17/October/2020	397,081.00	22,953.00	3,500.00	333.00	26,786.00

#	Year	Principal	Interest	Insurance	(Yearly) Instalments
1	2020	224,456.00	39,640.00	3,766.00	267,862.00
2	2021	297,696.00	21,678.00	2,059.00	321,434.00
3	2022	52,848.00	662.00	63.00	53,572.00
	TOTAL	575,000.00	61,980.00	5,888.00	642,868.00



3.4. Invoice Automation Tool

The **Invoice Automation Tool** works by **extracting data from PDF Invoices** and **places the extracted data in an excel sheet** in a super-fast and error free manner (Ref. below) where further analysis can be performed.



INVOICE

INV-02/20052019

Date: May 20, 2019
 Currency: MUR

Service Provider:
 PCG IT Solutions Ltd
 THE HIVE,
 Industrial Road,
 ST PIERRE

Client:
 MK Advisors
 PANCIANO BUILDING,
 Royal Road,
 POINTE AUX CANNONIERS

	Particulars	Unit Price	Quantity	Line Total
1	Implementing Global Site Tag (GST) on MKA Website	17,000	1	17,000
	TOTAL		##	17,000



INVOICE

INV-02/19122019

Date: Dec 19, 2019
 Currency: MUR

Service Provider:
 PCG IT Solutions Ltd
 THE HIVE,
 Industrial Road,
 ST PIERRE

Client:
 MK Advisors
 PANCIANO BUILDING,
 Royal Road,
 POINTE AUX CANNONIERS

	Particulars	Unit Price	Quantity	Line Total
1	Resolving Web Links Issues on MKA Website	16,500	1	16,500
	TOTAL		##	16,500



INVOICE

INV-03/10072019

Date: Jul 10, 2019
 Currency: MUR

Service Provider:
 PCG IT Solutions Ltd
 THE HIVE,
 Industrial Road,
 ST PIERRE

Client:
 EXPERT DISCOVER LTD
 49, VICTORIA AVENUE
 QUATRE BORNES

Particulars		Unit Price	Quantity	Line Total
1	Hard Disk Drive (1 TB)	2,200	1	2,200
TOTAL			# #	2,200

The Excel Sheet where the software robot has placed all the extracted data is provided below. (i.e., next screenshot)

A	B	C	D	E	F	G	H
1 Company Name	Company Address	Invoice #	Invoice Date	Invoice Currency	First Line Reference	Total Amount	
2 MKAdvisors	POINTE AUX CANNONIERS	# INV-02/20052019	May20, 2019	MUR	Implementing Global Site Tag (GST) on MKA Website	17,000	
3 MKAdvisors	POINTE AUX CANNONIERS	# INV-02/19122019	Dec19, 2019	MUR	Resolving Web Links Issues on MKA Website	16,500	
4 EXPERT DISCOVER LTD	QUATRE BORNES	# INV-03/10072019	Jul10, 2019	MUR	Hard Disk Drive (1 TB)	2,200	
5							
6							
7							
8							

