

2019 UBS Group Chief Operating Officer (GCOO) Case Challenge

Tortoise Honey

Presents

RemIT



Agenda

- Process Analysis and Recommendation
- Solution Design
 - Architecture
 - Security
- Financial Analysis
- Execution Plan
- Moving Forward



Process Analysis and Recommendation



Objectives of Process Re-Engineering









Cost Savings







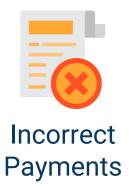






Huge Carbon Footprint











Overall
Statistics of
As-Is
Process

Process Statistics per Payment Instruction



Time Taken

90.50 minutes



Cost Incurred

\$30



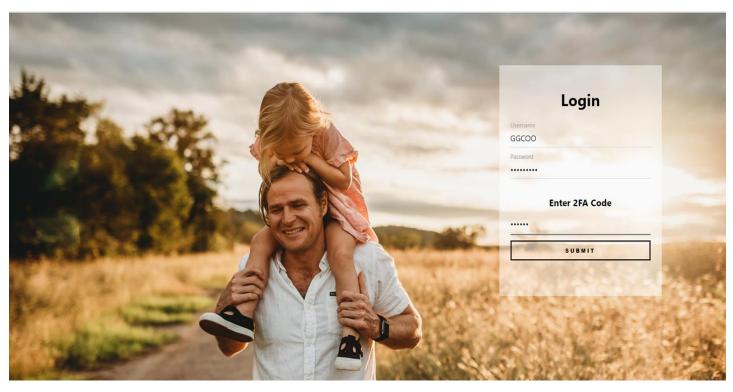
Total Executable per

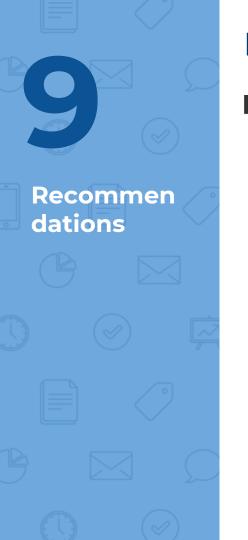
5 (8 hours)

Day

Recommen dations

Replaces Signatures with 2FA





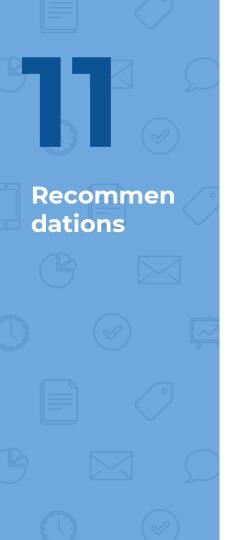
Replace Front Office with Web Form

Payment Instru	uction		
Account			
Account Name		Account Number	
Currency	Amount	Value Da	ate
Reason			
Beneficiary			
Beneficiary Account Number			
Beneficiary Name			



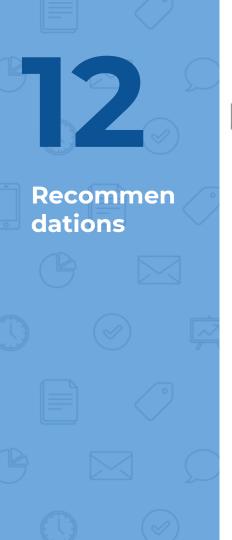
Replace Front Office with Web Form

Account Account Name Account Number Value Date Amount Reason (UAE) ACM: Agency Commission Beneficiary Beneficiary Account Number Beneficiary Name Beneficiary's Bank ABNAAEADAUH

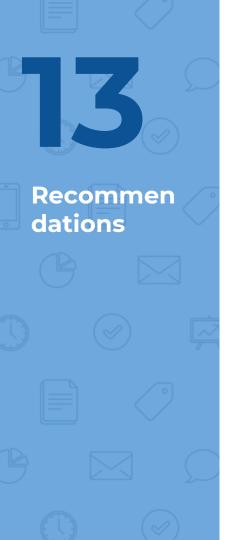


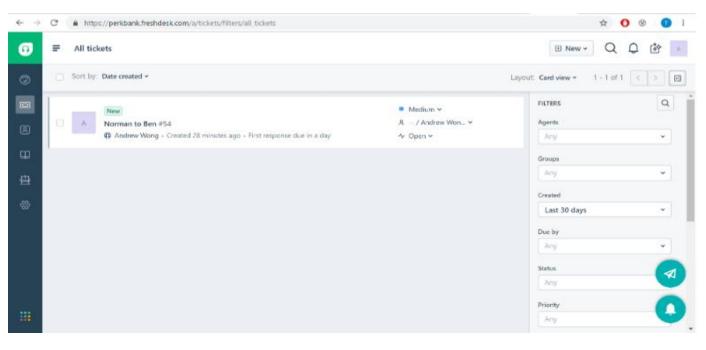


Application to Automate Process

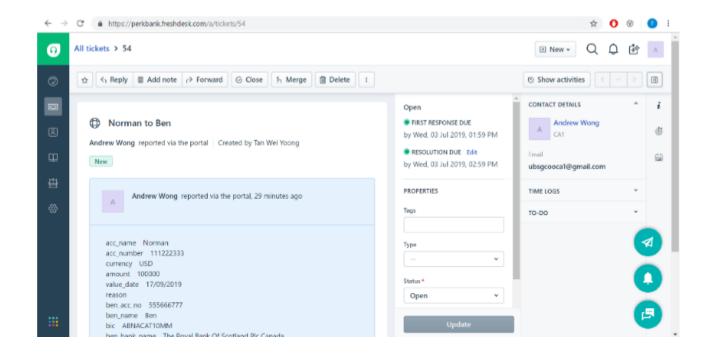


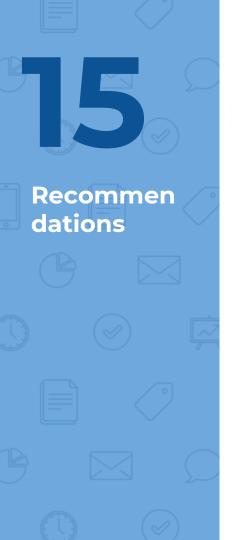
Process				
Payment Method			Ticket ID	
Culthack	Order of	Order Issued With		
Person Instructing				





Recommen dations

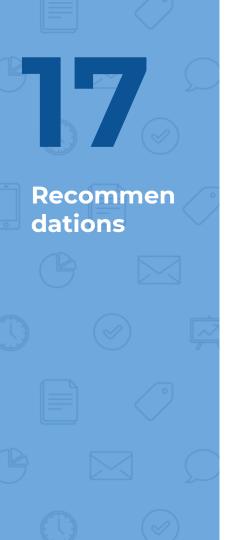




Payment Orde	er	
Process		
Payment Method		Ticket (I)
Caliback Order	of Order I	ssued With
Person Instructing Norman		
Account		
Account Humber 111222333		

Recommen dations

Beneficiary Acc 555666777 Beneficiary Nam Ben Beneficiary Address Big Street Beneficiary's Bank Bic ABNACATIOMM Beneficiary Bank Name The Royal Bank Of Scotland Pic Canada Beneficiary Bank Address Small Street				
Beneficiary Address Big Street Beneficiary's Bank BIC ABNACATIOMM Beneficiary Bank Name The Royal Bank Of Scotland Pic Canada Beneficiary Bank Address	555666777	-		
Big Street Beneficiary's Bank BIC ABNACAT10MM Beneficiary Bank Name The Royal Bank Of Scotland Plc Canada Beneficiary Bank Address			ОК	
Beneficiary's Bank BIC ABNACAT10MM Beneficiary Bank Name The Royal Bank Of Scotland Pic Canada Beneficiary Bank Address				
BIC ABNACAT10MM Beneficiary Bank Name The Royal Bank Of Scotland Pic Canada Beneficiary Bank Address	Big Street			
ABNACAT10MM Seneficiary Bank Name The Royal Bank Of Scotland Plc Canada Beneficiary Bank Address	Beneficiar	y's Bank		
Beneficiary Bank Name The Royal Bank Of Scotland Pic Canada Beneficiary Bank Address	BIC			
The Royal Bank Of Scotland Pic Canada Beneficiary Bank Address	ABNACAT10MM			
Beneficiary Bank Address	Beneficiary Bank Nan	ne		
	The Royal Bank	Of Scotland Plc Canada		
Small Street	Beneficiary Bank Add	Iress		
	Small Street			
Submit		Sticky Notes		





Enterprise Protection Solution

18 Managing Complexity

Transition Management Workshops



Frequent Hands-On Workshops



Peer Assist System



Tie to KPI

Reduction in manpower

	Reduction
Client Advisor Assistants	20%
PerkPay	100%
Documents	100%

More Value -Added Roles **Client Advisors**

Client Advisor Assistants

PerkPay

Payments

Cash Management

Documents

Information Security

Application Development

Overall Statistics of To-Be **Process**

Process Statistics per Payment Instruction



Time Taken

41.50 minutes **53% faster**



Cost Incurred

\$10

66% cheaper



Total Executable per Day per Staff

11

120% more

Overall
Statistics of
To-Be
Process

Qualitative Benefits Experienced by Stakeholders







Mundane Work



Customer Satisfaction



Personal Touch



Technology

Technology Used

Web Application



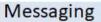






Data Management









Container Application



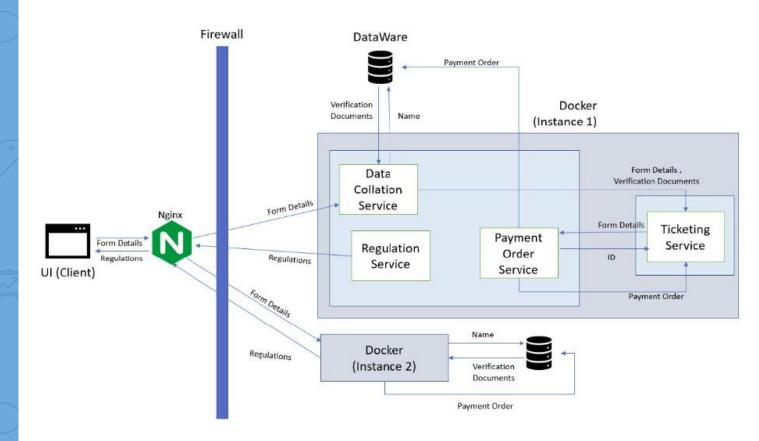
Security







High Level Architecture



Services & Their Functions



Data Collation



Regulation



Payment Order



Ticketing



Scalable, Resilient and Easily Maintained



Service Oriented Architecture



Load Balanced



Containerized Applications

28 Key Strengths

Security



2 Factor Authentication



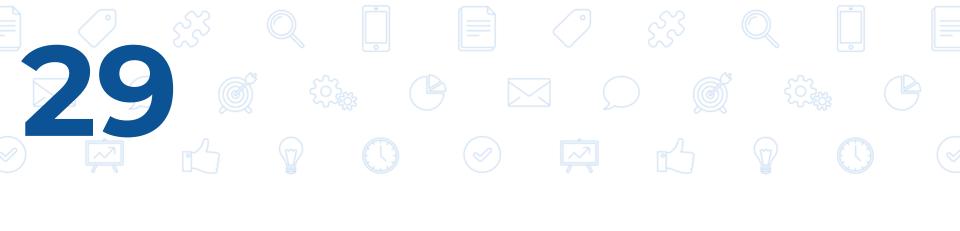
Authentication Tokens



256-bit encryption algorithm



Data Loss Prevention - Symantec



Finances

Choosing the Right Solution

	Option 1: Perk Bank Internal Solution	Option 2: Excellence Contracting Agency Solution	Option 3: Prestigious Systems and Services Leasing
Return on Investment (ROI)	121.89%	190.42%	231.08%
Implementation Risk	Low	Medium	High

\$1,911,941.51
Net Profit Value

1.84 Years
Discounted Payback Period

100%

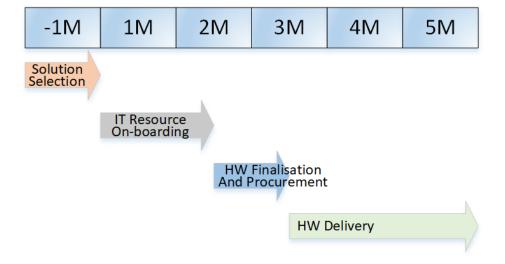
Success!



Execution Plan

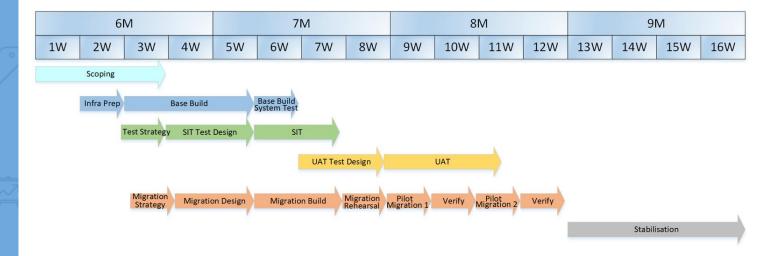


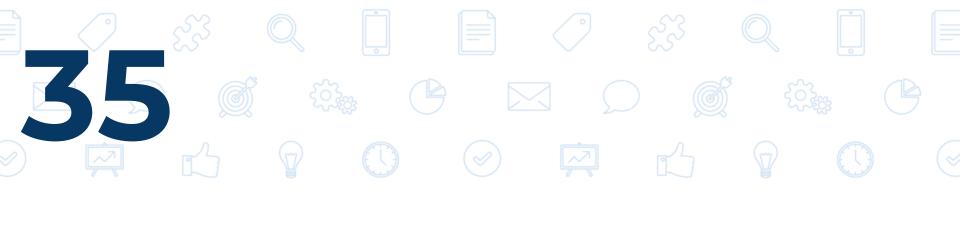
Phase 1 - Project Preparation



Timeline

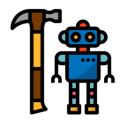
Phase 2 - Project Delivery





Moving On

What is Next?





Further Automation

Enhancing the Process



Conclusion

Conclusion



Secured



Customer Experience

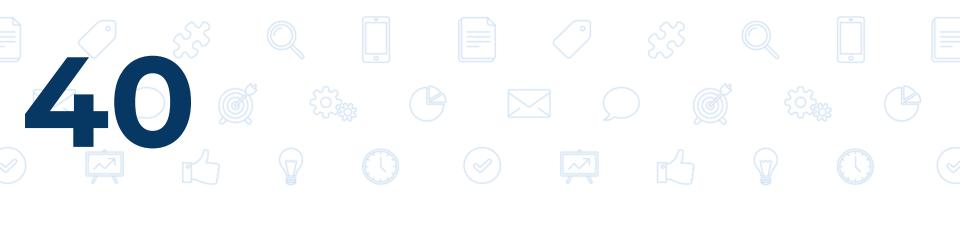


Cost Saving



THANKS!

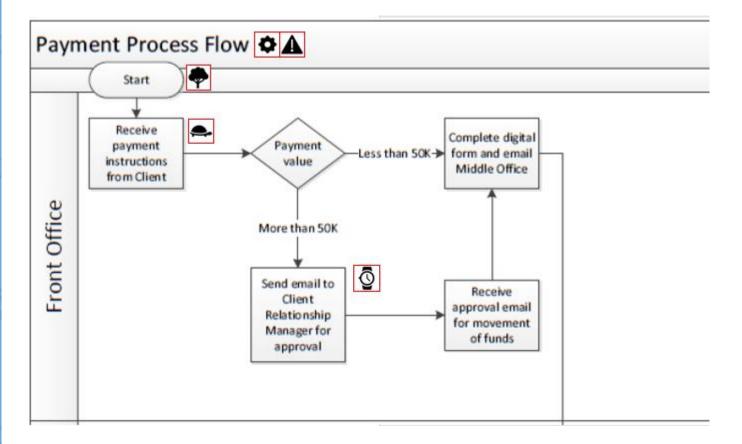
Any questions?



Appendices

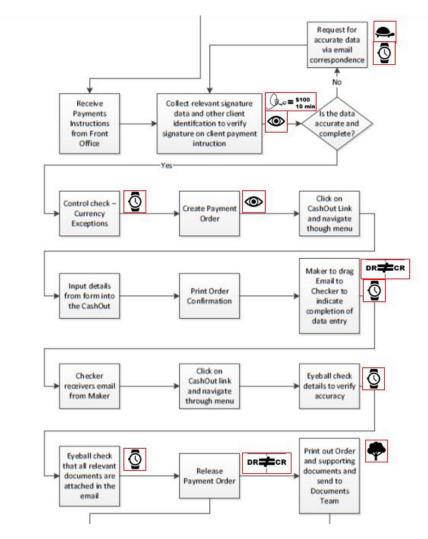


Problematic Activities in Workflow

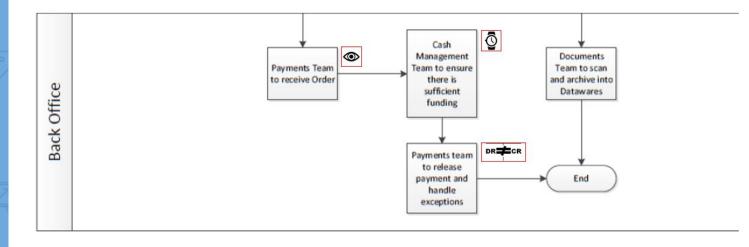


Problematic Activities in Workflow

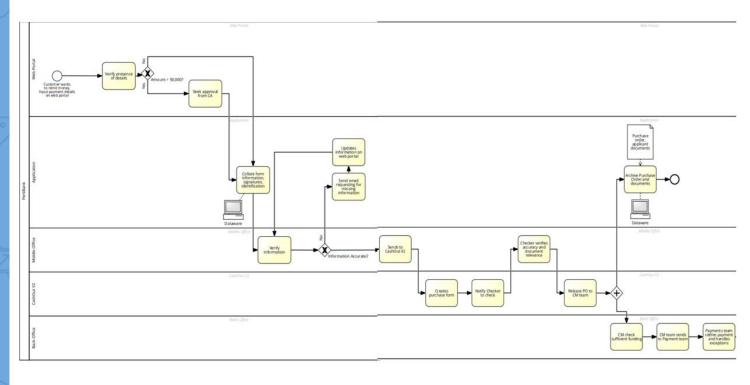
Middle Office



Problematic Activities in Workflow



TO DO



Managing Complexity

Transition Management Workshops

Change	Change Owner	<u>Details</u>
Educate Front, Middle and Back office in using the new digital	Front: Monica Young (Advisors, Relationship	Three 1 Day workshops, 1 week apart, will be held to teach staff.
tools	Managers) Middle: Joey Lee Back: Chandler Wavro (payments,	Hands-on support will be given from change makers and change owners to guide team on familiarizing with new functions.
	Cash management, Documents)	Peer assist system will be set up to make department accountable for helping each other. Performance KPI will be tied to this.

All workshops will include going through the end user & video guide. It will also include scenarios for hands-on practice.

Managing Complexity

Transition Management Workshops

Change	Change Owner	<u>Details</u>
Educate SMEs on naming conventions to be used in Dataware	John Hoh (Documents)	Owner to work with change management to standardize naming conventions of files in Dataware. Three 1 day workshops, a week apart, will be conducted to teach staff of new naming convention.
		Documents team will be split into 4, with each change maker supervising 1 team. Daily review will be conducted to ensure accuracy of renaming. Additional workshops will be enforced every 2 days (where necessary) to further align team's understanding.

Managing Complexity

Transition Management Workshops

Change	Change Owner	<u>Details</u>
Currency exceptions handling on web form to be updated by Perkpay	Ross Chan (PerkPay)	Three 1 day workshops, a week apart, will be conducted to teach staff to add new / update exceptions into system. Documents team will be split into 4, with each change maker supervising 1 team. Daily review will be conducted to ensure accuracy of renaming. Peer assist system will be implemented.

Managing Complexity

Transition Management Workshops

<u>Change</u>	Change Owner	<u>Details</u>
Educate Information Security team on documenting	Rachel Clarke (Detection) Chandler Wavro	Three 1 day workshops, a week apart, will be conducted to teach workflow to teams.
fraudulent transactions (phishing etc)	(Payments, Cash Management)	Change makers will create intentional fraudulent transactions to monitor team performance on monthly basis for 1 year, bi-annually after.

Manpower Cost Calculation

		Option 1: Perk Bank Internal Solution	Option 2: Excellence Contracting Agency Solution	Option 3: Prestigious Systems and Services Leasing
Change Maker	Working Days	25	25	-
Team	Employees Needed	4	4	_
Programmers	Min Days to Complete Per Employee	87	75.3	87
	Actual Days Taken (Working Days)	87	7 5	80
	Employees Needed	23	17	5
	Actual Days Taken Collectively (Non- Working Days)	-	5	-
	One Time Additional Cost	\$10,000	\$10,000	-

Manpower Cost

\$670,300

\$168,000

\$1,115,625

Profit & Loss Statement

Option 2 : Excellence contracting agency solution						
Profit and Loss Statement						
(USD)						
	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5
Revenue						
Cost Savings (Solution)	-	\$1,020,000	\$1,020,000	\$1,020,000	\$1,020,000	\$1,020,000
Cost Savings (Business Process)*	-	\$18,000	\$18,000	\$18,000	\$18,000	\$18,000
Total Revenue	-	\$1,038,000	\$1,038,000	\$1,038,000	\$1,038,000	\$1,038,000
Expenses						
Manpower Cost	\$1,115,625	-	-	-	-	-
Capital Expenditure (with Depreciation)	\$10,000	\$52,500	\$52,500	\$52,500	\$52,500	-
Operational Cost	\$59,109	\$307,864	\$307,864	\$307,864	\$307,864	\$307,864
Manpower Cost	-	\$288,000	\$288,000	\$288,000	\$288,000	\$288,000
Software Subscription Cost	\$59,109	\$19,864	\$19,864	\$19,864	\$19,864	\$19,864
Symantec Protection Suite Enterprise Edition	_	\$19,850	\$19,850	\$19,850	\$19,850	\$19,850
Twilio Programmable SMS Service	-	\$14	\$14	\$14	\$14	\$14
Oracle Database Enterprise Edition	\$59,109					
Total Expenses	\$1,184,734	\$360,364	\$360,364	\$360,364	\$360,364	\$307,864
Net Income	-\$1,184,734	\$677,636	\$677,636	\$677,636	\$677,636	\$730,136
Return On Investment (ROI)	190.42%					

Report:

Payments team settles payment and

handles exceptions

Sums

Cost Saving Calculation

кероп:	Cost Calculation (Pro	cess)		
Date:	29.06.2019	•		
Time:	10:21:14			
Name:	Perk Bank Remittance	Process		
Frequency (per year):	1800			
			Without Cost Center	Total
Task	Input factor	Costs per execution	Costs	Costs
Verify presence of details	1.00	\$ 0.00	\$ 0.00	\$ 0.00
Seek approval from CA	0.50	\$ 0.00	\$ 0.00	\$ 0.00
Collate form information, signatures, identification	1.00	\$ 0.00	\$ 0.00	\$ 0.00
Verify information	2.00	\$ 1.67	\$ 5,999.99	\$ 5,999.99
Send email requesting for missing information	1.00	\$ 0.00	\$ 0.00	\$ 0.00
Updates information on web portal	1.00	\$ 0.00	\$ 0.00	\$ 0.00
Sends to remIT	1.00	\$ 0.33	\$ 600.00	\$ 600.00
Creates purchase form	1.00	\$ 0.00	\$ 0.00	\$ 0.00
Notify Checker to check	1.00	\$ 0.00	\$ 0.00	\$ 0.00
Checker verifies accuracy and document relevance	1.00	\$ 1.67	\$ 2,999.99	\$ 2,999.99
Release PO to CM team	1.00	\$ 0.00	\$ 0.00	\$ 0.00
Archive Purchase Order and documents	1.00	\$ 0.00	\$ 0.00	\$ 0.00
CM check sufficient funding	1.00	\$ 1.00	\$ 1,799.99	\$ 1,799.99
CM team sends to Payment team	1.00	\$ 0.33	\$ 600.00	\$ 600.00

1.00

\$ 3.33

\$ 10.00

\$5,999.98

\$ 17,999.94

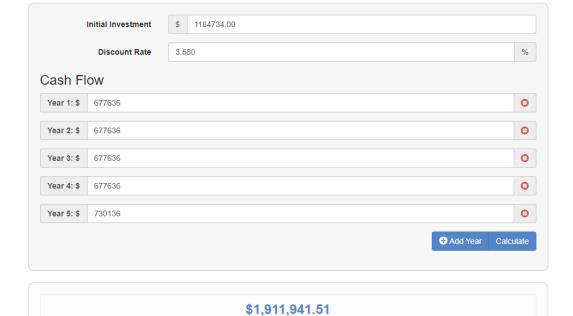
\$5,999.98

\$ 17,999.94

Cost Calculation (Process)



Net Present Value & Payback Period



Net Present Value

Discounted Payback Period: 1.840 years
Cash Flow Return Rate: 49.94% per year

	Cash Flow	Net Cash Flow	Discounted Cash Flow	Net Discounted Cash Flow
Year 0	\$-1,184,734.00	\$-1,184,734.00	\$-1,184,734.00	\$-1,184,734.00
Year 1	\$677,636.00	\$-507,098.00	\$654,215.10	\$-530,518.90
Year 2	\$677,636.00	\$170,538.00	\$631,603.69	\$101,084.79
Year 3	\$677,636.00	\$848,174.00	\$609,773.79	\$710,858.57
Year 4	\$677,636.00	\$1,525,810.00	\$588,698.38	\$1,299,556.96
Year 5	\$730,136.00	\$2,255,946.00	\$612,384.56	\$1,911,941.51