



APPLICATIONFRAMEWORKS

corporate profile

Company overview

Application Frameworks (AFW) has been delivering enterprise level software development services for more than 5 years.

AFW consults on, designs and develops high volume, online and/or offline financial and operational transaction systems.

AFW has extensive expertise in business analysis, standards development, telecoms technology, point of sale, mobile device and smart card software development.

Based in Cape Town we currently have 15 specialist employees, the majority of whom are from an IT/engineering background.

Participation in projects is on a risk sharing, partnership basis or on a time & materials basis, as befits a particular opportunity.

Associations and partnerships

- § Microsoft Certified Partners
- § Oracle Technical Partners
- § Members of the Smart Card Society of Southern Africa
- § Members of the MTN Cellular Network Partner Forum
- § Actaris Metering Systems (Pty) Ltd – South Africa (strategic partner, prepayment electricity)
- § Sandulela Telecoms (Pty) Ltd – South Africa (strategic partner, payment systems)
- § InterMarc Consulting Limited – Nigeria (agent, payment systems)
- § Firm.Com – Uganda (agent, payment systems)
- § Professional Digital Systems Limited – Kenya (agent, payment systems)
- § Zakheni Designs (Pty) Ltd – South Africa (document storage management)

Programming, databases and telecomm technologies

C#, C++, .NET, Delphi, Java Smart Card, SOAP, XML, MS SQL, Oracle, GPRS, X.25, TCP/IP, MS Mobile Solutions & HP and Dell Pocket PC, Point of Sale (Magic Series), Web Development, ASP, Auto Test Equipment, RFID, Cryptology

Industry

<i>Utilities:</i>	prepayment electricity, engineering/meter management, asset tracking
<i>Financial:</i>	revenue collection, complex tariff engines, p2p money transfer, systems integration
<i>Driving License, Vehicle Registration and e-Passport:</i>	consultative approach bringing expertise in smart card technology, business analysis and the development of standards and RFPs
<i>Postal:</i>	modern digital postage
<i>GSM:</i>	high record volume billing and administration systems, mobile voucher distribution
<i>Document Storage Management:</i>	record, track, locate and retrieve physical files in complex storage facilities

AFW success story

In 2000 Actaris Metering Systems SA (Pty) Ltd (Actaris) approached Application Frameworks (AFW) as technology partner in fulfilling their vision of becoming the market leader in South Africa and of growing the African market and increasing their market share. AFW's objective was to develop the information systems that facilitate all business processes associated to the operation of highly sophisticated and advanced prepayment electricity systems that are used by most South African municipalities and numerous utility companies across Africa, including

- South Africa – Eskom (parastatal utility)
- Mozambique - Electricidade de Mocambique (EDM) (state utility)
- Angola - Empresa Nacional de Electricidade (ENE) (state utility)
- Tanzania – Tanzania Electric Supply Company (TANESCO) (state utility)
- Namibia – NamPower Corporation (state utility)
- Burkina Faso - Societe Nationale de l'Electricite et du Gaz (SONELGAZ) (parastatal utility)

Actaris is the lead organization in the partnership and manufactures the physical prepayment meters. Typically the field installations of the meters are outsourced to subcontractors managed by Actaris while AFW manages and performs the ICT systems development and 3rd line operational support components of projects. The systems developed and maintained by AFW

include high volume transaction systems, management reporting systems, asset management and business process facilitation systems. Most of the field implementations are offline systems operational in remote and rural areas.

The partnership between AFW and Actaris has been a mutually beneficial one. It has been ongoing for more than 5 years and during this time we have completed numerous projects in Africa, creating a successful, sustainable and profitable partnership with revenue growth in excess of 500% (five hundred percent) over the period.

Reference

Pieter Coetzee (Managing Director),
Actaris Metering Systems SA (Pty) Ltd,
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Tel + 27 21 914 3640
Fax + 27 21 914 3630

Email pieter.coetzee@cape-town.actaris.com

	Employment Status	Role	Qualification
Azola Ngande	Permanent	Software Developer	3 Year National Diploma in Information Technology, Cape Peninsula University of Technology
Brent Bruce	Permanent	Software Developer	3 Year National Certificate, N6 in Telecommunications, Cape Peninsula University of Technology and Telkom SA.
Brent Jacobz	Permanent	Software Developer	3 Year National Diploma in Information Technology, Cape Peninsula University of Technology
Goerseet Waja	Permanent	Software Developer	National Higher Diploma in Computer Studies from the AST Group Limited
Izienne Loriston	Contract	Software Developer	3 Year National Diploma in Information Technology, Cape Peninsula University of Technology
Jackie Wyman-Seale	Permanent	Financial Administrator	3 Year National Diploma in Human Resource Management, Cape Peninsula University of Technology
Michael Ackermann	Permanent	Project Manager	3 Year National Diploma in Information Technology, Cape Peninsula University of Technology
Mike Fellows	Permanent	Business Analyst	3 Year BCom: Information Systems, University of South Africa (UNISA)
Philip Kruger	Permanent	Business Development Manager	3 Year National Diploma in Information Technology, Cape Peninsula University of Technology, B-Tech Information Technology, Cape Peninsula University of Technology, MBA, University of Cape Town
Richard Stone	Permanent	Systems Analyst & Designer	BSc Electronic Engineering, University of Natal
Rief'at Dollie	Permanent	Software Developer	Currently busy with National Diploma in Electronic Engineering, Cape Peninsula University of Technology.
Tauric Saadien-Raad	Permanent	Operations & Project Management	
Vincent van der Vlis	Permanent	Software Developer & DBA	BSc Electronic Engineering, University of Natal

Table 1: Introduction to resources, roles and qualifications

	Years on board
Richard Stone	5
Vincent van der Vlis	5
Philip Kruger	5
Tauric Saadien-Raad	4

Table 2: Board members

	C#	Delphi	C	C++	XML	HTML	Java	DCOM	COM
Azola Ngande	✓		✓	✓	✓	✓	✓		
Brent Bruce	✓	✓	✓	✓	✓	✓	✓	✓	✓
Brent Jacobz	✓	✓	✓	✓	✓	✓	✓		
Goerseet Waja	✓	✓							
Izienne Loriston	✓			✓					
Michael Ackermann	✓	✓		✓	✓	✓	✓		
Mike Fellows	✓	✓			✓	✓			
Philip Kruger	✓	✓	✓	✓	✓	✓	✓		
Richard Stone		✓	✓	✓	✓				
Rief'at Dollie	✓	✓							
Vincent van der Vlis	✓	✓	✓	✓	✓	✓			

Table 3: Software Development Languages

	Oracle	MS SQL Server	Sybase	Interbase	Ingres	Postgre SQL
Azola Ngande		✓				
Brent Bruce	✓	✓	✓		✓	
Brent Jacobz	✓	✓				
Goerseet Waja	✓	✓		✓		✓
Izienne Loriston	✓	✓				
Michael Ackermann	✓	✓		✓		
Mike Fellows	✓	✓				
Philip Kruger	✓	✓	✓	✓		
Richard Stone	✓		✓			
Rief'at Dollie	✓	✓		✓		
Vincent van der Vlis	✓	✓	✓			

Table 4: Databases

	.NET	Windows 98, 2000, XP	Windows NT	Axalto Magic POS Series (SL 6000)	Windows CE	Java Smart Card	Unix	VMS	Linux
Azola Ngande	✓	✓			✓				
Brent Bruce	✓	✓	✓	✓			✓	✓	✓
Brent Jacobz	✓	✓	✓	✓	✓	✓			
Goerseet Waja	✓	✓	✓				✓		✓
Izienne Loriston	✓	✓	✓						
Michael Ackermann	✓	✓							
Mike Fellows	✓	✓	✓						
Philip Kruger	✓	✓	✓	✓		✓			
Richard Stone	✓	✓	✓						
Rief'at Dollie	✓	✓							
Tauric Saadien-Raad	✓	✓	✓		✓			✓	
Vincent van der Vlis	✓	✓	✓						

Table 5: Platforms

	Microsoft Visual Studio 2005 .Net	Microsoft Source Safe	Quest SQL Navigator	Microsoft Project	Microsoft Share Point	Microsoft Office	Rational Rose	Select	PVCS	Google
Azola Ngande	✓	✓				✓				✓
Brent Bruce	✓	✓	✓			✓			✓	✓
Brent Jacobz	✓	✓	✓		✓	✓			✓	✓
Goerseet Waja	✓	✓	✓	✓		✓				✓
Izienne Loriston	✓	✓	✓	✓	✓	✓			✓	✓
Michael Ackermann	✓	✓	✓	✓	✓	✓			✓	✓
Mike Fellows	✓	✓	✓	✓	✓	✓			✓	✓
Philip Kruger	✓	✓	✓	✓	✓	✓			✓	✓
Richard Stone	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rief'at Dollie	✓	✓	✓			✓				✓
Tauric Saadien-Raad			✓	✓	✓	✓			✓	✓
Vincent van der Vlis	✓	✓	✓		✓	✓		✓	✓	✓

Table 6: Tools

	OO	SOA	UML	Project Management
Azola Ngande	✓			
Brent Bruce	✓	✓	✓	
Brent Jacobz	✓	✓	✓	
Goerseet Waja	✓			✓
Izienne Loriston	✓		✓	
Michael Ackermann	✓	✓	✓	✓
Mike Fellows	✓	✓	✓	
Philip Kruger	✓	✓		
Richard Stone	✓	✓	✓	✓
Rief'at Dollie	✓			
Tauric Saadien-Raad	✓	✓	✓	✓
Vincent van der Vlis	✓	✓	✓	

Table 7: Concepts

	TCP/IP	SOAP	X.25	CORBA	HTTP	SSL
Azola Ngande						
Brent Bruce	✓	✓	✓	✓	✓	✓
Brent Jacobz		✓			✓	✓
Goerseet Waja	✓		✓			
Izienne Loriston						
Michael Ackermann	✓					
Mike Fellows		✓				
Philip Kruger	✓			✓		
Richard Stone						
Rief'at Dollie		✓				
Vincent van der Vlis	✓		✓			

Table 8: Protocols

Contact information

APPLICATION FRAMEWORKS (AFW)

Cape Town – South Africa

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