

**Pascal RODMACQ**

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**Independent Consulting**

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**Senior Consultant - System & Network Architect  
Technical Project Manager - IS organiser**

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**♦ What I'm typically doing ...**

Organisation of Information System infrastructure management : defining information structure, pertinent events, procedures, documentation ...

Project manager for large infrastructure migration and roll up.

High-level consulting & 3<sup>rd</sup> level technical support from wiring to Network Operating System.

Network & System design : campus LAN, routing, MPLS, network services, security.

**♦ Technical environment ...**

LAN : WIFI, Ethernet, 802.1x, L2 L3 L4 switching, VLAN, Spanning tree, campus design

WAN : X25, FR, RNIS, ATM, MPLS, VPN

Protocols : IPX, IP, ICA, SNA, RIP, EIGRP, OSPF, BGP, DHCP, DNS, WINS, SLP, NTP, WCCP ...

NOS : Netware, Unix, OS400, Windows, TSE, Citrix, VMware

Enterprise directory : Novell NDS eDirectory, Microsoft AD, LDAP, XML

Messaging : GroupWise, Exchange, Domino

Languages : Pascal, C, Eiffel, Winbatch

**♦ Why am I successful ...**

Able to think by myself, and permitting myself to use this capability unlimitedly.

Outstanding technological culture spanning a large spectrum of IT field : from hardware to technology management, through network technologies, operating systems, middleware, messaging, internet access and security, DBMS, OO modelling, RAD.

Outstanding learning & analytic capabilities in both technical and business fields : able to learn and adapt quickly to any new technical and/or organisational and/or cultural environment.

Strong inter-personal qualities : easy clear communication, solid sympathetic team player, good redaction skills, resilient and pragmatic, able to face efficiently any situations.

**♦ University degrees - Certifications**

Licence in Sociology and Linguistic (University of NANCY II 1980)

Master in Sociology (University of NANCY II 1981)

Master in Computer Sciences - (MIAGE - Lorraine National Polytechnic Institute, NANCY 1984)

CNE NOVELL (1992)

MCP Microsoft (1997)

CCNA CISCO (1999)

French : native

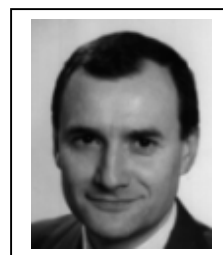
English : fluent

Italian : read/understood

Born February 27<sup>th</sup> 1958

Married – 3 children

Private Pilot



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## Missions review – 2006

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### ♦ COGNIS

#### Context

Hundred sites worldwide network, renewing LAN WAN architecture and concentrating storage and treatment to a global data centre.

Assisting COGNIS IT management as a consultant for global project organisation, punctual technical issues in WAN LAN, providers relationships.

#### What I have done

- Providing insights for global security matters (approach, organisation) and technical matters (802.1x, authentication methods)
- Providing insights for internet traffic management (filtering, caching, proxying)
- Defining organizational process for communication between business, WAN management and provider.
- Reviewing and documenting Data Centre design.
- Designing WAN backup architecture for critical sites in accordance with local loop and WAN providers.
- Defining VLANs distribution on LAN according to size and vocation as well as convenient graphical documentation methods.
- Defining audit cabling tasks, contractors selection and follow up.
- Building a mathematical model for remote access users consumption in order to choose the best billing strategy with the provider.

### ♦ CESI

Creation of 2 courses for this French National Engineers school :

- Information System Infrastructure Deployment and supervision.
- Information System Infrastructure Administration and maintenance.

The drafts for these courses are available on my web site (though only in French).

It was a very exciting experience which permit me to formalise an essential part of my knowledge, experience and observations in the field of Information System technical and organisational management.

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**Missions review – 2001 / 2005**

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**♦ ALTUGLAS / ALTUMAX / SUNCLEAR (Arkema Group)**Context

Multi hundred sites European network, renewing his network and system architecture. From Frame Relay to MPLS, from NT/2000 isolated domains to Windows 2000 unified Active Directory group infrastructure, from multiple independent messaging systems (Exchange or Domino) to unified Group Domino 5 one.

Direct responsibility of site design (in the frame of group policy) and migration rollout for some forty sites through 3 subsidiaries scattered over France, England, Germany, Netherlands, Denmark, Italy and Spain.

What I have done

- Designing new architecture and migration strategy, IP address plan, DHCP, WINS, DNS. Managing migration of user accounts, mail accounts, workstations, user and corporate data, permissions, internet access.
- Design and management of Domino 4.6 migration project company messaging architecture to group 5.0 Domino architecture (new Organisation in Domino jargon).
- Technical Project Manager for migrating TOP WAN network (Frame Relay based) to CONTACT MPLS network. MPLS CoS (Class of services) design, site design, documentation. Technical support for deployment. Service quality and incidents analysis and follow up with telco provider.
- LAN design and installation management for 2 plants. Campus LAN design, hardware selection, suppliers delays budget management, supervising cabling operations, LAN equipment installation and tuning (VLAN, Spanning Tree, Routing)
- System and Network Services design. Technical Project Manager and high level support for migration from old NT architecture to new Active Directory Group architecture. Responsible for service continuity, data integrity, users rights and permissions, switching DHCP, DNS, internet access network services.
- iSeries (IBM midrange computer) basic system design in terms of partitioning, network configuration (attachments, routing, fault tolerance), telnet 5250, IP printing. Support for migration from 7 AS400 / SNA (v3) midrange departmental computers to 1 centralized iSeries IP (v5). Path migration design for client and printings switching.
- Enforcing IT Security Policy of ARKEMA Group for ALTUGLAS and SUNCLEAR subsidiaries : presentation and training, rollout, actions follow up, reporting, arbitration, security design for external business partners (VPN, qualifying permit traffics for firewall tuning)

See what co-workers said of my work : <https://www.linkedin.com/in/itconsultant>

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**Missions review – 2000 / 2001**

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**♦ ATOGLAS (Atofina group)**Context

European wide network spanning 6 countries with X25 and Frame Relay type leased lines, CISCO routers, TCP and SNA (7 IBM departmental AS400).

The company is renewing its legacy NT architecture based upon geographical domains and Windows 3.11 workstations, to a new "Euronet" NT architecture based on a more scalable users/resources domain design, rollout of TSE servers with Citrix Metaframe and ICA clients, Landesk workstation management tools, and SNA Server 4.0 gateways implementation for AS400 access.

Concurrently, the entire Group is willing to migrate the entire WAN (including all subsidiaries) to a unified outsourced Frame Relay based network, called TOP WAN, enforcing an unified IP address plan for all the subsidiaries.

What I've done

- Design of "Euronet" architecture, based on NT4 domains (users / resources model), TSE and Metaframe, light clients, SNA gateways.
- Technical Consultant to organise and support sites migration to new "Euronet" architecture, procedures setup and supervising COMPAQ servers installation, WINS, DHCP, designing and tuning, SNA Gateways setup, SNA Printing re-design, creating architecture exhaustive documentation from scratch.
- TOP WAN Project Manager for Atoglas and its subsidiaries, IP address plan migration, defining and enforcing migration strategy in order to ensure service continuity and uninterrupted full network connectivity during the migration (BGP links establishment between routing areas).
- Design and implementation of network time synchronisation through NTP rollout and tuning.
- Design and implementation of XoT (X25 over TCP) for SNA support on new TCP only network.

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**Missions review – 1999**

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**♦ UNIVERSAL MUSIC GROUP**Context

World wide project "DtR" (Desktop Renaissance) aims to standardize some 30000 workstations to Windows 98 with NetWare client, to migrate from IPX to TCP, from NetWare 3 / 4 to NetWare 5.1, to implement ZenWorks (software distribution and workstation management tool), and NDPS (Novell Distributed Printing Services)

As "Site Designer", I've been in charge of :

- designing : NDS subtree, basic networks services (DHCP, DNS, SLP,...), printing services and migration methodology.
- managing and supporting the deployment of UMG Parisian sites representing some 2500 workstations.

What I've done

- General infrastructure design and implementation on a per site basis, network scheme, defining migration path (intermediate states and transitions) and deployment methodology.
- Scripting for automatisisation of users accounts, data and print services migration, ensuring operations continuity.
- Management / training / organisation / support of the deployment teams based upon previously created documents.
- Hands on realisation for critical migration phases (data, printing services, backup, GroupWise, network switching : adapt routers configuration)

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**Missions review – 1999**

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**◆ Unemployment Insurance Administration**Context

“LANRAC 3” is a national-wide project from the French Unemployment Insurance Administration, which aims to standardise about 17000 desktop computers, from Windows 3.11/NetWare or Microsoft Client/IPX to NetWare 5/Windows NT 4 WorkStation/TCP.

This project implied to Roll out 700 new NetWare 5 servers and about 9000 news workstations and to eliminate IPX traffic from the wire.

Before effective roll out, I was asked as a consultant, to validate, consolidate and improve the fundamentals of the architecture.

What I've done

- Review of general TCP design : proposals for improvement of IP addressing plan, use of HSRP.
- Review of general NetWare 5 architecture in matter of networking : how to use and tune compatible mode, how to use SLP (Servers and Workstations tuning). Validation tests and written procedures.
- Defining strategies for time synchronisation with NT and Unix, around a mix of TIMESYNC / NTP.
- Defining DHCP and DNS architecture. Validation tests and written procedures.
- Review of NDS design, proposals for improved partitioning, implementation of dedicated replicated ZEN containers (applications packages)
- Defining the backup architecture and installation procedures (around Backup Exec 7.2 and 8.0)
- Setting up a model environment which will act as a reference for future installed sites and will be used to train the deployment teams.
- Deployment procedures redaction.
- High level support for the pilot sites.

See what a co-worker said of my work : <https://www.linkedin.com/in/itconsultant>

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**Missions review – 1997 / 1998**

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**♦ British Petroleum**Context

BP COE (Common Operating Environment) world-wide project, aimed to standardize about 33000 desktop computers. For Lavera Refinery, the challenges stood as :

- Roll out of 450 desktop computers from Windows 3.11/NetWare Client/IPX to Windows 95/TCP.
- Accounts, data and print services migration from NetWare 3.12, to NT 4 using FPNW as intermediate system (File and print Services for Netware)
- MSmail to Exchange migration, SMS and Citrix Winframe installation/start-up.
- Things had to be implemented in a non disruptive way.

What I've done

- NT servers installed from scratch, ensuring the compliance with the corporate policy and standards.
- Establishment of a non disruptive migration strategy from NetWare to NT, then implementing it.
- Implementation and tuning of FPNW, DHCP, DNS, WINS, printing services for Microsoft clients, NetWare clients and Unix systems simultaneously.
- Installation and start-up of Exchange and SMS.
- Data migration and reorganisation, high level support for MSmail to Exchange migration issues.
- Complete management (from an organisational and technical point of view) of Citrix Winframe sub-project.
- Generally speaking, I ensured network expertise in Novell, NT, FPNW, Printing services, Citrix Winframe, Unix/NT integration, solving all complex networking issues (from wiring to operating system).

See what Project Manager said of my work : <https://www.linkedin.com/in/itconsultant>

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### The history

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#### ♦ Programmer/project manager (Z80 assembler, Basic, Pascal) : 1983 1985

##### Regional Institute for Labour (NANCY, France) 1983-1984

Complete design and development of Judicial database and related interfaces : data structure, word processing, indexing system and query language, on interconnected Z80 platforms (on Parallel interface and protocol of my own conception). Though this application had since been ported to GUPTA on Netware and SQL Windows programming, the data structure still remains as I had initially designed it. (1996 writing)

##### Symbolic System Ltd (NANCY, France) 1984-1985

Development (Pascal) of data management part of "Symbolic Basic" language (a structured enhanced Basic developed by the Symbolic System company). I produced the data dictionary and indexing system (BTree based), and co-developed the screen manager. (Though visionary, this company went bankrupt)

#### ♦ Enterprise manager : 1985-1996

Founder and Manager of **Mediasoft Communication** Ltd running from 1985 to 1996.

**Mediasoft communication** made a major breakthrough in the French market by introducing, in 1985 the first electronic market place for terrestrial freight carriers, as a service available by vt100 and then typically French terminal known as "MINITEL". We then specialised in telecommunication applications for the broader freight carrier networks (DANZAS, CALBERSON, MORY TNTE, HEPPNER ..). Applications ran on our own UNIX computers and were sold as services via TRANSPAC and TELETEL networks. We provided 24 hours day service. (We never had a failure of more than a few minutes over 6 years operating period)

Our work included writing new procedures, training employees in each agency, demonstrating how to use the information for saving time, improving efficiency and responsiveness, demonstrating how to deliver information to the other agencies ... Our products were successful because they really empowered back office employees and served them in their everyday work. By the way, after analysing the physical path of freight, I put on the paper, concept and technological principles of what is today called RFID. At the time (1989) the project cut short, lacking partner on the development side.

Despite the fact that we had planned new architectures for them, (based on LAN messaging interconnection, ancestor of present MOM architecture (Message Oriented Middleware), the in-house computer divisions were frightened by the idea of abandoning their legacy technologies, and overtime, they copy our applications internally (and by the way froze them) and our market disappeared.

I then oriented the company towards LAN integration activity (1990) and we achieved the status of Novell Expert Centre in 1992. The Market was low and hard at that time for new technologies.

In 1995, in an attempt to increase the global incoming of **Mediasoft**, I acquired a winding up software company and employed 6 more working people. Difficulties of every kind arose, a year later I went bankrupt.

#### ♦ Independent IT Consultant 1996-today

I then began as an independent consultant around September 1996... and I now feel as if I have found my right place in this world : confident, successful; all feelings I'm transmitting during my missions to the people I am working with.

Thank you for your interest.