

CURRICULUM VITAE

Name: Oscar Goos

Personal Information

First name	Oscar
Surname	Goos
Date of birth	11-12-62
Nationality	Dutch
Current location	Queretaro, México
Marital status	Married
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Web	www.holaztec.com
Time Zone GMT	-6 hrs
Availability	Available
Contract type	Freelance
	B2B
Rate	85+ Euros ex Tax
Rate Negotiation	Possible
Willing to move and travel	Yes



Education

- Senior Technical College (HTS), Groningen, Netherlands, Information Systems and Power Electronics (IE&E) B.Eng Diploma awarded in 1988.
- Post Tertiary Educational Institute for Telecommunication (PHTO), Hilversum, Netherlands, Information Technology (Information Technology) Diploma awarded in 1990

Certifications

- ITIL management
- Global Project Management Module I,II,III
- C-programming and Unix
- Training Presentation techniques

Languages

Language	Speaking	Writing	Reading
English	Good	Good	Good
German	Moderate	Moderate	Good
Spanish	Reasonable	Reasonable	Reasonable
Dutch	Native language	Native language	Native language

Personal Competences

- **Systems & Solution Architecture:** Strong focus on end-to-end technical architecture, system stability, and scalable design.
- **Long-Term Strategic Focus:** Committed to sustainable, high-quality engineering outcomes rather than temporary fixes or quick wins.
- **Resourceful Engineering:** Skilled at maximizing system performance, reliability, and output under strict budget or hardware constraints.
- **Active Stakeholder Management:** Excellent listener skilled at translating client requirements into clear technical specifications and team alignment.
- **Goal-Oriented Execution:** Focused on identifying optimal execution paths, mitigating risk, and aligning team efforts to project goals.
- **Project Planning & Scheduling:** Proven track record in detailed time management, critical-path planning, and milestone delivery.

Hobbies and Interests

- Good Conversations and having a good laugh
- Movies
- Reading
- Technology and science.
- Social events, parties, joining friends
- Wondering about.....
- Lot's of other good things in life.
- Space rocket developments.

Motivation text

As an independent business owner and hands-on systems engineer, I partner with companies that need specialized expertise to deliver complex renewable energy, BESS, and power storage projects on time—without the overhead of long-term headcount.

Over years of designing, building, and commissioning custom energy and power systems, I've developed a dual focus: driving technical execution while stepping in to optimize internal team workflows and keep projects moving.

How I support your client teams:

- **Immediate B2B Integration:** Smooth, compliant B2B vendor contracting directly through my registered engineering entity.
- **End-to-End Project Execution:** From system architecture and integration to commissioning and site troubleshooting.
- **Team Amplification:** Stepping in during high-demand phases to structure communication, resolve technical bottlenecks, and elevate performance.

If you have an active project or client needing senior engineering leadership or temporary technical reinforcement, let's schedule a brief call to see how I can add immediate value.

Skill list: Solar/ BESS expertise

Name	Years	Expert	Experienced	Beginner
Solar/BESS Technologies				
Capacity planning	4		X	
Efficiencies calculations	4	X		
Design Engineering (NEC/NOM)	4		X	
Solar/BESS projects	4			
Installation	4	X		
Planning	4	X		
Drawings 1/2/3 Phase	20		X	
CFE registration process			X	
Solar/BESS				
OA&M	4	X		
Problem analysis	4	X		
Data analysis	4	X		

Skill list: Telecommunications Expertise

Name	Years	Expert	Experienced	Beginner
Language and systems				
Linux	5			X
Windows	20		X	
Embedded Controllers	5	X		
C++	5		X	
C	9	X		
HTML5	10		X	
Java Script	5		X	
CSS	10		X	
JSON	2		X	
CAD Tools				
AutoCAD	7		X	
Multisim, Schematic design	5	X		
Ultiboard, PCB design	5	X		
(LT)spice, circuit simulation	3		X	
ModelSIM, FPGA	1			X
Telecom. Systems and protocols				
PDH, SDH, ATM transm.	15	X		
Ethernet over SDH/DWDM	15		X	
Fibre optics, DWDM,	5	X		
V24 interface	28	X		
VOIP Telephony	5		X	
PSTN telephony	15		X	
HDSL, ADSL	2			X
Acceptance testing FAT SAT NAT	10	X		
Internet access systems	10		X	
EMS / NMS management	15		X	
Lawful intercept	1		X	
Internet related Protocols				

Wi-Fi	10		X	
TCP, UDP, IP	5		X	
VLAN, VPN	5		X	
FTP	10		X	
SMTP	10		X	
NTP	5		X	
IOT	5		X	
SIP	2			X
Technical skills				
End to End system design	5	X		
Mathematics	40	X		
Modelling sensors	5		X	
Battery storage technology	5		X	
Solar technology	10	X		
SMPS technology	5		X	
Reliability analysis	1			X
RS232 / RS485 / I2C / SPI	5	X		
Composite Video	2			X
MPEG1 Video compression	2		X	
X86 Computer HW	2		X	
Bit and proposal management				
RFP	1		X	
RFQ	1		X	
Definition of Specifications	1		X	
Test plans	10	X		
Training and Support				
Development of training manuals	2	X		
Training Execution	2	X		
MS projects	10		X	

(Expertise not Dunning & Kruger Criteria)

(continue with : Professional Experience / Projects)

Professional Experience / Projects

Solar BESS engineer and Business owner		
Period	jan 2023 - Dec2026	
Project title	N.a	
Organization	Holaztec SA de CV	
Client	Holaztec, ArosEnergy, Canadian School, Eye Clinic Toluca, Mozambique telecom	
Sector	Residential and Small business Solar & BESS backup systems	
Role / Function	Design engineering and Implementation and CFE registration	
Team size	2	
Skills	Electrical design, E-CAD, Capacity modeling,	
Project Scope	Residential, Small business, Clinics, Telecom POP sites.	
Personal :		
Contributions	Development of system efficiency models Implementation of various (20) systems Development of BESS building blocks Feasibility study Solar/BESS Mozambique POP sites	
Achievements	Implementations of ATS switches. Design of DC ATS. Integration of BESS and Genset in to residential and small office Infrastructure. Finished poposal for Mozambique telecom POP sites	
Results	Happy clients.	

HW and Software developer and tester (consultancy / self employed)		
Period	Aug 201- jan 2023	
Project title	N.a	
Organization	Holamex	
Client	Holamex	
Sector	Electronic engineering and Internet	
Role / Function	HW and Software developer and tester	
Team size	1	
Skills	Embedded Controllers, Windows, mathematics, C++ HTML, CSS, JavaScript, JSON, AutoCAD Multisim, LTspice, Ultiboard, TCP/UD,SMTP, FTP, NTP, WiFi, Solar, Battery	
Project Scope	Various: PLC, Solar panel monitor, Backup power wall, Energy meters	
Personal :		
Contributions	Development of PLC and software for dashboards Development of E-backup power wall Development energy meters	
Achievements	Development of hardware and software, development enclosures, system testing.	
Results	Three working product.	

Specialist Test and Migration management (consultancy)		
Period	Sept. 2012 until Sept. 2014,	
Project title	Fiber to All	
Organization	Alliander	
Client	Alliander + NextiraOne (Dimension Data)	
Sector	Energy transport	
Role / Function	Test and Migration Specialist	
Team size	± 21	

Skills	Bit and proposal RFP RFQ, FAT/SAT/NAT acceptance Testing, SDH, DWDM Transmission, Fiber optics. Reliability analysis, EMS management, Ethernet, V24.	
Project Scope	RFP, RFQ, Implementation test and acceptance of SDH fiber optic infrastructure.	
Personal :		
Contributions	European bid and proposal evaluation	
	Review of requirements	
	Defining test plan being part of bid and proposal plan	
	Specifying test specifications for FAT/SAT/NAT	
	Implementation of test procedures, plans and execution and administrations.	
	Network migrations	
	Test and Resource Planning	
	Support and resolving various requirement irregularities	
Achievements	Successful selection of bid and proposal out of 1:4 offers Accepted test plan by bid winner Implementation and execution of three FAT SAT and NAT test plans	
Results	A working network according specifications.	

Support engineer (consultancy)

Period	Jun. 2011 till jun. 2012	
Project title	n.a	
Organization	Banco Santander	
Client	n.a	
Sector	Banking	
Role / Function	Support engineer	
Team size	4	
Skills	Ethernet, Windows, Account management, training	
Project Scope	Network management of a Windows network	
Personal :		
Contributions	Desk top and LAN installation and configuration	
	Training and Courses	
	User administration	
	Helpdesk, 1,2 line maintenance	
	Software Release management	
	Network monitoring error logs	
Achievements	improvement of stability of LAN network Knowledge transfer by training Up to date software on clients and servers Up to date user administration	
Results	Satisfied department of Santander	

Network maintenance Support engineer (consultancy)

Period	Feb 2009 till Apr 2011	
Project title	n.a	
Organization	Holamex	
Client(s)	Actipromex, Sinerpol, Daleduro	

Sector	IT networking	
Role / Function	Network maintenance Support engineer / Projects	
Team size	1	
Skills	Ethernet, Windows, VOIP, PSTN, Account management, training	
Project Scope	Network management of a Windows network	
Personal :		
Contributions	Implementation of Voip Telephony	
	Maintenance of web servers and TCP/IP network	
	Installation of client software	
	Web servers and web based applications (word press)	
	Product development	
	Remote file access over internet	
	Backups	
Achievements	Successful implementations of web servers	
	Network implementation for SOHO	
	Implementation of VoIP telephony Services	
	file access using SFTP protocols	
	Remote management workstations based on VNC/Team viewer,	
Results	Three happy clients	

Project Manager (consultancy)		
Period	Aug. 2007 till Jul 2008	
Project title	n.a	
Organization	UPC Netherlands	
Client	n.a	
Sector	Telecommunications	
Role / Function	Project manager	
Team size	6	
Skills	SDH, DWDM, Fiber optics, MS projects,	
Project Scope	Build and implement and migrate a Nortel network in the existing UPC infrastructure	
Personal :		
Contributions	Implementation and integration of Nortel SDH/DWDM,	
	Resource, time and acceptance planning.	
	Technical evaluation of the project	
	Traffic migration between SDH infrastructures	
Achievements	A new SDH and DWDM backbone network	
	Network hand over to the operational teams of UPC	
	Managed and worked together with thee different organisation of Nortel UPC nether land and UPC international	
Results	A new UPC backbone network infrastructure with higher capacities	

Technical Project Manager Telephony service implementation (consultancy)		
Period	Jan 2007 till July 2007	
Project title	Lawful intercept	
Organization	BBNed	
Client	BBNed, KLPD	

Sector	Telecommunications
Role / Function	Technical Project Manager Telephony service implementation
Team size	1
Skills	PSTN, Lawful intercept, Project management, PSTN,
Project Scope	Implementation of lawful intercept and support on BBned OA&M
Personal :	
Contributions	Implementation and integration of Lawful intercept system between BBned and KLPD
	Capacity planning for Telephony services
	Implementation of work processes for Telephony OA&M
	Cleanup of Billing and Number management databases
	Capacity expansions between BBned Italtel switch and BT ,KPN and BBeyond
Achievements	Connectivity between KLPD and BBned for the purpose of Lawful intercept requests
	Cleaned up CDR database at the Mediation unit for the purpose of billing
	Established weekly telephony quality reporting
	Trunk expansions between BBned Italtel switch and BT, KPN and BBeyond
Results	A working lawful intercept service between KLPD and BBned

VoIP Service management (consultancy)	
Period	Sept. 2005 until till Jan. 2007
Project title	KPN VoIP
Organization	Siemens CIS Dehaag
Client	Siemens, KPN
Sector	Telecommunication
Role / Function	VoIP Service management
Team size	7
Skills	VoIP, PSTN, TCP, SIP, PSTN, Project management, Ethernet, ITIL,
Project Scope	Implementation of VOIP infrastructure
Personal :	
Contributions	ITILL based Incident and problem management
	Acceptance and handover programs for KPN VoIP networks
	Software release management For HiQ, HiE, HiG, IPUnity, TSM and AM
	Interface between Siemens TAC2 and TAC3 service organizations (TAC=Technical - Assistance Centre level 2,3)
	Development and execution of OA&M processes and procedures
	Incident en problem management voor VoIP networking
	Interface between KPN and Siemens for 24x7 Problem management
Achievements	Resolution of identified VoIP problems before 15-Dec-05,
	Network hand over.
	Defined and implemented FM resolution process within the Siemens organization
	Build a TAC2 team to manage the KPN VoIP network.
	Manage and solve VoIP network outages.
	Identified and solved a technical design bug on the Activation Manager
Results	A switch over by the KPN from PSTN to VoIP base telephony services

Technical designer and manger (consultancy)	
Period	jan till mrt 2005
Project title	n.a
Organization	Ministry of SZW DenHaag
Client	Ministry of SZW
Sector	Telecommunications , IT
Role / Function	Technical designer and manger
Team size	3
Skills	VPN, VLAN, PSTN, SNMP, FTP, VoIP,
Project Scope	Design and implementation of a Voice over IP based TAP network.
Personal :	
Contributions	Design and implementation of a Voice over IP based TAP network. Role out of the network. Generating a project plan and schedule based on Prince 2 methodology Tracking progress in relation to a dead line Signaling technical obstacles and developing work around Signaling technical obstacles and developing work around Distribution of software loads over 6 regions.
Achievements	Implemented network with success Developed alternative implementation plan as a work a round Generated and executed a project plan according Prince 2 methodology
Results	A ongoing VoIP project within SZW DenHaag

RFP specialist (consultancy)	
Period	Oct - Dec 2004
Project title	n.a
Organization	Jordan National Broadband network, Amman, Jordan
Client	Jordan telecom
Sector	Telecommunications
Role / Function	Technical evaluation and RFP specialist
Team size	5
Skills	TCP/IP, Ethernet, DWDM, Fiber optics, VPN, VLAN
Project Scope	Evaluation of a Gigabit Ethernet RFP
Personal :	
Contributions	Writing a RFP for network design Evaluation of Cisco national broadband network proposal. Communication between ministry and management teams Evaluation of RFP's response on fiber optic project implementations Assistance on design of DWDM fiber optic infrastructure.
Achievements	Generated guidelines for broadband network design Generated proposal for efficient network design based on Cisco components Selection of the most suitable company for building the fiber optic infrastructure Stayed in line with schedules
Results	Finished RFP allowing Jordan telecom to make her next move.

Migration and Network Certification management (consultancy)	
Period	Feb 2001 - Jul 2001
Project title	Network migration
Organization	UPC Rotterdam,
Client	UPC Rotterdam,
Sector	Telecommunications
Role / Function	Migration and Network Certification management
Team size	2
Skills	SDH, DWDM, EMS, NMS, OA&M
Project Scope	Hitless migration of existing network connections to a new network
Personal :	
Contributions	Managing network implementation
	Developing and executing a Test and Acceptance plan to migrate live traffic from an old transmission network to a new SDH network
	Developing and executing the final Migration plan
	Accepting Network QOS
	Training a group of 24x7 Surveillance Engineers
Achievements	A stable network ready for traffic migration
	Solved various detected system problems between Lucent and UPC
	Traffic migration between two networks without outages
	Identifying poor business practice from the vendor leading to a 5% reimbursement of the invoice
Results	A clean and migrated new network ready for new capacities.

Team Leader, SDH/DWDM Network Operations (consultancy)	
Period	Jun 2000 - Feb 2001
Project title	n.a
Organization	Telecom Italia, Milan Italy
Client	Lucent technologies, Telecom Italia, Milan, Italy
Sector	Telecommunications
Role / Function	Team Leader, SDH/DWDM Network Operations
Team size	5
Skills	SDH. DWDM, EMS, NMS,
Project Scope	OA&M of a pan European SDH network including hand over to Telecom Italia's OA&M teams.
Personal :	
Contributions	Developing daily network management processes and procedures
	Transferring knowledge from Lucent Technologies to Telecom Italia
	Supporting Service delivery to Telecom Italia
	Training Network Engineers in Rome for Backup procedures
	Site testing and acceptance testing of Frankfurt node
Achievements	Handing over a Pan European SDH/DWDM network to Telecom Italia
	Delivering Team performance to expectations
	Staying within time and budget
Results	A pan European network running over multiple cities in multiple countries.

Manager Network Fault Management (consultancy)	
Period	Jun 1999 - Jun 2000
Project title	Telfort-SDH
Organization	Telfort, Amsterdam, Netherlands
Client	Lucent technology, Telfort
Sector	Telecommunications
Role / Function	Manager Network Fault Management
Team size	5
Skills	SDH, DWDM, EMS, NMS, FAT, SAT, NAT, project management
Project Scope	Taking in to service and maintaining a transmission network. Network service delivery
Personal :	
Contributions	Fault management of SDH, ATM, Internet access network and numerous 5ESS switches.
	Building a team of 23 SDH/DWDM network management engineers
	Recruiting staff for SDH/DWDM Network operation centre
	Accepting new build Nodes ready for operations
	Developing NOC operations and procedures specific for performance and fault management, Acceptance of new nodes, Planned work procedures.
	Development of circuit delivery processes.
Achievements	Building an efficient team of engineers managing a country wide SDH/DWDM network
	Ensuring network stability on a network still under construction
	Network implementation progress reporting
	Introduction of Performance management Program
Results	Hand over a working network to Telfort

NOC Support Engineer (consultancy)	
Period	Jan 1999 - Jun 1999
Project title	n.a
Organization	Colt Telecom, Amsterdam NL
Client	Colt telecom
Sector	Telecommunications
Role / Function	NOC Support Engineer
Team size	6
Skills	SDH, DWDM, EMS, NMS, OA&M
Project Scope	OA&M on a SDH transmission network
Personal :	
Contributions	Daily operations of Colts SDH network
	Supporting the traffic migration
	Writing procedures and procedure for NOC operations.
	Network auditing.
	Filter the circuit administration Database against installed circuits in the network.
Achievements	Restored the accuracy of Colt's Circuit database
	Successfully migrated live Traffic within the deadlines set
	Simplified the Circuit Engineering procedure
Results	A cleaned up network database and better OA&M processes

Trainer and Project Coordinator (Permanent)	
Period	May 1995 - Jan 1999
Project title	TEP6/GSM Saudi Arabia
Organization	Lucent technologies SA
Client	Saudi telecom
Sector	Telecommunications
Role / Function	Trainer and Project Coordinator, Riyadh, Saudi Arabia
Team size	20
Skills	Training, project management, SDH, DWDM, PDH, Fiber optics,
Project Scope	Build a country wide central region transmission and GSM network and Transmission training STC engineers, military and lucent employees
Personal :	
Contributions	Expatriated from the Netherlands to Saudi Arabia to support Lucent Technologies with their TEP6/GSM project
	Implementation of the SDH/DWDM/GSM Long Distance network for the Saudi central region
	Managing and coordinating testing and trouble shooting transmission systems
	Coordinating the test and network acceptance programs.
	Planning of order and delivery of materials
	Project progress reporting to management based on global project management methodology
	Training Customer, Saudi military and local employees in the field of telecommunications
Achievements	Implementing the Saudi Arabian Long Distance SDH network
	Developing Progress Reporting methodology for Transmission system projects Solving various technological and system related problems
	Developing Long Distance remote measurements methodologies to support the project
	Successfully training Saudi Telecom Company engineers.
Results	Implementation of central region STC Fiber optic and transmission infrastructure including training various personnel.

Senior system developer (Permanent)	
Period	May 1990 - Jun 1995
Project title	n.a
Organization	AT&T bellabs - Lucent technologies, Hilversum Netherlands
Client	Compass trial, VoD Trial
Sector	Telecommunications
Role / Function	Senior system developer
Team size	10, 2
Skills	Schematic design (Orcad), PCB design, spice, Mathematics, ATM, FPGA, MPEG1, Composite Video, ADSL, HDSL, X86, C-programming
Project Scope	Development of a ATM Mux/Demux Circuit emulation System Development of a Video on Demand set top box based on the CCube CL450 MPEG-1 decoder chipset.

Personal :	
Contributions	Developing ATM based circuit emulation systems and Video On Demand (VOD) network elements
	Designing, testing and implementing developed Hardware and software
	Developing partnership relations with design groups in the USA
	Developed a working model of a VOD broadcast system based on ADSL video distribution and demonstrated its functionality in Bell Labs (USA)
	Developed a working ATM based 2Mbit circuit emulation terminal as part of a Compass trial.
Achievements	Working and stable ATM circuit emulation system based on AAL 1 ITU standard for 1.5, 2, 34, 45 Mbit Interfaces Demonstration of the VOD Set Top Box at Bell labs in Naperville (US).
Results	Working ATM Mux/Demux offering Circuit emulation over ATM. Working MPEG1 video decompression system.