



CONSEL

INTELIGENCIA ENERGÉTICA

# MISSION STATEMENT

CONSEL CIA. LTDA. Is an electrical and electronic contractor company that offers design, engineering, procurement and construction services. We add value to our projects by listening carefully to our clients, investing in innovative products and state-of-the-art technology to meet their technical demands and guarantee their satisfaction and a long term relationship. Our emphasis is in delivering cost-effective projects with the highest quality standards and efficient energy and electronic systems. Our team is committed to achieving the maximum productivity to carry out the most ambitious projects through strong leadership, dedicated management, experienced supervision, team work, technical proficiency, safety and health and continuous improvement.

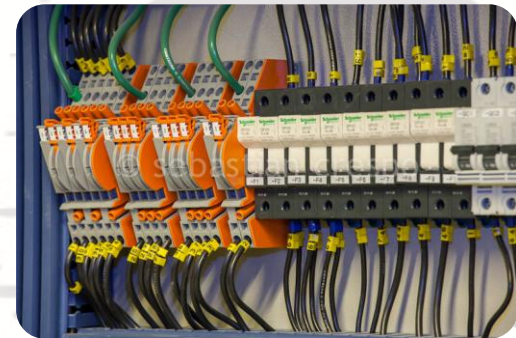
## Misión



INTELIGENCIA ENERGÉTICA

# VISION

Our vision is to be the leaders in electrical and electronic construction services in the Ecuadorian market; investing in innovative solutions and the professional growth of our people to deliver the highest quality projects in time and on budget to our clients complying with the technical regulations and committed on the well-being of our country.



## Visión

INTELIGENCIA ENERGÉTICA

Day after day we build a solid organizational culture based on these values that we share with our customers and suppliers, and promote in our company:

- Excellence: working 100% to deliver more than 100%. We work with determined passion to exceed the expectations of our clients delivering quality projects on time and under the budget.
- Responsibility: we make and deliver what we offer.
- Collaboration: we work as a team and practice a real and open communication with our clients and suppliers to create trustworthy relationships.
- Integrity: honesty, respect, loyalty, punctuality are fundamental in everything we do.



## Valores

CONSEL CIA. LTDA. Is an electrical and electronic contractor company that offers design, engineering, procurement and construction services with the highest standards and state-of-the-art technology to meet the technical demands of our customers complying with our corporate objectives, regulations and legal requirements applicable in relation to quality, safety and environmental care.

Our objectives with regard to quality are to exceed the expectations of our clients through service excellence oriented work, using innovation, planning, control and security, in each step of all of our processes.

We continually promote the development of our employees through training programs to improve quality, service capacity and professional development.



Our objectives with regard to safety and health are to promote the control of work risks by preventing accidents, the appearance of occupational diseases and physical security in our operations, through strategies that establish systems, methods and control of all processes. We invest in state-of-the-art technology and the continuous training of our staff to ensure that activities are carried out in accordance with safety standards, with correct use of tools and their continuous maintenance.

Our objectives for the environmental care are to prevent pollution in the work areas, properly managing the waste produced by the organization through controls and training to our staff.

We follow up on our performance and make continuous improvements to ensure the satisfaction of our customers, the safety and health of our employees and the respect and care of the environment.



Quito, a 8 de Febrero del 2012

## CERTIFICADO

Por medio de la presente certifico que la empresa CONSEL - CONSTRUCTORA ELECTRICA CÍA. LTDA. ha contratado los servicios profesionales de Novatech Cía. Ltda. para la realización de un proyecto de consultoría de Diseño e Implementación de un Sistema de Gestión Integrado de Calidad, Ambiente y Seguridad, de acuerdo a las normas internacionales ISO 9001:2008, ISO 14001:2004 y OHSAS 18001:2007 en sus operaciones y procesos.

El proyecto empezó en el mes de Enero del 2012 y se estima que terminará con la respectiva certificación en el mes de Octubre de este mismo año.

Novatech Cía. Ltda. autoriza a CONSEL a hacer uso de este certificado de la manera que lo considere conveniente.

Muy atentamente,



Ing. Pablo Ubidia Moral  
Gerente de Negocios  
Novatech Cía. Ltda.

# CLIENTS





## Electrical Engineering

### Bus duct:



### Transformer



### Distribution



### Generator



### UPS



### Grounding



### Lightning and accessories:



### Infraestructure



## Electrical Engineering and Construction

We offer the design, procurement and construction of **high, medium and low voltage electrical systems** of the projects based on current regulations and strict engineering criteria, according to the needs and requirements of our clients, optimizing the resources of each project.

We are committed to delivering a quality service that guarantees efficient and reliable installations that will last in time. Our highly trained staff is aligned with our strategies and the fulfillment of our objectives.



## Electrical Engineering and Construction



Electrical engineering and construction of high voltage electrical systems:

- Overhead and Underground Transmission Lines from 46 kV to 500 kV.
- Substations from 69 kV to 138 kV.



Underground transmission lines Bocatoma

## Electrical Engineering and Construction



Electrical engineering and construction of medium voltage electrical systems:

- Overhead Distribution Lines from 6.3kV to 22.8kV.
- Underground Distribution Lines from 6 kV to 25 kV.
- Outdoor, indoor and underground electrical room: power transformer, switchgear.
- Street lightning installation



Electrical room Paseo San Francisco

# Electrical Engineering and Construction

Electrical engineering and construction of low voltage electrical systems in civil and industrial projects:

- Design and construction of electrical systems:
  - Normal and emergency circuits
  - Special loads
  - Distribution boards
  - Lightning
  - Air conditioning
  - Elevators
  - Electric staircases
  - Electrical installations for pumping
- Design and construction of electrical room: transformer, distribution boards.
- Design and construction of energy back up (Generators).
- Design and construction of grounding systems
- Design and construction of lightning rod systems
- Design and installation of busduct system.



Installation of busduct system Paseo San Francisco

# Electronic and telecommunication engineering and construction

## Lightning control



## Access control



## CCTV



## Structured Cabling



## Intrusión



## Fire detection



## Intercom



## Automation



## Electronic Engineering and Construction

We offer the design, procurement and execution of automation and control systems of civil and industrial projects such as residential buildings, industries, commercial buildings, shopping malls, hospitals, based on current regulations and strict engineering criteria.

We guarantee the reliability in the electronic systems we install and in the work we execute by using only the latest technology and by continuously training and certify our people. We invest in high quality products and equipment of recognized brands with technical support.

- Access control
- Fire detection systems
- Lightning control
- Security systems
- Electronic systems integration
- SCADA.system
- SMART GRID applications
- Closed Circuit Television CCTV
- Sound systems



CCTV Mercado de Otavalo

# Telecommunications

We offer the design, procurement and execution of telecommunication systems of civil and industrial projects such as residential buildings, industries, commercial buildings, shopping malls, hospitals, according to the needs of our clients with highly trained and certified personnel.

Our extensive business track record and strategic alliances allow us to guarantee telecommunication installations that last in time with technical support and excellent equipment performance.

- Telephone networks
- Intercom system
- GPON-IP FTTH / FTTB
- Structured cabling
- Nurse call solutions
- Design and construction of Data Centers
- Antennas- Radio





# UNDERGROUND ELECTRICAL TRANSMISSION AND DISTRIBUTION LINES PROJECTS



**Client:**  
**EGARCO**  
**Boulevard Amazonas**

Start date: October 2016  
End date: August 2017  
**Underground cable system installed:**  
1200 mts<sup>2</sup>



**Client:** RIPCONCIV  
**Av. Simón Bolívar**

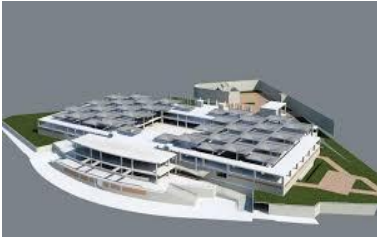
Start date: November 2016  
End date: July 2017  
**Underground cable system installed:**  
8000 mts<sup>2</sup>



**Client:** RIPCONCIV  
**Bocatoma**

Start date: November 2016  
End date: July 2017  
**Underground cable system installed:**  
1km

# UNDERGROUND ELECTRICAL TRANSMISSION AND DISTRIBUTION LINES PROJECTS



**Client:** NUEVO MERCADO DE OTAVALO RIPCONCIV

Start date: August 2013  
End date: May 2016

**Underground cable system installed: 300 mts2**



**Client:** METROPOLITAN URIBE & SCHWARZKOPF

Start date: August 2014  
End date : Dec 2015

**Underground cable system installed: 350 mts2**



**Client:** HE PARC URIBE & SCHWARZKOPF

Start date: July 2014  
End date : Sept 2015

**Underground cable system installed: 170 mts2**



**Client:** BRISTOL PARC URIBE & SCHWARZKOPF

Start date: Nov 2012  
End date : August 2014

**Underground cable system installed: 220 mts2**



**Client:** COSMOPOLITAN PARC URIBE & SCHWARZKOPF

Start date: Sept 2012  
End date : May 2014

**Underground cable system installed: 140 mts2**



**Client:** BAIRES URIBE & SCHWARZKOPF

Start date: Dec 2012  
End date : January 2014

**Underground cable system installed: 220 mts2**

# UNDERGROUND ELECTRICAL TRANSMISSION AND DISTRIBUTION LINES PROJECTS



**Client:** C.C. Paseo San Francisco  
Uribe & Schwarzkopf

Start date: Oct 2011  
End date : Feb 2013

**Underground cable system installed:**  
2500 mts2



**Client:** San Luis I y II  
Uribe & Schwarzkopf

Start date: June 2011  
End date : Oct 2012

**Underground cable system installed:**  
1200 mts2



**Client:** Parque Real  
Uribe & Schwarzkopf

Start date: May 2002  
End date : Oct 2012

**Underground cable system installed:**  
1000 mts2



**Client:** CUAC  
RIPCNCIV

Start date: May 2002  
End date : Oct 2012

**Underground cable system installed:**  
180 mts2



**Client:** Metroplaza  
Uribe & Schwarzkopf

Start date: May 2009  
End date : Nov 2010

**Underground cable system installed:**  
100 mts2



**Client:** Edif. Plaza Colón  
Uribe & Schwarzkopf

Start date: April 2006  
End date : Nov 2008

**Underground cable system installed:**  
110 mts2



**Client: YOO QUITO**  
**URIBE & SCHWARZKOPF**

Start date: August 2016  
 In construction

**Works:**  
 Design and construction of electrical systems. Design and construction of electrical room: transformer, MV switchgear, distribution boards. Procurement and installation of busduct system.

**Value: \$ 883.745,00**



**Client: SOTERRAMIENTO**  
**REDES ELECTRICAS**  
**BOCATOMA**  
**RIPCONCIV**

Start date: August 2016  
 End date: July 2017

**Works:**  
 Underground cabling : high voltage 46kV, medium voltage grid, low voltage cabling and public lightning.

**Value: \$1.500.000,00**



**Client: NUEVO MERCADO**  
**DE OTAVALO**  
**RIPCONCIV**

Start date: August 2013  
 End date : May 2016

**Works:**  
 Design and construction of electrical, telecommunication and electronic systems. Design and construction of electrical room: transformer, MV switchgear, distribution boards.

**Value: \$ 681.300,00**



**Client: BUSINESS CENTER**  
**GEM CONSTRUCTORES**

Start date: June 2014  
 End date : May 2017

**Works:**  
 Design and construction of electrical, telecommunication and electronic systems. Design and construction of electrical room: transformer, MV switchgear, distribution boards.

**Value: \$ 712.000,00**



**Client: METROPOLITAN**  
**PARC**  
**URIBE & SCHWARZKOPF**

Start date: August 2014  
 End date : Dec 2015

**Works:**  
 Design and construction of electrical systems. Design and construction of electrical room: transformer, MV switchgear, distribution boards. Procurement and installation of busduct system.

**Value: \$ 1.500.00,00**

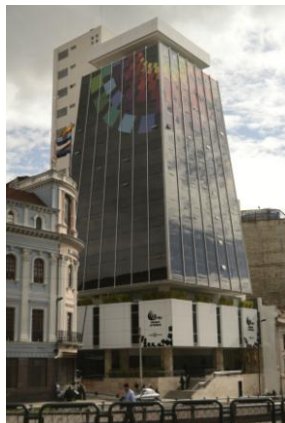


**Client: HE PARC**  
**URIBE & SCHWARZKOPF**

Start date: July 2014  
 End date : Sept 2015

**Works:**  
 Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer, MV switchgear, distribution boards.

**Value: \$ 650.000,00**



**Client: LA LICUADORA  
RIASCOS & RIASCOS**

Start date: March 2014  
End date : Dec 2015

**Works:**

Construction of electrical, telecommunication and electronic systems. Construction of electrical room: transformer , MV switchgear, distribution boards. Construction of the energy back up: generator.

**Value: \$ 400.000,00**



**Client: BRISTOL PARC  
URIBE & SCHWARZKOPF**

Start date: Nov 2012  
End date : August 2014

**Works:**

Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.

**Value: \$ 483.000,00**



**Client: COSMOPOLITAN  
PARC**

**URIBE & SCHWARZKOPF**  
Start date: Sept 2012  
End date : May 2014

**Works:**

Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.

**Value: \$ 480.000,00**



**Client: C.C. Paseo San F.  
Uribe & Schwarzkopf**

Start date: Oct 2011  
End date : Feb 2013

**Works:**

Design and construction of electrical, telecommunication and electronic systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards. Procurement and installation of busduct system

**Value: \$ 4.840.966,00**



**Client: SCHLUMBERGER**

Start date: March 2012  
End date : July 2012

**Works:**

Design and construction of electrical and telecommunication systems indoor and outdoor.

**Value: \$ 510.000,00**



**Client: Parque Real  
Uribe & Schwarzkopf**

Start date: May 2002  
End date : Oct 2012

**Works:**

Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.

**Value: \$2.240.700,00**



**Client:** San Luis I y II  
**Uribe & Schwarzkopf**

Start date: June 2011  
End date : Oct 2012

**Works:**

Design and construction of electrical and telecommunication systems.  
Design and construction of electrical room: transformer , MV switchgear, distribution boards.

**Value:** \$505.207,60



**Client:** Metroplaza  
**Uribe & Schwarzkopf**

Start date: May 2009  
End date : Nov 2010

**Works:**

Design and construction of electrical and telecommunication systems.  
Design and construction of electrical room: transformer , MV switchgear, distribution boards.

**Value:** \$435.753,00



**Client:** Centinela 3000  
**FORVI S.A.**

Start date: Sept 2006  
End date : June 2008

**Works:**

Design and construction of electrical and telecommunication systems.  
Design and construction of electrical room: transformer , MV switchgear, distribution boards.

**Value:** \$333.870,00



**Client:** CUAC  
**RIPCONCIV**

Start date: Sept 2009  
End date : Feb 2011

**Works:**

Construction of electrical systems indoor and outdoor and electronic systems

**Value:** \$361.403,22



**Client:** Edf. Plaza Colón  
**Uribe & Schwarzkopf**

Start date: April 2006  
End date : Nov 2008

**Works:**

Design and construction of electrical and telecommunication systems.  
Design and construction of electrical room: transformer , MV switchgear, distribution boards.

**Value:** \$339.192,00



**Client:** Hotel Le Parc  
**Uribe & Schwarzkopf**

Start date: Dec 2006  
End date : May 2007

**Works:**

Design and construction of electrical and telecommunication systems.  
Design and construction of electrical room: transformer , MV switchgear, distribution boards.

**Value:** \$ 228.995,57



**Client:** Amazonas Plaza

**Uribe & Swarzkopf**

Start date: Oct 2004

End date : Dec 2006

**Works:**

Design and construction of electrical and telecommunication systems.

Design and construction of electrical room: transformer , MV switchgear, distribution boards.

**Value:** \$430.118,00



**Client:** Refinería de Esmeraldas

**PETROECUADOR**

Start date: Oct 2004

End date : Dec 2006

**Works:**

Design and construction of electrical and telecommunication systems indoor and outdoor.

Design and construction of electrical room: transformer , MV switchgear, distribution boards.

**Value:** \$430.118,00



**Client:** Royalty Studios

**Arq. Germán Prado**

Start date: Sept 2004

End date : Sept 2005

**Works:**

Design and construction of electrical and telecommunication systems.

Design and construction of electrical room: transformer , MV switchgear, distribution boards.

**Value:** \$339.192,00



**Client:** Edificio Carlos V

**Condhor SA**

Start date: March 1998

End date : May 2001

**Works:**

Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.

**Value:** \$385.381,00



**Client:** Torres San Isidro

**Uribe & Schwarzkopf**

Start date: May 1992

End date : Feb 2000

**Works:**

Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.

**Value:** \$ 252.607,00



**Client:** Hotel Dann Carlton Uribe & Schwarzkopf

Start date: January 1997

End date : Dec 1998

**Works:**

Design and construction of electrical and telecommunication systems.

Design and construction of electrical room: transformer , MV switchgear, distribution boards.

**Value:** \$ 228.995,57

# PROJECTS IN PROGRESS



CLIENT	START DATE	AREA OF CONSTRUCTION	WORKS	VALUE
<b>Urbanización Puembo</b> Ripconci	Start date: September 2017	m2	Construction of the medium and low voltage grid. Construction of the electrical room: transformer, MV switchgear, distribution boards. Construction of intercom systems and optical fiber network.	<b>\$ 160.119,64</b>
<b>Edif. ONE</b> Uribe & Schwarzkopf	Start date: August 2017	m2	Design and construction of electrical systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards. Procurement and installation of busduct system	<b>\$1.295.976,63</b>
<b>Edif. YOO Quito</b> Uribe & Schwarzkopf	Start date: August 2016	33.387,20 m2	Design and construction of electrical systems. Design and construction of electrical room: transformer , distribution boards. Procurement and installation of busduct system	<b>\$ 883.745,45</b>
<b>Bulevar Amazonas</b> EGARCO	Start date: June 2016	707,8 m2	Underground cabling, MV, LV. Construction of the outdoor power transformer electrical room.	<b>\$ 75.000,00</b>
<b>Edif. Avant Garde</b> Inmobiliaria Madeira	Start date: August 2013	10.187 m2	Design and construction of electrical, telecommunication and electronic systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$ 230.000,00</b>



## OFFICE BUILDINGS

CLIENT	DURATION	WORK DONE	VALUE
<b>Business Center</b> GEM Constructores	Start date: June 2014 End date: May 2017	Design and construction of electrical, telecommunication and electronic systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$ 712.000,00</b>
<b>Metropolitan Parc</b> Uribe & Schwarzkopf	Start date: August 2014 End date: Dec 2015	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$ 1.500.000,00</b>
<b>Schlumberger (sede Quito)</b> Schlumberger	Start date: March 2012 End date: July 2012	Design and construction of electrical, and telecommunication systems indoor and outdoor.	<b>\$ 510.000,00</b>
<b>Edf. Urban Plaza</b> Uribe & Schwarzkopf	Start date: April 2009 End date: June 2010	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$161.345,00</b>
<b>Edf. Business Plus La Pradera</b> Arq. Germán Prado	Start date: May 2007 End date: January 2008	Design and construction of electrical and telecommunication systems.	<b>\$87.883,00</b>
<b>Edf. Amazonas Plaza</b> Uribe & Schwarzkopf	Start date: Oct 2004 End date: Dec 2006	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$430.118,00</b>
<b>Edf. Royalti Studios</b> Arq. Germán Prado	Start date: Sept 2004 End date: Sept 2005	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$339.192,00</b>
<b>Edf. Torres Whymper</b> Arq. Carlos Izurieta	Start date: May 1994 End date: August 1997	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$139.968,69</b>
<b>Oficinas Maletec</b> Arq. Tommy Schwarzkopf	Start date: August 1993 End date: Oct 1993	Design and construction of electrical and telecommunication systems.	<b>\$1.221,00</b>
<b>Edificio Cepsa</b> Predios CIA. LTDA.	Start date: June 1993 End date: March 1994	Design and construction of electrical and telecommunication systems indoor and outdoor.	<b>\$17.675,92</b>
<b>Lomas de Santa Lucia</b> Eco. Cristobal Flores	Start date: Oct 1995 End date: July 1997	Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$88.531,83</b>

# RESIDENTIAL BUILDINGS

CLIENT	DURATION	WORK DONE	VALUE
<b>Edf. Oceania Manta</b> GEM Constructores	Start date: June 2013 End date: Oct 2015	Design and construction of electrical, telecommunication and electronic systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$ 305.000,00</b>
<b>Edf. Platinum A, B, C, D y E</b> Inmobiliaria Madeira	Start date: Sept 2011 End date: Feb 2014	Design and construction of electrical, telecommunication and electronic systems. Design and construction of two electrical room: transformer , MV switchgear, distribution boards.	<b>\$710.150,00</b>
<b>Edf. Marquis Plaza</b> Uribe & Schwarzkopf	Start date: Sept 2011 End date: June 2012	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$150.000,00</b>
<b>Edif. Parque Real</b> Uribe & Schwarzkopf	Start date: May 2002 End date: Oct 2012	Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$2.240.700,00</b>
<b>Edf. Metro Plaza</b> Uribe & Schwarzkopf	Start date: May 2009 End date: Nov 2010	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$435.753,00</b>
<b>Edif. Plaza Cordero</b> Uribe & Schwarzkopf	Start date: July 2009 End date: June 2010	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$154.580,00</b>
<b>Edf. Santa Isabela</b> Uribe & Schwarzkopf	Start date: Sept 2009 End date: Nov 2009	Design and construction of temporary transformer tower.	<b>\$4.400,00</b>
<b>Edf. Torre Alta</b> Uribe & Schwarzkopf	Start date: Feb 2008 End date: August 2009	Design and construction of electrical and telecommunication systems.	<b>\$175.000,00</b>
<b>Torres San José</b> Uribe & Schwarzkopf	Start date: June 2008 End date: Sept 2009	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$243.148,00</b>
<b>Edf. Plaza Colón</b> Uribe & Schwarzkopf	Start date: April 2006 End date: Nov 2008	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$ 339.192,00</b>

# RESIDENTIAL BUILDINGS

CLIENT	DURATION	WORK DONE	VALUE
<b>Edf. Lugano</b> Acresersa	Start date: Nov 2006 End date: May 2008	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$74.405,00</b>
<b>Edf. Centinela 3000 Central</b> Cia. Forvi S.A.	Start date: Sept 2006 End date: June 2008	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$330.870,00</b>
<b>Edf. Torre Cabana</b> Acresersa	Start date: Sept 2005 End date: March 2007	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$100.000,00</b>
<b>Edf. Beaumont</b> Uribe & Schwarzkopf	Start date: March 2006 End date: January 2007	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$32.107,00</b>
<b>Edf. Van Gogh</b> Arq. Carlos Garcés	Start date: Feb 2006 End date: April 2007	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$40.000,00</b>
<b>Edf. Umbrales de Cumbayá</b> Colimark Arquitectos	Start date: Oct 2005 End date: January 2007	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$120.000,00</b>
<b>Edf. San Salvador</b> Econ. Eduardo Flores	Start date: March 2004 End date: Nov 2006	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$88.596,00</b>
<b>Edf. Dali</b> Arq. Carlos Garcés	Start date: July 2004 End date: July 2005	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$45.918,00</b>
<b>Edf. Torres San Fermín</b> Acresersa	Start date: Feb 2003 End date: April 2005	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$128.068,00</b>
<b>Edf. Murano</b> Uribe & Schwarzkopf	Start date: Oct 2003 End date: Dec 2004	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$ 89.480,00</b>
<b>Edf. Andrade</b> Arq. Carlos Morochz	Start date: January 2003 End date: July 2003	Design and construction of electrical room: transformer 125kV, MV switchgear, distribution boards.	<b>\$54.888,00</b>

# RESIDENTIAL BUILDINGS

CLIENT	DURATION	WORK DONE	VALUE
<b>Edf. Torino</b> Arq. Carlos Garcés	Start date: Feb 2003 End date: Feb 2005	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$116.893,00</b>
<b>Edf. Park Plaza</b> Ing. Thomas Ehrenfeld	Start date: Nov 2002 End date: July 2004	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$74.401,00</b>
<b>Edf. Tour Du Ponte</b> Arq. Carlos Garcés	Start date: Oct 2002 End date: Dec 2003	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$75.000,00</b>
<b>Edf. Quiteño Libre</b> Ing. Julio Arguello	Start date: Sep 2005 End date: Dec 2006	Design and construction of electrical and telecommunication systems.	<b>\$70.000,00</b>
<b>Edf. Torres de Santa Fe</b> Uribe & Schwarzkopf	Start date: Sept 2001 End date: Feb 2003	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$219.681,00</b>
<b>Edf. Ardres Plaza</b> Uribe & Schwarzkopf	Start date: Oct 2001 End date: July 2003	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$ 135.543,00</b>
<b>Edf.Plaza Suiza</b> Acresersa	Start date: Nov 2001 End date: Feb 2003	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$46.024,00</b>
<b>Edificio Carlos V</b> Condhor SA	Start date: March 1998 End date: May 2001	Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$385.381,00</b>
<b>Torres San Isidro</b> Uribe & Schwarzkopf	Start date: May 1992 End date: Feb 2000	Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$ 252.607,00</b>
<b>Granados Plaza</b> Arq. Hector Carranza	Start date: January 1995 End date: Feb 1996	Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$ 117.631,76</b>

# GOVERNMENTAL

CLIENT	DURATION	WORK DONE	VALUE
<b>Soterramiento de Redes Eléctricas, Autopista General Rumiñahui – Sector Bocatoma</b> RIPCONCIV	Start date: August 2016 End date: May 2017	Underground cabling : high voltage 46kV , medium voltage grid, low voltage cabling and public lightning.	<b>\$ 1.500.000,00</b>
<b>Ampliación Av. Simón Bolívar</b> Ripconci	Start date: April 2017 End date: October 2017	Relocation of the medium and low voltaje network.	
<b>Plaza Cristo del Consuelo</b> MaccConstrucciones	Start date: July 2016 End date: January 2017	Construction of the electrical systems of the square.	<b>\$ 27.095,00</b>
<b>NUEVO MERCADO DE OTAVALO</b> RIPCONCIV	Start date: August 2013 End date: May 2016	Construction of electrical and telecommunication systems. Construction of electrical room: transformer , MV switchgear, distribution boards	<b>\$ 681.300,00</b>
<b>Edificio La Licuadora</b> Riascos & Riascos	Start date: March 2014 End date: Dec2015	Construction of electrical, telecommunication and electronic systems. Construction of electrical room: transformer , MV switchgear, distribution boards. Construction of the energy back up: generator.	<b>\$400.000,00</b>
<b>Centro de Detención Calderón</b> Ribadeneira & Ribadeneira	Start date: August 2014 End date: May 2006	Design and construction of electrical and electronic systems.	<b>\$ 42,000</b>
<b>Centro Unificado de Atención Ciudadana</b> RIPCONCIV	Start date: Sept 2009 End date: Feb 2011	Construction of the electrical systems indoor and outdoor.	<b>\$361.403,22</b>
<b>Policía Nacional</b> Policía Nacional	Start date: May 2012 End date: August 2012	Design and construction of electrical and telecommunication systems.	<b>\$ 97.000,00</b>
<b>Parque Curingue</b> Consortio Egarco	Start date: Oct 2012 End date: April 2008	Design and construction of the public lightning.	<b>\$ 170.000,00</b>
<b>Ministerio de Energía y Minas</b> Ministerio de energía y minas	Start date: Dec 2002 End date: June 2003	Design and construction of electrical and telecommunication systems indoor and outdoor.	<b>\$ 73.837,00</b>

# GOVERNMENTAL

CLIENT	DURATION	WORK DONE	VALUE
<b>Base de Manta</b> Ing. José Naranjo	Start date: March 2003 End date: April 2003	Construction of electrical systems in the gym and bathrooms.	<b>\$ 11.878,00</b>
<b>Puerto pesquero Esmeraldas</b> Arq. Fernando Calle	Start date: Oct 2002 End date: May 2003	Lightning design.	<b>\$ 3.000,00</b>
<b>Iglesia la Catedral y El Sagrario</b> Inst. Nacional del Patrimonio Cultural	Start date: May 1996 End date: April 1997	Design and construction of electrical and electronic systems. Indoor and outdoor. Design and construction of electrical room: transformer, MV switchgear, distribution boards.	<b>\$ 71.540,00</b>
<b>Corte Suprema de Justicia</b> Urbana Consultores	Start date: January 1995 End date: March 1995	Evaluation of the electrical and electronic systems indoor and outdoor.	<b>\$ 2.053,39</b>
<b>Casa de la Cultura Ecuatoriana</b> Arq. José Avilés	Start date: Feb 1995 End date: June 1995	Design and construction of electrical and telecommunication systems indoor and outdoor.	<b>\$ 4.277,89</b>
<b>Parques de las Parroquias rurales de Quito</b> Alcaldía Metropolitana de Quito	Start date: June 1991 End date: August 1991	Technical supervision of the illumination of the park.	<b>\$ 6.041,82</b>

# MINING AND OIL

CLIENT	DURATION	WORK DONE	VALUE
<b>Campamento Kinross</b> Kinross	Start date: August 2010 End date: Sept 2011	Maintenance and reparation of the outdoor electrical systems.	<b>\$25.000,00</b>
<b>Refinería de Esmeraldas</b> PETROECUADOR	Start date: Oct 2004 End date: Dec 2006	Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$430.118,00</b>

# HOSPITALS

CLIENT	DURATION	WORK DONE	VALUE
<b>Hospital Luis Dávila de Tulcán</b> COGEFAR	Start date: Nov 1991 End date: May 1992	Integral study of the electrical and electronic systems.	<b>\$3.749,00</b>
<b>Hospital de Baeza</b> Terra Nuova	Start date: July 1989 End date: Sept 1989	Design and construction of electrical and telecommunication systems indoor and outdoor.	<b>\$55.803,00</b>

# BANKS

CLIENT	DURATION	WORK DONE	VALUE
<b>Bco. del Pacífico Pana. Norte</b> Ing. Ramón Burneo	Start date: March 1995 End date: June 1996	Design and construction of electrical and telecommunication systems indoor and outdoor.	<b>\$ 34.223,13</b>
<b>Bco. del Pacífico Cumbaya</b> Ing. Ramón Burneo	Start date: Oct 1994 End date: Feb 2005	Design and construction of electrical and telecommunication systems indoor and outdoor.	<b>\$ 32.646,88</b>
<b>Bco. del Pacífico Ibarra</b> Banco del Pacífico	Start date: Feb 1995 End date: March 1996	Design and construction of electrical and telecommunication systems indoor and outdoor.	<b>\$ 27.701,23</b>

# SHOPPING MALLS / RETAIL STORES / RESTAURANTS

CLIENT	DURATION	WORK DONE	VALUE
<b>C.C. Paseo San Francisco</b> Uribe & Schwarzkopf	Start date: Oct 2011 End date: Feb 2013	Design and construction of electrical, telecommunication and electronic systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards. Procurement and installation of busduct system	<b>\$ 4.840.966,00</b>
<b>Grupo KFC</b>	Start date: 2006 End date: 2008	Construction of indoor and outdoor electrical systems in several stores.	<b>\$79.208,00</b>
<b>Quicentro Shopping</b> Arq. Michel Deller	Start date: Sept 1996 End date: January 1997	Design and construction of electrical and telecommunication systems indoor and outdoor.	<b>\$54.501,18</b>
<b>Carvajal Show Room</b> Ing. Oscar Ureta	Start date: Feb 1996 End date: Sept 1996	Design and construction of electrical and telecommunication systems indoor and outdoor.	<b>\$6.578,45</b>
<b>Tropiburguer Cumbaya</b> Arq. Tommy Schwarzkopf	Start date: May 1994 End date: March 1995	Design and construction of electrical and telecommunication systems indoor and outdoor.	<b>\$14.550,26</b>
<b>Quicentro Shopping</b> Arq. Michel Deller	Start date: August 1994 End date: Nov 1994	Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$55.224,87</b>
<b>Galerías del Bosque</b> Tommy Schwarzkopf	Start date: August 1993 End date: Oct 1993	Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$32.725,64</b>



## HOTELS / TURISTIC PROJECTS

CLIENT	DURATION	WORK DONE	VALUE
<b>Hotel Le Park</b> Uribe & Schwarzkopf	Start date: Dec 2006 End date: May 2007	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$ 137.251,00</b>
<b>Hotel Dann Carlton</b> Uribe & Schwarzkopf	Start date: January 1997 End date: Dec 1998	Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$ 228.995,57</b>
<b>Hotel Reina Isabel</b> Arq. José Azanza	Start date: January 1989 End date: March 1990	Design and construction of electrical and telecommunication systems indoor and outdoor.	<b>\$ 9.796,86</b>

## COUNTRY CLUBS

CLIENT	DURATION	WORK DONE	VALUE
<b>Club Santa Fe</b> Uribe & Schwarzkopf	Start date: Sept 2003 End date: January 2007	Design and construction of electrical and telecommunication systems.	<b>\$ 28.274,00</b>
<b>Club de Golf Los Cerros</b> Ing. Bernardo Uribe	Start date: August 1993 End date: Sept 1995	Design and construction of electrical and telecommunication systems indoor and outdoor.	<b>\$ 18.469,04</b>

# INDUSTRIAL

CLIENT	DURATION	WORK DONE	VALUE
<b>Fabrica Righetti</b> Righetti	Start date: Sept 1999 End date: Nov 1999	Design and construction of electrical and telecommunication systems indoor and outdoor.	\$ 3.160,68
<b>Fabrica Roxton</b> David Beitsch	Start date: Nov 1998 End date: May 1999	Design and construction of the power transformer tower.	\$ 4.784,92
<b>Fabrica Tarjeal</b> Arq. Jaime Viteri	Start date: July 1994 End date: Dec 1994	Design and construction of the power transformer tower.	\$ 1.574,48
<b>Fabrica El Greco</b> Acresersa	Start date: July 1998 End date: April 1999	Design and construction of indoor and outdoor electrical systems .	\$ 12.563,05
<b>Fabrica Scandimodas</b> Espacio diseño interior	Start date: Sept 1994 End date: Nov 1994	Design and construction of the power transformer tower.	\$ 10.670,19
<b>Estación de bombeo Cutulagua</b> Ing. José Naranjo	Start date: August 1994 End date: Dec 1994	Design and construction of the power transformer tower.	\$ 3.830,24
<b>Centro de producción RESNACA</b> Arq. Pedro Vasconez	Start date: July 1990 End date: Sept 1990	Design and construction of electrical and telecommunication systems indoor and outdoor.	\$ 1.927,72
<b>Fabrica AYA</b> Alarcon & Alarcon	Start date: Sept 1990 End date: March 1991	Design and construction of the power transformer tower.	\$ 5.882,35
<b>Fabrica Leansa</b> Lecheria Andina SA	Start date: June 1988 End date: July 1988	Design and construction of the power transformer tower.	\$ 5.071,43

# RESIDENTIAL COMPOUNDS

CLIENT	DURATION	WORK DONE	VALUE
<b>Conjunto habitacional Villa Isidora</b> Uribe & Schwarzkopf	Start date: April 2013 End date: March 2014	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$107.260,00</b>
<b>Portal Florencia</b> Uribe & Schwarzkopf	Start date: April 2011 End date: January 2013	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$195.886,84</b>
<b>San Luis I y II</b> Uribe & Schwarzkopf	Start date: June 2011 End date: Oct 2012	Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$505.207,60</b>
<b>Portón de Cumbayá II</b> Uribe & Schwarzkopf	Start date: Oct 2009 End date: July 2010	Design and construction of electrical and telecommunication systems. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$92.344,00</b>
<b>Paseos del Pichincha</b> Andino Asociados	Start date: January 2009 End date: July 2009	Design and construction of outdoor electrical systems, MV cabling and public lightning.	<b>\$55.115,00</b>
<b>Jardines San Luis</b> Uribe & Schwarzkopf	Start date: July 2008 End date: May 2010	Design and construction of electrical and telecommunication systems indoor and outdoor.	<b>\$253.374,00</b>
<b>Casa y Campo</b> Semaica – Romero & Pazmiño	Start date: January 2008 End date: Oct 2009	Design and construction of electrical outdoor systems, MV cabling and public lightning.	<b>\$ 164.366,00</b>
<b>Portón Equinoccial</b> Uribe & Schwarzkopf	Start date: Sept 2008 End date: Dec 2009	Design and construction of electrical and telecommunication systems indoor and outdoor.	<b>\$126.368,00</b>
<b>Del Conde</b> Premezcla S.A.	Start date: June 2008 End date: Dec 2009	Design and construction of electrical and telecommunication systems indoor and outdoor.	<b>\$36.072,00</b>
<b>Paseos del Pichincha</b> Andino Asociados	Start date: March 2008 End date: June 2008	Design and construction of electrical indoor and outdoor systems.	<b>\$47.451,00</b>
<b>Paseos del Pichincha</b> Andino Asociados	Start date: July 2006 End date: Oct 2008	Design and construction of electrical indoor and outdoor systems. Design and construction of the power transformer tower.	<b>\$42.389,00</b>
<b>Alcala del Valle</b> Uribe & Schwarzkopf	Start date: Agosto 2005 End date: Noviembre 2007	Design and construction of electrical and telecommunication systems indoor and outdoor.	<b>\$225.082,00</b>

# RESIDENTIAL COMPOUNDS

CLIENT	DURATION	WORK DONE	VALUE
<b>Paseos del Pichincha 4</b> Andino Asociados	Start date: August 2005 End date: Septiembre 2005	Design and construction of electrical and telecommunication systems indoor and outdoor.	<b>\$15.000,00</b>
<b>Capri</b> Uribe & Schwarzkopf	Start date: June 2004 End date: May 2006	Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$198.061,00</b>
<b>Adriana III</b> Constructora Cazar Hnos.	Start date: Nov 2004 End date: July 2005	Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$93.107,00</b>
<b>Quitumbe Solidaridad</b> Andino Asociados	Start date: Sept 2003 End date: Nov 2005	Construction of the outdoor electrical systems.	<b>\$9.565,00</b>
<b>Terra Cota</b> Andino Asociados	Start date: January 2002 End date: Oct 2006	Design and construction of the distribution lines, telecommunication systems, public lightning and electrical room: transformer , MV switchgear, distribution boards.	<b>\$37.031,00</b>
<b>Zaragoza</b> Andino Asociados	Start date: August 2003 End date: Dec 2004	Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$49.530,00</b>
<b>Vía Marina</b> Marcel Scholem	Start date: Janury 2002 End date: May 2002	Design and construction of the distribution lines, public lightning and electrical room: transformer , MV switchgear, distribution boards.	<b>\$4.000,00</b>
<b>Andaluz</b> Gonzyla CIA. LTDA	Start date: August 2002 End date: Oct 2002	Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$112.000,00</b>
<b>Villaloma</b> Ing. Bernardo Uribe	Start date: July 2001 End date: Oct 2002	Design and construction of outdoor electrical systems.	<b>\$29.891,00</b>
<b>Portón del Valle</b> Uribe & Schwarzkopf	Start date: Dec 2000 End date: March 2003	Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$99.954,00</b>
<b>Portón de Cadiz</b> Uribe & Schwarzkopf	Start date: June 2000 End date: Sept 2000	Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards	<b>\$360.365,00</b>
<b>Castejon del Golf</b> Contrading	Start date: August 2000 End date: Sept 2000	Design and construction of electrical outdoor systems.	<b>\$36.240,00</b>
<b>Monte Loma</b> Uribe & Schwarzkopf	Start date: May 1999 End date: June 2000	Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of the power transformer tower.	<b>\$78.000,00</b>

# UNIVERSITY CAMPUS / SCHOOLS

CLIENT	DURATION	WORK DONE	VALUE
<b>Fundación educativa del Valle</b> Ing. Eduardo Vergara	Start date: June 2002 End date: March 2003	Design and construction of the power transformer tower.	\$ 13.260,00
<b>U. Católica (facultad investigación)</b> Arq. Fernando Calle (PUCE)	Start date: Feb 1990 End date: Oct 1991	Design and construction of electrical and telecommunication systems indoor and outdoor.	\$ 14.570,14
<b>Colegio La Inmaculada (residencia)</b> Colegio La Inmaculada	Start date: Oct 1992 End date: Feb 1993	Design and construction of electrical and telecommunication systems indoor and outdoor.	\$ 20.388,29
<b>Colegio Fernández Madrid</b> DINSE	Start date: January 1990 End date: March 1990	Design and construction of the illumination systems of the recreative zones.	\$ 1.696,83
<b>Colegio Don Bosco (remodelación)</b> Constructora Arteaga	Start date: Feb 1990 End date: Dec 1990	Design and construction of electrical and telecommunication systems indoor and outdoor.	\$ 3.393,67
<b>Fundación Pérez Pallares</b> Arq. Fabián Espinoza	Start date: May 1991 End date: Nov 1991	Design and construction of electrical and telecommunication systems indoor and outdoor.	\$ 580.945,00

## OTHERS

CLIENT	DURATION	WORK DONE	VALUE
<b>Club GIA</b> Joseph Schwarzkopf	Start date: March 2006 End date: May 2006	Design and construction of electrical and telecommunication systems. Design and construction of the power transformer tower.	<b>\$15.219,00</b>
<b>Albergue San Juan de Dios</b> Uribe & Schwarzkopf	Start date: July 2000 End date: Nov 2000	Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$56.000,00</b>
<b>Sinagoga de Quito</b> Uribe & Schwarzkopf	Start date: May 1999 End date: July 2000	Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$73.641,00</b>
<b>Conservatorio de Música</b> Uribe & Schwarzkopf	Start date: Sept 1998 End date: Dec 1998	Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$23.164,47</b>
<b>Residencia San Ignacio</b> Padre José Mico Buchon	Start date: Marzch 1996 End date: Oct 1996	Design and construction of electrical and telecommunication systems indoor and outdoor.	<b>\$1.375,89</b>
<b>FEREXPO Centro de Exposiciones</b> Washington Aguayayo	Start date: July 1993 End date: April 1994	Design and construction of electrical and telecommunication systems indoor and outdoor.	<b>\$65.749,58</b>
<b>CRD. Hacienda Cochapamba</b> Arq. Fernando Calle (PUCE)	Start date: Sept 1990 End date: May 1992	Design and construction of electrical and telecommunication systems indoor and outdoor. Design and construction of electrical room: transformer , MV switchgear, distribution boards.	<b>\$9.124,65</b>



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