



Association of Mine Resident Engineers

Fifth Floor, Chamber of Mines, 5 Hollard Street, Johannesburg, 2001

All correspondence to be addressed to the Secretary

P O Box 61709, Marshalltown, 2107, Telephone, 011 498 7759

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Website Address: www.amre.org.za

An Association not for gain

09 March 2017

AMRE PRESIDENTIAL VISIT TO CHILE : 2 - 11 JUNE 2017

The Association of Mine Resident Engineers of South Africa (AMRE), which consists of some 500 members from hard rock gold, platinum and other metalliferous mining operations, was established in 1924.

The main objectives of the Association have always been to originate and promote the general advancement of all matters related to the work of mechanical and electrical engineers within the mining industry and at all times strive to protect the interests of its members.

One of the highlights of the Association every year is its Presidential Visit. The purpose of the visit is to arrange for its members the opportunity to travel and see other mines, plant, equipment and technology.

This year the visit will be to Chile, from 2 to 11 June, where many mines are located that are using state of the art technology on large scale. The planned itinerary is as follows (please also see the detailed itinerary attached):

Friday 2 June:	Depart Johannesburg, South Africa
Saturday 3 June:	Arrive Calama, Chile.
Sunday 4 June:	Visit Geyser del Tatio
Monday 5 June:	Visit Chuquicamata Mine
Tuesday 6 June:	Fly to Santiago, Chile Visit Bridon-Bekaert Rope Factory
Wednesday 7 June:	Visit El Teniente Mine Visit Sewell Village World Heritage Site
Thursday 8 June:	Visit Los Pelambres Mine
Friday 9 June:	Full day touring in Santiago Presidential Dinner
Saturday 10 June:	Depart Santiago, Chile
Sunday 11 June:	Arrive Johannesburg, South Africa

The cost of the visit is R80,000 per person.

To join this visit, please complete and return the attached booking form together with a photocopy of your passport by email to elaineg@mpas.co.za as soon as possible but not later than Friday 24 March 2017. An Invoice will be sent to you as soon as we receive your booking and full payment must be made not later than 14 April 2017.

South African passport holders do not require a visa to visit Chile. Persons with other passports to check and arrange for their own applicable visa requirements.

Further detailed arrangements will be communicated to attendees of the visit.

Yours faithfully

JWS Odendaal (Willem)
Vice President



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All correspondence to be addressed to the MPAS Manager

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PRESIDENTIAL VISIT TO CHILE FROM 2 – 11 JUNE 2017 BOOKING FORM

(PLEASE TYPE OR USE BLOCK LETTERS)

R80 000 PER PERSON

Please do not send your payment until you receive your invoice

Closing date for registration: 24 March 2017

DETAILS FOR BILLING PURPOSES:

Full Name and Postal Address of Company (For billing Purposes):

Vat Number:

Email address for invoice:

Contact Number for Invoice

Order number:

Approval:

Signature

Name

Date

DETAILS OF PERSON TRAVELLING:

Surname

(As it appears in your passport)

First Names

(As it appears on our passport)

Familiar Name

(what your friends call you)

Physical Home Address

Telephone

(Cell) (Office)

E-mail address

Passport Number

_____ Expiry Date _____

Type / Nationality

ID Number

PLEASE ATTACH A PHOTOCOPY OF YOUR PASSPORT

PRESIDENTIAL VISIT TO CHILE FROM 2 – 11 JUNE 2017 BOOKING FORM

DETAILS OF PERSON TRAVELLING (Continued):

Designation _____

Next of kin: Name _____

Relation _____

Tel _____

Shirt Size _____ Shoe Size _____ Overall Size _____

Special Dietary Requirements _____

Any medical condition(s)? _____

Allergies? _____

Room _____ Smoking _____ Snorer _____
(Single / Sharing) (Y/N) (Y/N)

If sharing a room, with whom? _____

Signature of person travelling: _____ Date _____

Association Contact: Elaine Govender
Tel: (011) 568 2052
Fax: (011) 834 3804
Email: elaineg@mpas.org.za

AMRE PRESIDENTIAL VISIT TO CHILE 2017 –ITINERARY



Friday 2nd June:

21H00 Meet at ORT Airport for the LATAM Airlines flight to Sao Paulo. JJ8163 departs at **23H10** for arrival the following morning at **04H45**.

Saturday 3rd June:

Connect at **08H05** on JJ8026 to Santiago. On arrival in Santiago at **11H35**. Connect directly onto LA346 departing at 1435 for arrival in Calama at 1645.

On arrival met and transferred to The Park Calama Hotel.

Calama is a city on the Loa River in the Antofagasta region in northern Chile. Set in a mining area, it's known as a gateway to the Atacama Desert. Just north, Chuquicamata is a vast open-pit copper mine. Chiu Chiu, a village near Calama, is home to a 17th-century adobe church.



Park Hotel Calama offers panoramic views of the Atacama Desert. It features free Wi-Fi and stylish rooms overlooking the outdoor pool. The hotel is located a 5-minute drive from the airport.



Dinner and overnight at the hotel.

Sunday 4th June:

Full day visit to Geysers del Tatio and a leisurely lunch in Calama.

Geysers del Tatio is a geothermal field located in the Andes mountain range. The fumaroles of these geysers, the highest of the world (4,300 m), are produced by the high temperatures of their watery craters and offer a unique spectacle of the Chilean desert. El Tatio has over 80 active geysers, making it the largest geyser field in the southern hemisphere and the third largest in the world. There will be plenty of photographic opportunities and a chance to take a “bath” in the thermal mineral waters of El Tatio.



Dinner and overnight Park Calama Hotel.

Monday 5th June:

Full day visit to Chuquicamata Mine

Chuquicamata, one of the largest open pit copper mines and the second deepest open-pit mine in the world, is located 1,650km north of Santiago, Chile. The mine, popularly known as Chuqui, has been operating since 1910. The century-old copper mine is owned and operated by Codelco and forms part of the company's Codelco Norte division, which includes the Radomiro Tomic (RT) mine found on the same mineralised system. A new underground mine is being developed to access the ore body situated beneath the present open pit mine. The conceptual engineering for the underground Chuquicamata mine began in 2007 and was finalised in March 2009. The project obtained the environmental authorisation in September 2010.



Return to Calama for dinner and overnight

Tuesday 6th June:

Fly to Santiago LA343 SCLCJC 0905 1115.

On arrival visit the Prodinsa Fabrica de Cables de Acero factory of Bridon-Bekaert.

End of the day check in, dinner and overnight at the Intercontinental Hotel.

Santiago, is the capital and economic centre of Chile. With its museums, events, theatres, restaurants, bars and other entertainment and cultural opportunities, it is the political and cultural centre of the country. Due to its proximity to both mountains and the Pacific Ocean, It is possible to ski in the nearby Andes and later be on the beach, all in the same day. The metropolitan area has about seven million inhabitants.

InterContinental Santiago offers accommodation in a luxury building featuring two heated swimming pools, a modern gym and two restaurants. It is located in El Golf district, only 6.2km from San Cristobal Hill and a 15-minute drive from Parque Arauco Mall. Shops and restaurants can be reached within easy walking distance. Boasting classy décor, rooms at Santiago InterContinental feature plasma TVs, minibars and stylish wooden work desks. Spacious rooms, they have large windows overlooking the city and comfortable seating areas. A buffet breakfast is served daily whilst dinner is available in any one of three restaurants. The bar is open daily from 16H00 – 24H00 and there are two coffee shops. Guests can make use of the sauna, or request massages and facial treatments. Personal trainer assistance is available.

<http://www.intercontisantiago.com/>

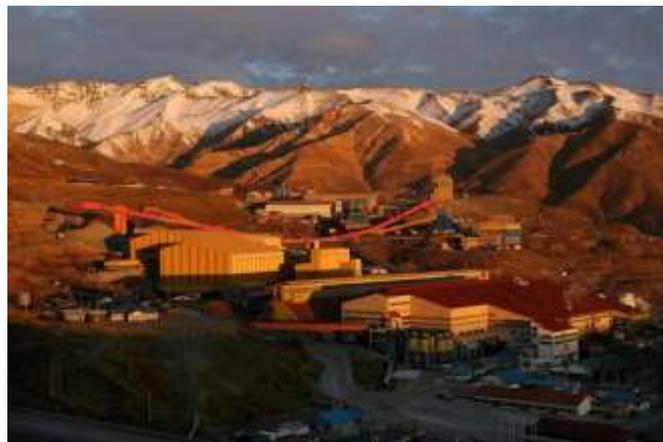


Wednesday 7th June:

Full day visit to El Teniente Mine and Sewell Village (World Heritage Site)

El Teniente is the world's biggest underground copper mine and the sixth largest copper mine by reserve size. Located 80km south of Santiago in the Andes mountain range in Chile, the facility is undergoing an extensive \$3.4bn expansion project called El Teniente New Mine Level project to extend its production life by 50 years.

Owned and operated by Chile's national copper company Codelco, the underground copper mine was discovered in the early 19th century and has been operational since 1905. The El Teniente New Mine Level project will access approximately 2.02 billion tonnes of ore reserves (grading 0.86% copper) lying deeper at about 350m below the existing undercut level of the mine. The expansion project received environmental permit in March 2011 and construction started in October 2011. It is expected to create around 3,500 jobs during construction phase and is scheduled to be operational in 2018.



El Teniente is one of the first mines in the world to deploy semi-automated load haul dumpers (LHDs) for ore extraction in 2004. The mine is accessed by a 3.5km tunnel and the ore is hauled to the surface through a railroad system. Automated mining operation with the mining, processing and transport activities planned to be remote controlled from a new corporate building near the city of Rancagua, located 50km away from the mine site.

Sewell is an uninhabited Chilean mining town located on the slopes of the Andes in the commune of Machalí in Cachapoal Province. The altitude here is between 2,000 and 2,250 metres. In 1998 the Chilean Government declared Sewell a National Monument whilst UNESCO designated it a World Heritage Site in 2006. During the 1980s the remaining buildings were remodelled to house contractors. There are 50 restored buildings remaining and a history museum is housed in one of the structures.

CODELCO uses several buildings for offices, but only the basic facilities required for mining remain. It is not possible to access the area with private vehicles and only tour operators in Santiago and Rancagua are allowed to visit the site.

https://en.wikipedia.org/wiki/Sewell,_Chile – (Click on the link for the full history)



Evening: Dinner in Santiago

Cuper & Co Restaurant Bar advertises itself as being a gastronomic and meeting space. They are known for their dynamic fresh menu which makes use of plenty raw ingredients. They are known of their organic salads, incredible meats and pastas. They also have wonderful cocktails and great wine selection.



Thursday 8th June:

Very early morning depart by coach to Los Pelambres Mine. This will be a full day's visit.

The **Los Pelambres Mine** is a large copper mine located in the central-northern of Chile in Coquimbo Region. Los Pelambres represents one of the largest copper reserves in Chile and in the world having estimated reserves of 4.9 billion tonnes of ore grading 0.65% copper. The mine was first recognized by William Burford Braden in 1920. One of the largest copper deposits in the world, production in 2012 was forecasted at 390 tons of copper and 28,000 ounces of gold.

Ore is mined and ground at an elevation of 3,200m and then transported down the mountains along 13km conveyor for processing at 1,600m. Conveying 8700t/h ROM ore at 6m/s. 10 drive motors have an output of 2.5 MW each. The steep downward transport of the ore allows the electricity-generating motors to run as generators. The feeding of 25 MW into the network. Two gearless 13 MW ring motors for the ore mills



Evening: Dinner at Oporto Restaurant

Oporto Restaurant offers a menu based mainly on mature meats and premium fish. The restaurant has a lively sophisticated atmosphere.



Friday 9th June:

Full day of touring and exploring Santiago including a visit to San Cristobal Hill, Sky Costanera, the fish market etc...

The **Sanctuary of the Immaculate Conception on San Cristóbal Hill** is one of the principal places of worship for the Catholic Church of Chile, as well as being an icon of Santiago, Chile. The statue of the Immaculate Conception measures 14 meters tall, and the pedestal on which it rests, 8.3 meters. It weighs 36,610 kilograms.

On the pedestal there is a small chapel in which his holiness John Paul II prayed and blessed the city of Santiago on April 1, 1987. The statue is lit up at night by lights placed on its sides, allowing it to be viewed from all over Santiago both day and night.



After lunch check into hotel and have some time to relax, enjoy the fitness centre, swimming pool or take a walk.

The **Great Tower Santiago** is a skyscraper of 300 meters high. It is part of the Costanera Centre complex, which includes a shopping centre, two hotels and two office towers. It is the first building in the country to have express elevators, which can travel 60 meters in 7 seconds. It has 62 floors, positioning itself as the highest tower in Latin America and the fourth highest in the southern hemisphere. Sky Costanera is a gazebo and tourist attraction located on floors 61 and 62 of the tower. It was opened on August 11, 2015 and has a glazed observation platform on the 61st floor and open sky on 62, which allows the public to have a 360 ° view of Santiago. <http://www.skycostanera.cl/en/start/>



Evening: Presidential dinner in private dining area of **Aqui esta Coco** Restaurant.

Aqui esta Coco is a high-end Chilean restaurant well-frequented by both nationals and foreigners, where the chef's focus is mainly on seafood. Its different dining rooms, each carrying its own name, provide a distinguished vibe and atmosphere to whether patrons are seeking for a more lively ambient, a more reserved one or just an area suitable for a business lunch. The architecture of the building has been planned with an environment friendly concept in mind utilizing 40% of sustainable materials for the construction and decoration. **Aqui está Coco** has been impressing clients for many years with its beauty, gastronomy and professional service. The wine cellar on the ground floor houses an astounding list of organic, national and international vintages and varieties.



Saturday 10th June:

Morning at leisure to explore Santiago, do some shopping or enjoy the hotel facilities.

12H00 Transfer to airport for the flight home. JJ8027 departs at 15H50 for arrival in Sao Paulo at 20H40. Connect directly onto JJ8162 departing at 23H45.

Sunday 11th June:

Arrive back in Johannesburg at 13H50
