

## Bio Sketch Vinicius Mendes Ferreira

Bapak Vinicius Mendes Ferreira memiliki 24 tahun pengalaman dengan skala internasional di industri pertambangan dan metalurgi dengan beberapa bisnis pertambangan logam dan telah memegang berbagai posisi di bidang produksi, teknis, komersial, bisnis baru, dan bidang Litbang.

Dimulai sebagai *trainee engineer* pada tahun 1996, Bapak Ferreira berhasil memegang posisi sebagai *pellet plant production supervisor* di Anchieta ES dan sebagai *head of the beneficiation department* di Mariana MG dari tahun 2000 hingga 2001. Pada tahun berikutnya, Bapak Ferreira mendapatkan kesempatan pertama untuk bekerja dengan Vale S.A. melalui salah satu anak perusahaannya, Samarco Mineração, di mana Bapak Ferreira ditunjuk sebagai koordinator bidang pemasaran selama tiga tahun.



Pada awal 2007, Bapak Ferreira ditugaskan ke kantor Vale Shanghai dan bertindak sebagai *Market and Business Development Manager* di mana tanggung jawab Bapak Ferreira meliputi koordinasi pelaksanaan studi kelayakan untuk pabrik pelet di China dengan kapasitas antara 1 hingga 2,5 Mt/tahun dan memimpin negosiasi kontrak untuk pembuatan pelet usaha patungan (JV) di Anyang, China.

Setelah perjalanan yang sukses di China, Bapak Ferreira kembali ke Brasil pada tahun 2009 untuk bekerja sebagai *General Manager Bahia Ferro-Alloy Plant* di Vale Ferro Alloy Operation, Simões Filho. Setelah dua tahun, Bapak Ferreira ditunjuk sebagai *Chief Executive Officer of Vale, TecnoRed Desenvolvimento Tecnológico* di Pinda, Brasil hingga Januari 2017. Selama masa jabatannya, sebagai pemimpin perusahaan, Bapak Ferreira mengawasi tes Litbang di pabrik percontohan industri (dengan kapasitas 80 kt/tahun *pig iron*) dan negosiasi dengan calon investor untuk kemungkinan *spin-off* perusahaan untuk tahap proliferasi komersial teknologi. Sejak periode 2017 hingga pertengahan 2018, Bapak Ferreira menjabat sebagai Direktur Nikel di Vale Nickel Operation, Onça Puma - Ourilândia Do Norte, Brasil dan melanjutkan karirnya di posisi yang sama di Vale Copper Operation, South Hub – Canaa Dos Carajas, Brazil sampai sekarang. Saat ini, Bapak Ferreira bertanggung jawab atas operasi tembaga Sossego, dengan produksi tembaga sekitar 93 kt/tahun dan emas 3 ton/tahun dan memimpin sekitar 1.500 karyawan dan 600 kontraktor permanen.

Bapak Ferreira memperoleh gelar *Bachelor of Science* di bidang Teknik Pertambangan dari School of Mines - Federal University of Ouro Preto pada tahun 1995. Bapak Ferreira juga mengambil *Specialization Program in Quality Engineering (Certified Quality Engineer)* dari American Society for Quality pada tahun 1996. Bapak Ferreira memperoleh gelar Magisternya di beberapa universitas, termasuk gelar Master (MSc) di bidang Mineral Engineering dari School of Mines - Federal University of Ouro Preto pada tahun 2002, gelar MBA di bidang Pemasaran dari Getúlio Vargas Foundation - Vitória pada tahun 2004 dan terakhir gelar MBA di bidang Keuangan dan Akuntansi dari Getúlio Vargas Foundation - Taubaté. Bapak Ferreira juga memperoleh gelar Doktor (PhD) *Engineering in Ferrous Metallurgy* dari Central South University (CSU) - Changsha, Hunan, China pada tahun 2012.

*Mr. Vinicius Mendes Ferreira has 24 years' of international experience in the mining and metallurgical industry with several metal mining businesses and holding various positions in production, technical, commercial, new business and R&D areas.*

*Beginning a trainee engineer in 1996, Mr. Ferreira later held a position as pellet plant production supervisor of Anchieta ES and then as head of the beneficiation department of Mariana MG from 2000 until 2001. Following that, Mr. Ferreira made the first encounter with Vale S.A. through one of its subsidiaries, Samarco Mineração, where Mr. Ferreira was appointed as a marketing coordinator for three years.*

*In early 2007, Mr. Ferreira was assigned to the Vale Shanghai office and acted as the Market and Business Development Manager where Mr. Ferreira's responsibilities included coordinating the implementation of feasibility studies for a pellet plant in China with capacity between 1 to 2.5 Mt/year and leading the negotiation of contracts for the creation of joint venture pellet in Anyang, China.*

*After a successful journey in China, Mr. Ferreira returned to Brazil in 2009 to work as a General Manager of Bahia Ferro-Alloy Plant at Vale Ferro Alloy Operation, Simões Filho. After two years, Mr. Ferreira was appointed as the Chief Executive Officer of Vale, Tecnoed Desenvolvimento Tecnológico in Pinda, Brazil, holding the position until January 2017. During which, as the leader of the company, oversaw R&D tests in the industrial demonstration plant (with a capacity of 80kt/year of pig iron) and the negotiation with potential investors for a possible spin-off of the company for a commercial proliferation stage of the technology. From the period of 2017 until mid 2018, Mr. Ferreira served as the Nickel Director in Vale Nickel Operation, Onça Puma – Ourilândia Do Norte, Brazil and then served in a similar position with Vale Copper Operation, South Hub – Canaa Dos Carajas, Brazil, where he has remained until the present day. Currently, Mr. Ferreira is responsible for Sossego copper operation, with production of around 93 kt/year of copper contained and 3 tonnes/year of gold and leading approximately 1,500 employees and 600 permanent contractors.*

*Mr. Ferreira obtained his Bachelor of Science in Mining Engineering from School of Mines - Federal University of Ouro Preto in 1995. Mr. Ferreira also took a Specialization Program in Quality Engineering (Certified Quality Engineer) from the American Society for Quality in 1996. Mr. Ferreira obtained Master Degrees from several universities including a Master degree (MSc) in Mineral Engineering from School of Mines – Federal University of Ouro Preto in 2002, an MBA in Marketing from Getúlio Vargas Foundation - Vitória in 2004 and lastly an MBA in Finance and Accounting from Getúlio Vargas Foundation - Taubaté. Mr. Ferreira also obtained a Doctoral Degree (PhD) of Engineering in Ferrous Metallurgy from Central South University (CSU) - Changsha, Hunan, China in 2012.*