

MC365 METAL REFINERY INCORPORATED



Address: Arslanbey Organize Sanayi Bölgesi 8.Sokak No: 5 Kartepe/Kocaeli
Phone Number : +90 262 351 3410 Website: www.mc365.com.tr

Contact : Furkan Demirkiran – Team Leader
GSM: +90 507 045 1926
e-mail : Furkan.Demirkiran@mc365.com.tr



PROJECT SUMMARY AND CONTENT

The MC365 Metal Refinery was founded in 2016 with the support of KOSGEB to recycle precious metal-containing wastes. By joining Anatolian Pars Group, our company received an investment in the last quarter of 2017.

Our company aims to recycle electronic waste containing precious metals such as Gold, Silver, Platinum, Palladium, Rhodium, Copper and Aluminum and catalytic converter wastes by selling them through stock exchange valuation.

The industrial revolution that took place before the First World War, and the computer technology that developed after the Second World War, prompted us to use the natural resources of our world rapidly. In other words, humanbeing has indirectly increased with the development of technology its dependence on precious metals such as gold, silver, copper, aluminum, platinum, rhodium and cobalt. These metals are traded and limited reserves are extremely important and valuable metals. Technological advances and progress depends on these metals.

Gold, silver, palladium and copper are used for high conductivity and corrosion resistance properties in today's mobile phones and computer production. For example; It contains about 340 grams of gold, 3500 grams of silver, 100 grams of palladium and 180 kg of copper in a ton of mobile phone.

Therefore rather than throwing away our trash with precious metals in them, we should recycle and redound them to the circular economy. For the future of humanity, we have to gain as much precious metal as possible not by extracting them from mines but by recycling them.

As the team of MC365, we have been on working with platinum group metals for over five years. In this project we aim to establish a pilot plant in order to recycle scrap ewaste and catalytic converters, rather than exporting them. Our goal is to regain precious metals such as gold, silver, platinum, paladium, rhodium and copper to the national economy.

According to a report published by United Nations University in 2014, in 2014 mankind threw away 42 million tons of electronic waste thats worth estimated around 48 billion Euros. According to the same report, Turkey itseld threw away 503 thousand tons of electronic waste which is about 500 million Euros. Roughly %43 of ewaste from Turkey contains only precious metals (worth around 210 million euros) and rest contains not so precious waste like plastic, aluminum, steel etc.

There are only 7 companies in the world that recycles precious metals out of wastes. Unfortunately, there isn't any company in Turkey that does this. Only, companies that disassemblies electronic products exist in Turkey, and these companies give away the parts containing precious metals to recycling companies in Germany and Belgium.

According to a report published by Goldman Sachs in 2015, a famous US investment bank, in 20 years, mineable gold mine will be consumed. Following that, platinum, copper, nickel will be drained within 40 years too.

This situation proves that in the near future, we will face great problems with the suppliance of precious metals. When this is the case, as time goes by, the materials needed by the sector will require recycling and the sector will gain importance.

Our main output is precious metals. By law, the primary vendee of precious metals is Central Bank of T.R. If the Central Bank doesn't want to buy the metals, they can be sold to refining companies registered to Istanbul Gold Exchange.

OUR TEAM



Furkan Demirkiran
Metallurgical And
Materials Engineer



Çağrı Eyüboğlu
Metallurgical and
Materials Engineer



Esra Eken (PhD)
Machine Engineer



Batuhan Derinbay
Computer
Engineering



Elif Nur Avcı
Bioengineering



24 K GOLD