

# SELFRAG SMARTPHONE DISMANTLING SYSTEM

## Selfrag high voltage pulse power–advanced recycling solution for iPhones

- Recovery of intact smartphone components
- Removal of glued batteries
- Integration into traditional recycling processes or stand-alone solution
- Enables recirculation of materials into manufacturing process
- Industrialized solutions



*Coarse size processing for liberation of components and batteries*



*SELFRAG Recovery Equipment*



*Small size processing for liberation of precious metals & rare earth bearing elements*

With the SELFRAG technology, very short pulsed high voltage discharges applied to solid under water cause the smartphone to disaggregate along different material boundaries, inclusions or inhomogeneities. The highly selective fragmentation process of SELFRAG enables the recovery of intact polymers, non-ferrous parts, metals and rare earth bearing components of a smartphone; while avoiding the production of undesired dust. After sorting, the products can be brought back into the manufacturing process.

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**Committed investors, experienced management, worldwide installations**

Since 2007 the Swiss company SELFRAG has manufactured high voltage pulse power systems for various industries in different scales, from batch system up to multiple tons per hour. Key industrial installations are in the recycling business for treatment of incinerator bottom ash and high purity applications in the production of electronic grade silicon.



Over 40 installations worldwide



**Affentranger Associates**  
Lead Investor  
[www.aasa.com](http://www.aasa.com)



**Ammann Group**  
Investor  
[www.ammann.com](http://www.ammann.com)



Investors

**Anton Affentranger**  
Chairman



Anton has a broad international experience in various management positions and industries, including Head of Project Finance at UBS New York (Global Mining Projects), Member of the Executive Management Board of UBS, CEO of Lombard Odier Darier Hentsch, CFO of the Roche Group, CEO and Chairman of Implenia.

**Frédéric von der Weid**  
CEO



Frédéric has several years of experience in investment goods as entrepreneur in start-ups and SME's. He has also held several general management positions at ABB in Switzerland and Brazil. Frédéric holds a master degree in Electrical Engineering from EPFL with focus on High Voltage and an MBA from Duke University (North Carolina, USA).



**SELFRAG**  
HIGH VOLTAGE PULSE  
POWER FRAGMENTATION

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