

## More employment in Polígono Sur through 3D printing using recycled plastic

**LOCATION:** Sevilla

**DURATION:** 1'41"

**SUMMARY:** 3D Impact is a new co-op in one of Sevilla's most depressed areas in the city, Polígono Sur. They recycle plastic to convert it into filaments for 3D printers. In this way, whatever shape they create is automatically a recycled object. They are now working on a way to selectively collect plastic in order to give employment to people who have difficulties finding a job.

### VTR:

Sevilla's Polígono Sur is one of the most depressed areas of the city. In this plant they are developing an innovative project; to recycle plastic and convert it into filaments for 3D printers.

**JOSÉ MANUEL DE BEN**  
**3D Impact**

*"With this we can say that everything that is being fabricated with the 3D printer using our filaments is a recycled object."*

Recycle plastic to generate new objects without harming the environment: this is the goal of the 3D Impact. Rafael drops the granules into the part in the machine that transforms them into plastic. The process begins. The plastic melts at a high temperature and then is transformed.

**RAFAEL HUERTAS**  
**3D Impact**

*"It leaves through a small nozzle and from the nozzle is put into water to cool it. It goes from the tensor to the reel, always passing by a laser measurer that makes sure it is always the same size."*

Minutes later, the filament is made. The company, a co-op, was born in Polígono Sur, Seville, and this is an important fact.

**RAFAEL HUERTAS**  
**3D Impact**

*"You put 41013, Polígono Sur's zip code, in your resume, and they ask you where you are from. Letanías, Murillo, 624, and they tell you, pshh. And they back out a little."*

**JOSÉ MANUEL DE BEN**  
**3D Impact**

*"The selection, cleaning, crushing, etc. of the plastic. We want to use it to give employment to people who have trouble getting jobs."*

Now they are developing a system for selective collection in Seville as well as generating employment. In this area, the unemployment rate approaches 50%. In addition, every year the world throws 8 million tons of plastic into the ocean, a justification for this project.

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