*TREATSTOCK, TREATSTOCK, WORLDWIDE*



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| *Picture source https://www.treatstock.com/*  ***GENERAL INFORMATION*** | |  |
| **Project name** | Treatstock | |
| **DE type** | Production (DP), Design (DD) | |
| **Producer/provider** | Treatstock | |
| **Designer** | Tim Arno | |
| **Start (year)** | 2015 | |
| **State** | on-going | |
| **Project location** | Worldwide, based in Newark, Delaware, USA | |
| **Source of information** | [-](http://www.offgrid-electric.com/) | |
| **Link to videos** | [-](http://www.offgrid-electric.com/) | |
| **Main contact** | Tim Arno | |
| **E-mail** | support@treatstock.com | |
| **Website** | https://www.treatstock.com/ | |

***SYSTEM CHARACTERISTICS***

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| **SYSTEM CONFIGURATION:** |  |
| **Provider/s (role)** | Designers provide 3D model design  3D printer owners provide local 3D printing services. This can include small enterprises who provides 3D printing service as well as individual 3D printer owners  Treatstock provides service to connect 3D owners to users who wants to use 3D printers and service to connect designers who can design 3D models for print to the users who are seeking 3D models to print |
| **Customer/s (type)** | Consumers who need a 3D printed objects  Users (makers, designers, home users, businesses) who owns 3D printers and use service to access 3D files  Users (makers, designers, home users, businesses) who own or designs their own models and want to use the service for access to 3D printing |
| **S.PSS CHARACTERISTICS:** |  |
| **Unit of Satisfaction** | 3D printed products for consumers, 3D printed production and their sale for designers |
| **Type of S.PSS** | hybrid  providing final results– 3D printed objects  enabling platform – use of 3D printers |
| **Offered product/s (related producer/s)** |  |
| **Offered service/s** | Treatstock offers communication and access between 3D printers, designers and users who want to produce 3D printed products.  Designers offers 3D models and 3D printer owners offer 3D printing. |
| **Ownership of the offered product/s** | Designers owns the 3D models and the users owns the printed product |
| **DE access payment** | Pay for Design, use of 3D printer and material |
| **DE system configuration** | Decentralised Production, Decentralized Design |

***DESCRIPTION***

“Treatstock is a 3D printing network, where 3D designers and print services can come together to produce 3D printed products for people all over the world. The site unites both a 3D printing marketplace and an online platform for 3D printing services, allowing distributed manufacturing.” (Wikipedia)

Treatstock differs from similar services by combining both a marketplace of 3D models (similar to the service provided by “Pinshape”) and network of local 3D printers (similar to the service provided by “3D Hubs”). In this sense, what they offer to the consumers is the final outcome which is the physical 3D printed product. Someone who wants to get a 3D model printed can receive every services they need from Treatstock. It can be seen as a distributed network of design and manufacturing combined.

“Treatstock has two types of licenses for designers, free and commercial. This allows the owners of 3D models to choose whether their items will be uploaded for free or have a fixed price. In order to protect the intellectual property, technologies were implemented by using cloud service, so that no files can be downloaded to a personal computer. In this case, 3D printing is carried out via files in a cloud, a onetime access is allowed per each session of printing. Following these settings, each printed 3D model is bought separately each time it is used.” (Wikipedia)

3D Printer owners who want to offer 3D printing services, can add the features of your 3D printer, what materials are available in what colors, and what delivery or pick-up options they offer. For shipping, 3D printer owners can control the. There is also an option to offer local customers to pick the printed product up. Once the buyer approves of the work, the 3D printer gets paid for their services.

***SUSTAINABLE BENEFITS***

**Environmental Benefits**

*System life optimization – since the 3D printer owners can make their printers available to others and use more potential of their printer, this will encourage the users to purchase long lasting and high quality printers. This benefits environment by enabling more manufacturing with less printers that are also used for longer times.*

*Transportation/distribution reduction – It reduces transportation the service enables users with 3D printers to print locally in their house/office or at a nearby printing service.*

*Resource reduction – there is resource reduction by removing the necessity of packaging.*

**Socio-ethical Benefits**

*Improve employment/working conditions: the service enables designers to access consumers all around from any location giving them freedom for mobility.*

*Empower/enhance local resources – Since the service enables local manufacturing, it makes it more likely that the manufacturing can be made using local resources.*

**Economic Benefits**

*Profitability/added value for companies – the companies and individuals who provides 3D printing as well as 3D design can use the service and increase their profit.*

*Added value for customers – The customers can access to the final 3D printed product through combined services of 3D printing and 3D design marketplace provided by Treatstock.*