



PROJECT PRESENTATION

2022

PROBLEMS:

Construction companies actively use additive production and formwork, the cost of formwork reaches 35-54% of the cost of the product.

Every year, about 513 million tons of plastic enter the world's oceans, and land pollution is difficult to estimate, we only know that every year humanity produces about 380 million tons of plastic, which goes nowhere.

Plastic recycling is very important, but also requires costs, in particular for sorting, depending on the thickness, etc.



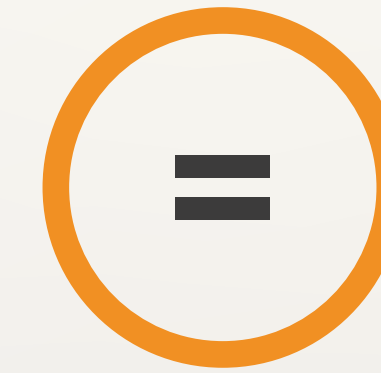
SOLUTION:



Plastic is an excellent raw material for 3D printing.



Production of plastic formwork with the help of 3D printing, will save construction costs and will help to create design, architectural features at once.



Printing not with sorted plastic, but only with crushed bottles, will help to get raw materials as quickly and cheaply as possible, and create the necessary things from garbage.



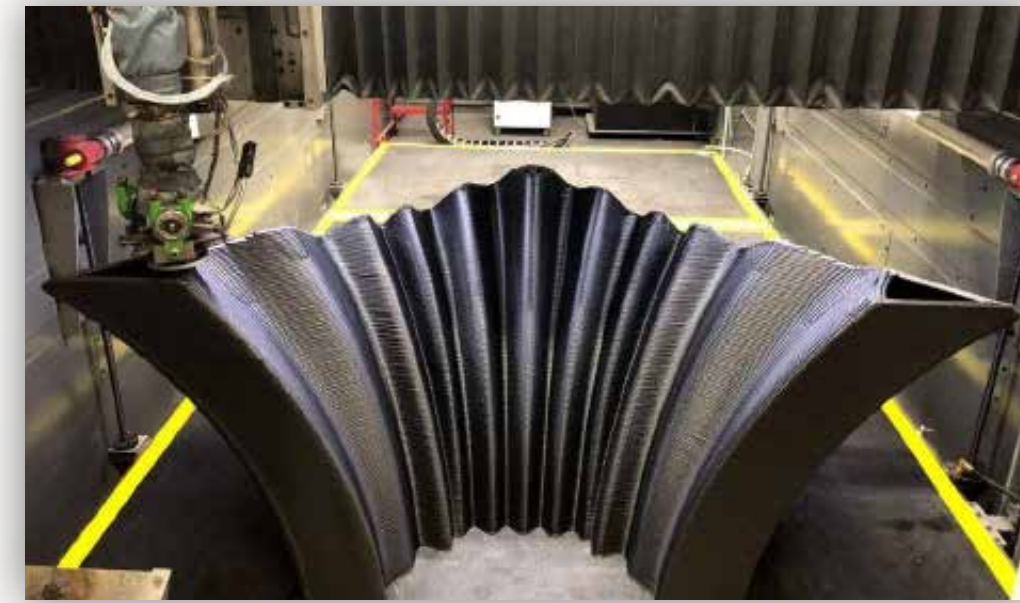


- We have developed a 3D extruder for plastic printing.
- Wrote software.
- Connect the shredder for plastic bottles and dryer.
- We print formwork of various shapes and design solutions!

TECHNOLOGIES



Developed and improved equipment with software for large 3D printing



A unique approach to the use of original plastic without sorting and granulation, ie printing with crushed plastic



The extruder has been improved, which will increase the speed and reduce the cost of printing



Robotics for production
Modeling and simulation

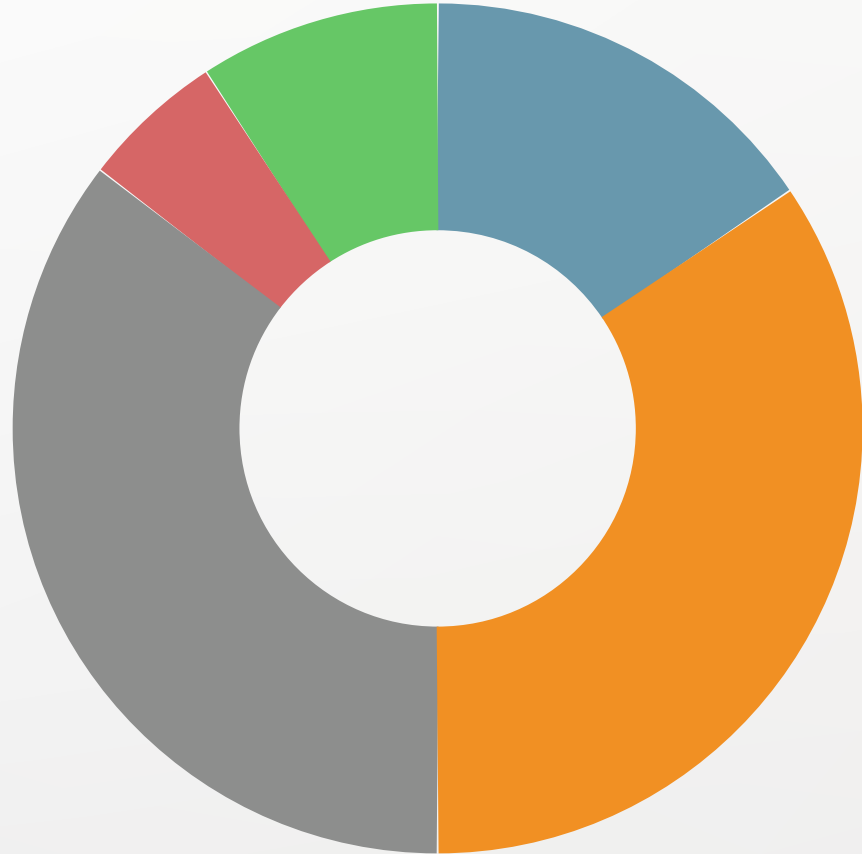


COMPETITORS AND ALTERNATIVES

Name	Daisy	Geoplast S.p.A.	BOFU	TECON	ADTO Group	Nova Formworks	MEVA
Region	Ukraine	Italy	China	China	China	India	Germany
Specialization	3D printer manufacturer	Manufacturer of plastic formwork	Manufacturer of plastic formwork	Manufacturer of plastic formwork	Manufacturer of plastic formwork	Manufacturer of plastic formwork	Manufacturer of plastic formwork
Plastic	Unsorted printing is possible	Recycle plastic	Recycled after use	Made of ABS or PP with fiberglass	Mostly aluminum	Recycling	Recycling
3D printing	+	-	-	-	-	-	-
Design	anything	Straight shields	Straight modules and column	Straight modules and column	Straight modules and column	column	Straight modules and column
Cost of formwork	only the cost of printing	from 335 euros per module	-	-	-	-	-

MARKET ANALYSIS

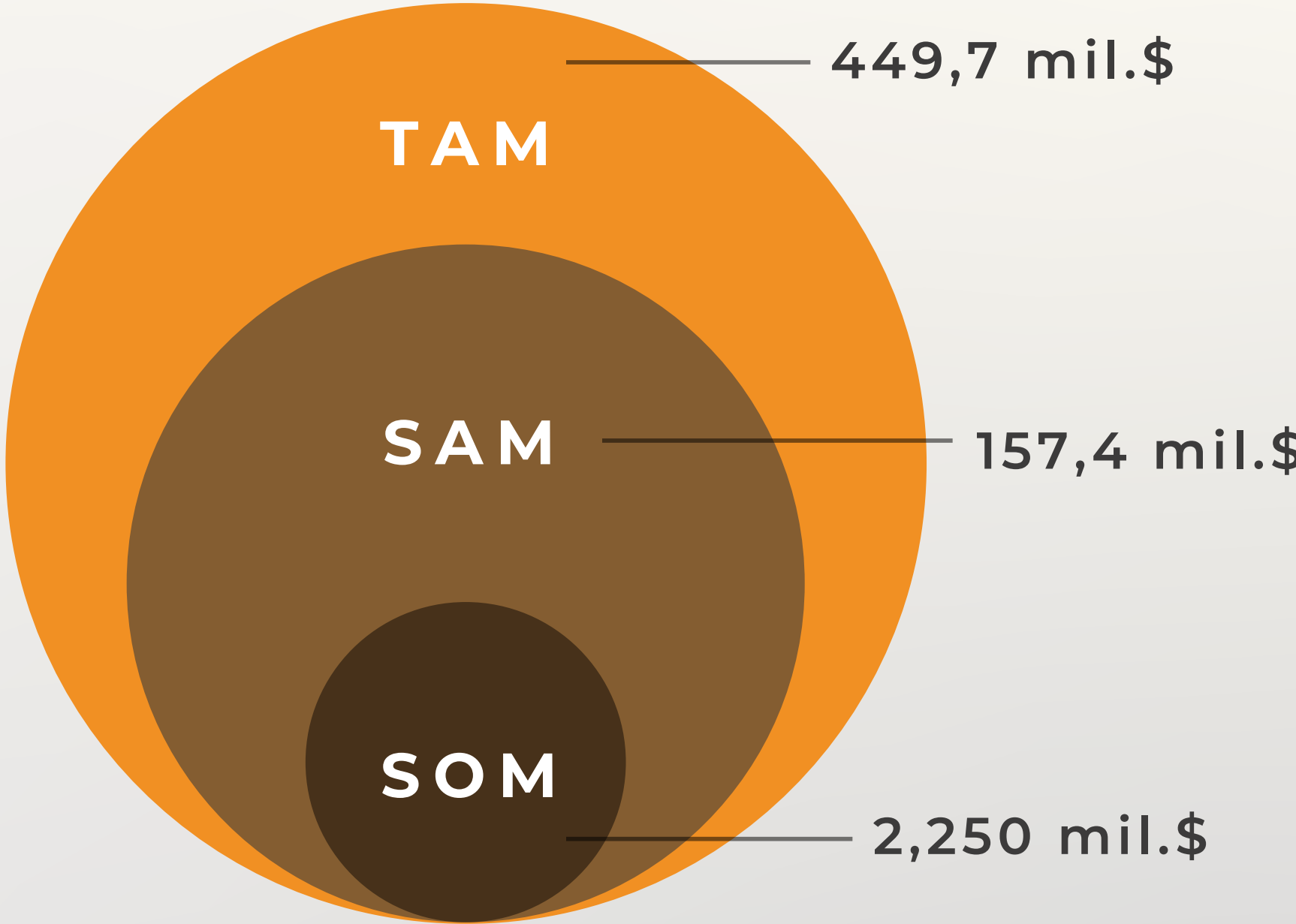
PLASTIC FORMWORK MARKET 2021-2031



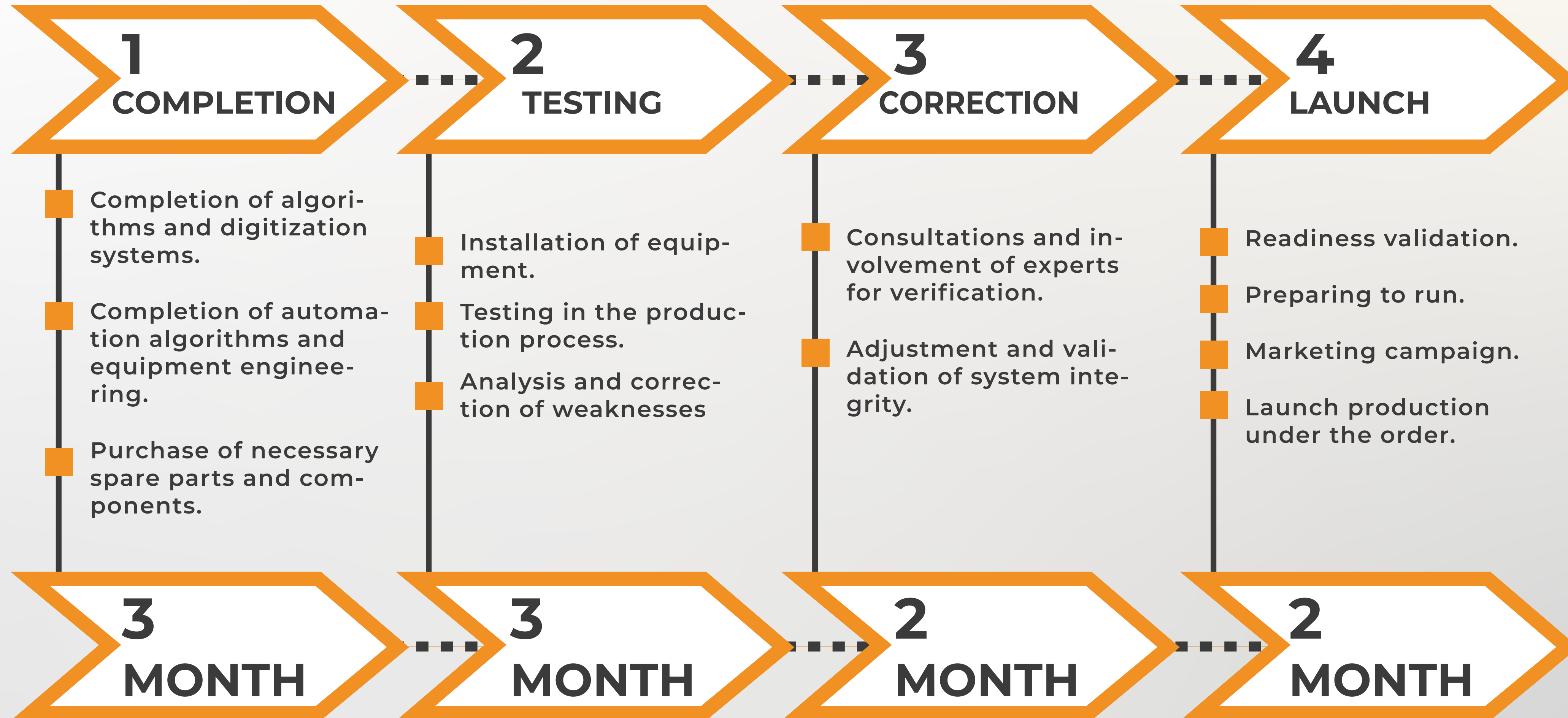
- NORTH AMERICA
- EUROPE
- ASIA-PACIFIC REGION
- LATIN AMERICA
- MIDDLE EAST AND AFRICA



MARKET SIZE



DEVELOPMENT PLAN WITH

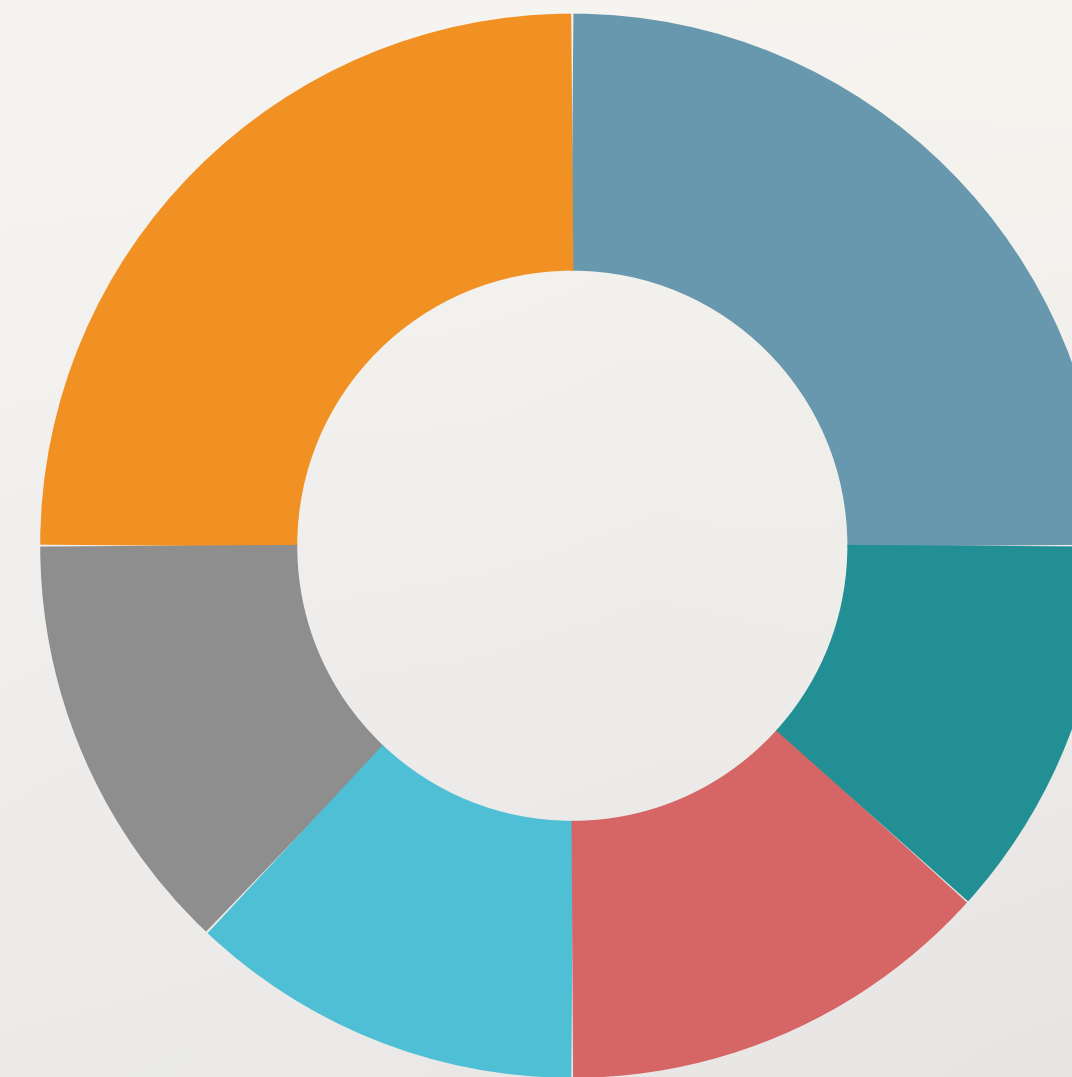


PROJECT BUDGET



PROJECT BUDGET FOR 10 MONTHS:

- Funded through BOWI 60,000 euros
- Own funds 57,700 euros.
- EUR 15,000 certificate for PIAP for the following services:
 - marketing company;
 - connections with profile Associations, clusters;
 - examination and preparation for certification in EU countries.



- SALARY
- DRYER
- SUBCONTRACT
- OVERHEAD
- BUSINESS TRIPS
- OTHER EXPENSES



TEAM



ZEIKAN EUGENE
CREATOR



SEMBER VICTORIA
ECONOMIST



KRAVCHENKO OLEXANDER
3D DESIGNER



PODOLIAK ZINOVII
CNC MACHINIST



IVAN KHROMEI
CAD ENGINEER

THANK YOU

