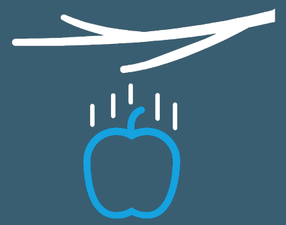

Phy-X / IOTA

Easy-to-use interaction simulation engine for the new discoveries

CONTACT US

team@phy-x.net

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AtaTeknokent No:74/322
25240/Erzurum
Turkey

Challange

The way to new scientific discoveries has a to be fixed. Because this current state make calculations difficult! The simulation logic need to be fixed.

Mission

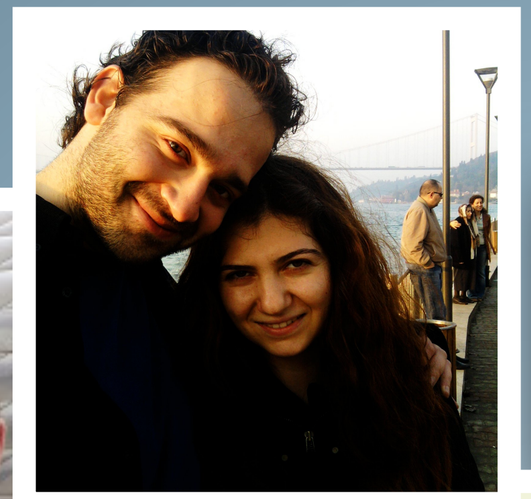
Creating a simulation application that can run on just a web browser and making scientific calculations easier. Because we need to simulate a human cell or an atom to go forward.

The Crew

Walk together, think differently.

CEO

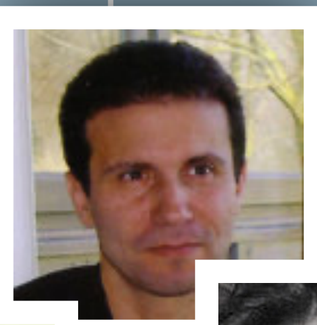
Özgür Fırat Özpolat, *PhD*

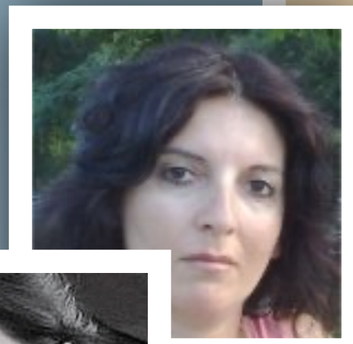


Medical Chemistry

Antonio Di Stefano, *PhD*

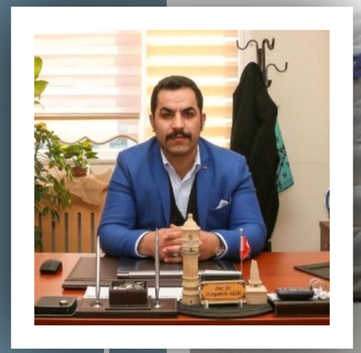
Ivana Cacciatore, *PhD*





CDO

Adil Mardinoglu, *PhD*

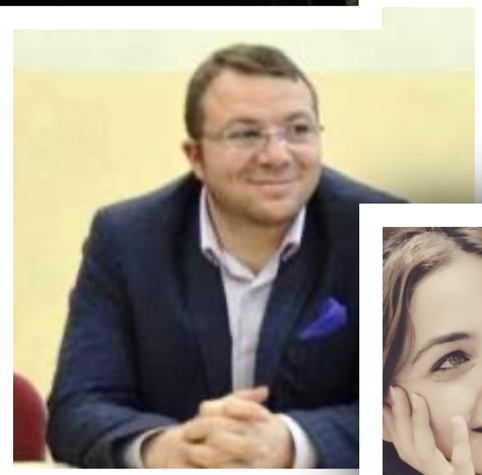


Physics

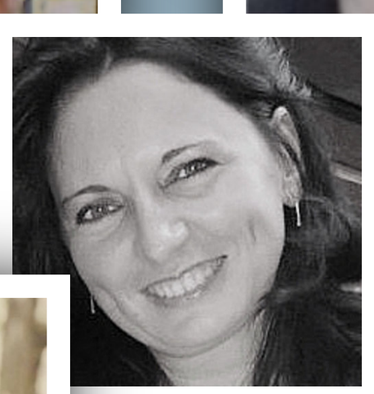
Bünyamin ALIM, *PhD*

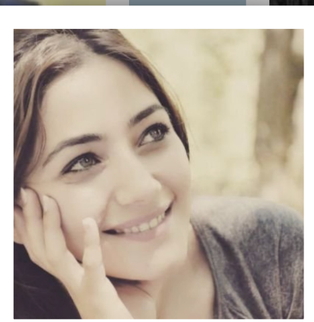
Erdem Şakar, *PhD*

Genetics



Hasan Türkez, *PhD*





Marketing

Pelin Öztercan, MSc*

Chemistry

Stamatia Vassiliou, *PhD*

Features on the Way

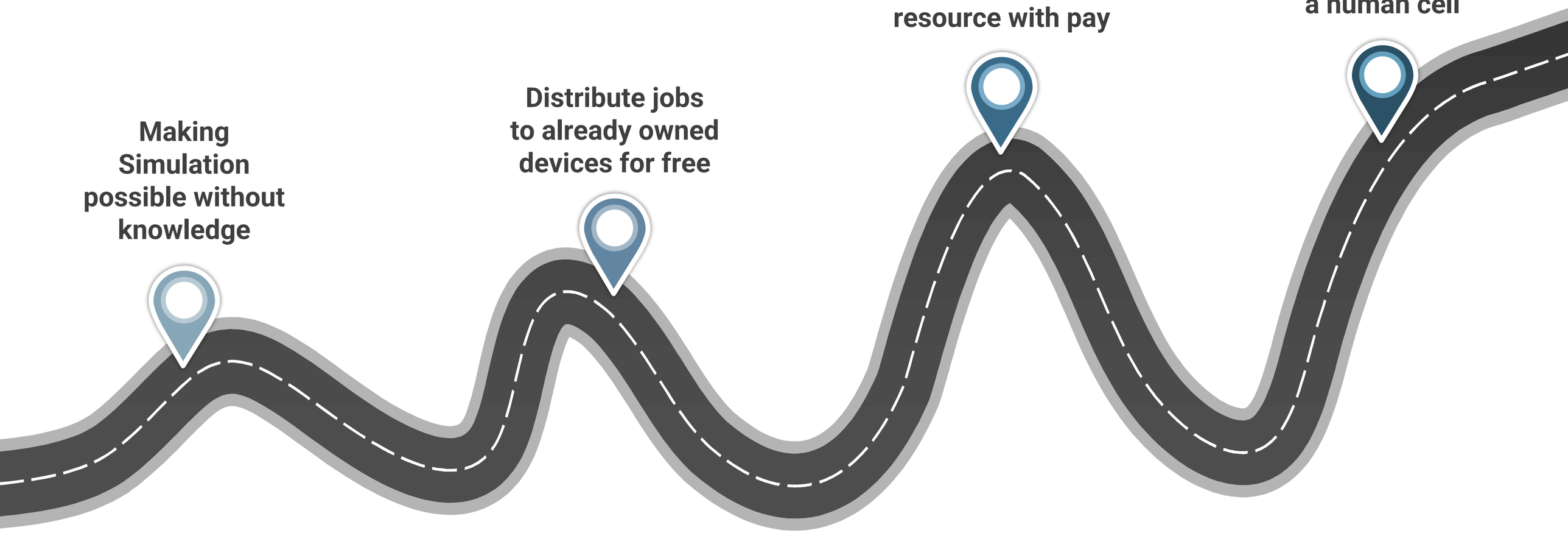
The Phy-X/IOTA project focuses on giving accessibility to everyone for making complex simulations with their already owned devices.

Making Simulation possible without knowledge

Distribute jobs to already owned devices for free

Supply additional resource with pay

Discover balance to make simulate a human cell



Making the Money

Every resource needs energy. So Phy-X/IOTA does not expand itself vertically which means it does not need to buy computers to make simulations.

who needs resources

everyone already has a lot of usable resources like smartphones or computers

who has empty resources

lease to the Phy-X to earn some extra resource time and help others to make a better world

supply extra resource

pick the most efficient resources from the previous section and hire to who needs

Current Market

Computational science is a very effective method because it saves sources and reduces the time to success!

Geant4

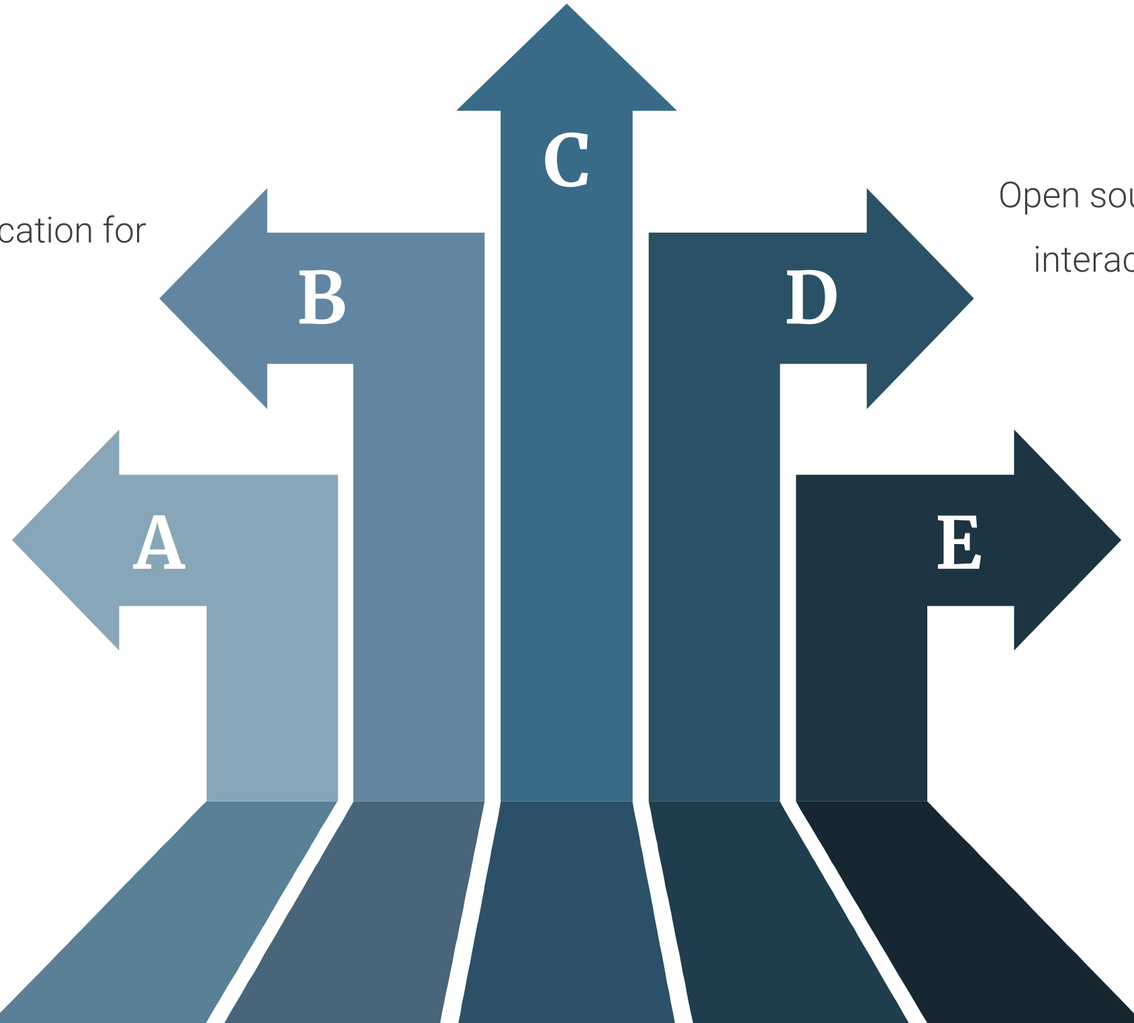
Powerful and open source simulation application

COMSOL

Paid simulation application for engineering

Fluka

Open source and can make interaction simulations



Maestro

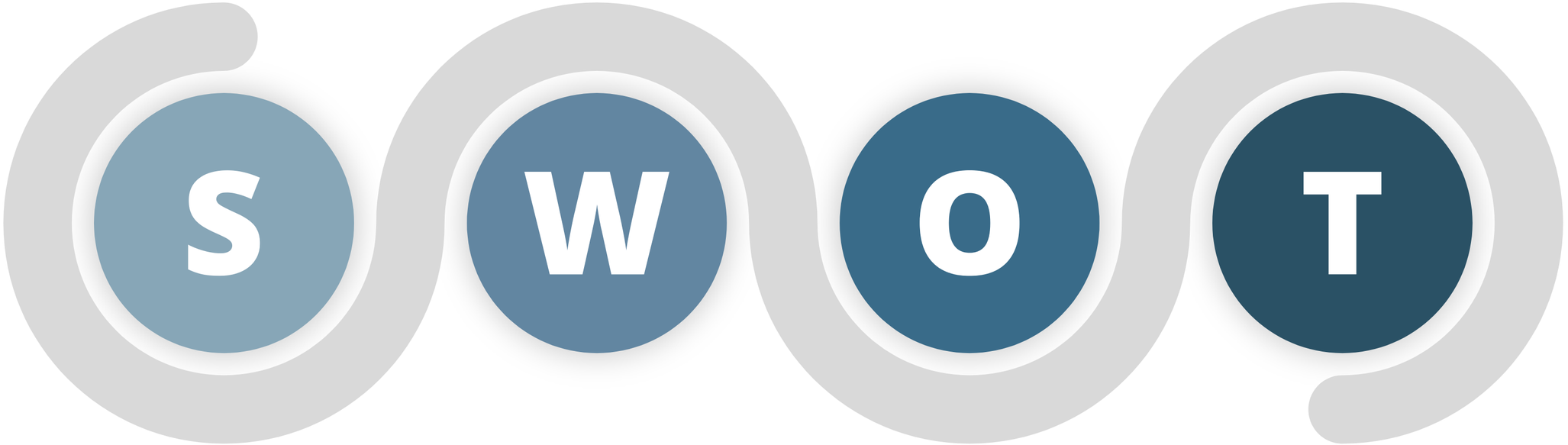
Paid simulation application for drug research

PhET

Online simulation platform for only education usage

SWOT Analysis

Every big success comes with big risks.



experinces

we already has a platform to build on it

bugs to be fixed

need more software engineers

we will lead

online simulation is a new born market

braveheart

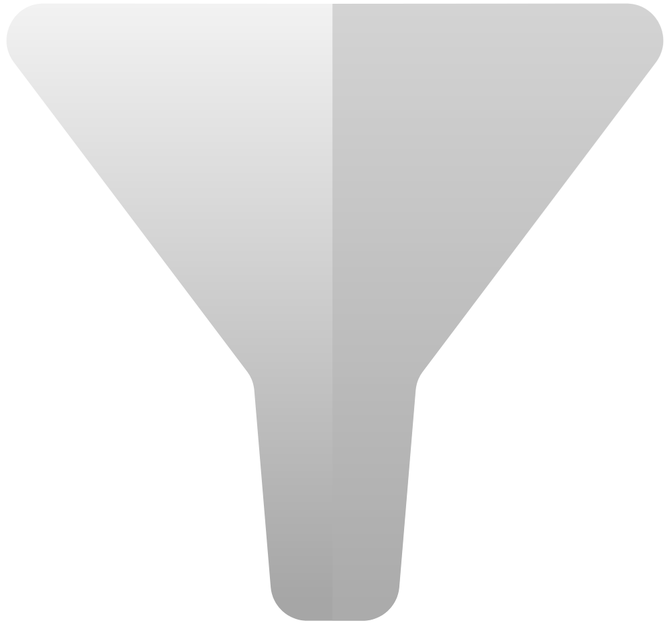
need to dive of deepest points science

Funding for Future

Saving resources to save green.

Spending money to owning computational resources

Spending time to learn a programming language



Use your already owned devices

for free and for everyone

50%

No need to learn irrelevant knowledge

it’s easy-to-use and user-friendly

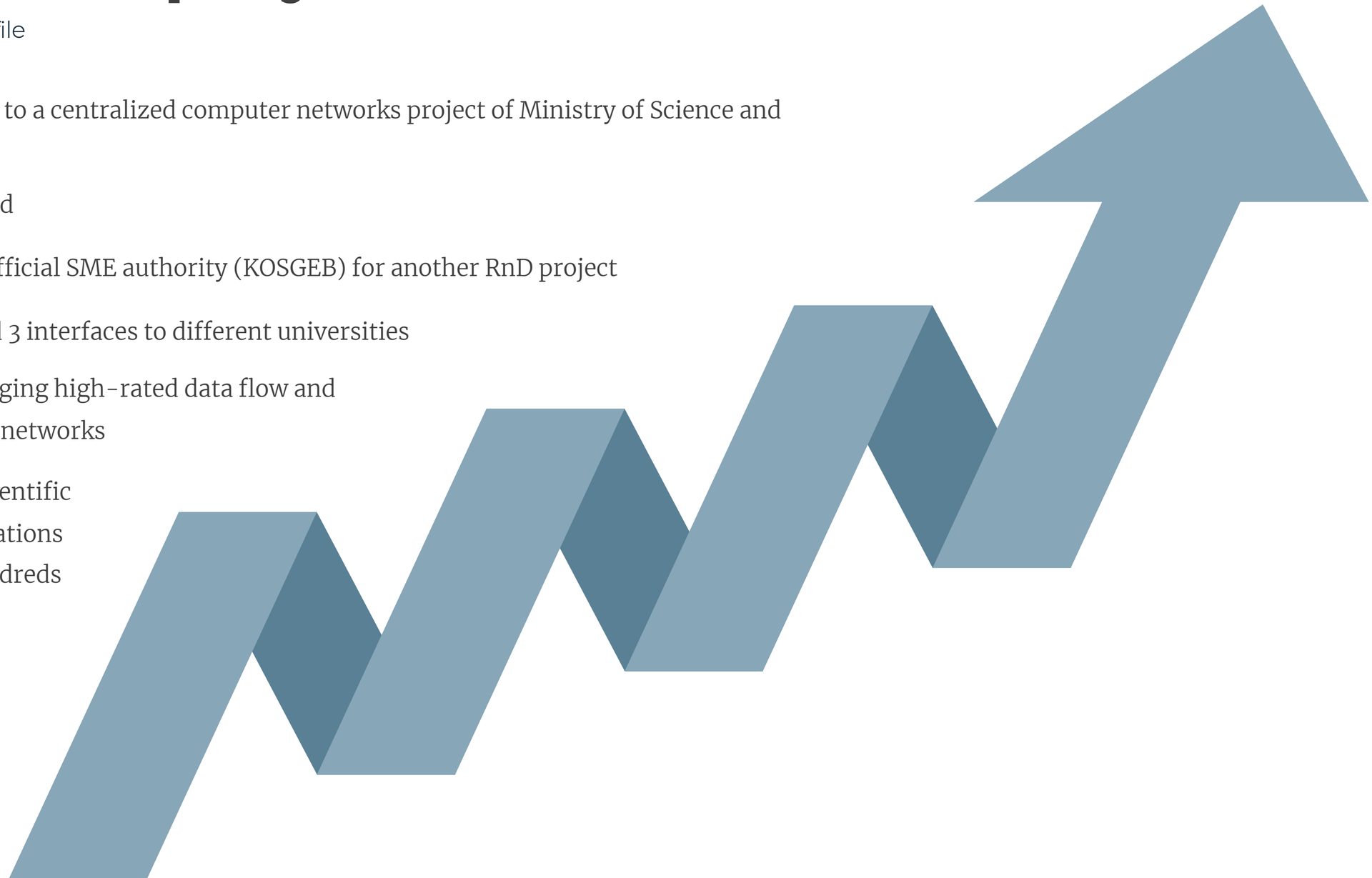
50%

IOTA

Meet the Company

Our company brief profile

- Opened with funding to a centralized computer networks project of Ministry of Science and Technology at 2015
- Got best project award
- Funded by the self-official SME authority (KOSGEB) for another RnD project
- Designed and applied 3 interfaces to different universities
- Experienced to managing high-rated data flow and security of computer networks
- Developed a lot of scientific and industrial applications which were used hundreds of million times.



Detailed Information

About Phy-X/IOTA Project

Our project is based on developing a physics engine simulation application for subatomic particle interactions to improve science quality and accessibility for all over the world. Because current web technology makes it possible to integrate high performance calculations (HPC) and user friendly human-computer interactions (HCI) by using only web browsers.

Aimed solution will be an online application product and it will be developed on the Phy-X platform which we developed 2 years ago and has users over the 42 countries.

The Phy-X/IOTA could be more understandable with two scenarios:
If the user is a mid-school student then “hydrogen molecule” which contains only 4 subatomic particles (2 protons and 2 electrons) interactions could be calculated with only one computer which student is using.

On the other hand if the user is a researcher who is a pro-level then a superconductive complex which contains a lot of elements could be calculated with more then one device which has only a web browser by visiting a web address or QR code.