



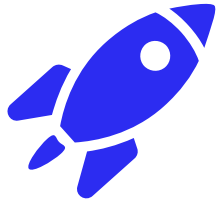
Invitation:

Industry 4.0 solutions to monitor and control waste and water use in Tunisian agri-food industries

Join the 10th *lab of tomorrow* process and co-create business solutions!

Date: 22-26 of March 2021

Apply now 



**We
invite
you:**

DEVELOP AND IMPLEMENT INDUSTRY 4.0 SOLUTIONS TO

support clean production in Tunisian agri-food industries

in cooperation with other key companies
& experts from the field



Grow your markets, product portfolio and create impact!

Why this challenge?

Problem and root cause:

- Tunisian agri-food industries suffer from high quantities of water use and liquid waste resulting in negative impacts on the environment and business performance
- This is caused by a lack of technical and / or human capacities for monitoring water use and liquid waste

Opportunities:

- Emerging technologies such as industry 4.0 show high potential in increasing the efficiency of agri-food industries



Better process performance & quality product

Better economic yield, ROI & export

Business solutions needed!



Our initial user-centered research identified **2 sub-challenges** with high potential for business solutions

1

How might we support cheese industries to monitor whey (liquid waste) parameters throughout the production process?

2

How might we support oil mill owners to monitor freshwater consumption and liquid waste?

<<How might we use Industry 4.0 solutions to monitor and control waste and water use in Tunisian agri-food industries?>>

Profit from:



COOPERATION WITH NEW PARTNERS

- work together with other entrepreneurially minded actors all committed to create sustainable business solutions in small interdisciplinary venture teams of 3-5
- extend your network among corporates, SMEs, and startups, as well as politicians and civil society from Tunisia and the EU



INSIGHTS FOR YOUR EMPLOYEES IN

- local markets & culture
- Design Thinking
- product development
- company building



STRONG DEVELOPMENT SUPPORT

- guided multi-day innovation sprint with expert coaching and mentoring
- 3-4 months incubation support with expert coaching and mentoring
- access to our network of investors



Implemented by



9
lot processes
completed

58
business
model
sketches

11
businesses
active in
market

7 Mio €
3rd party
investments

The *lab of tomorrow* – a proven process for business innovation

Nearly all of our participants report strong satisfaction. They

- ✓ Entered new markets
- ✓ Entered new partnerships
- ✓ Developed their staff
- ✓ Changed the way they worked

Past participants include:



Implementer of the *lab of tomorrow* - Who is the GIZ?

- We support the German Government in achieving its objectives in the field of **international cooperation for sustainable development**.
- As a **public-benefit federal enterprise** we uphold German and European values.
- For our clients and commissioning parties we are working with our partners on **more than 1,500 ongoing projects** in about **120 countries**.
- In Tunisia, we are currently implementing 14 projects as a key partner for the Government in implementing and operationalizing its **digital transformation strategy**.
- **Transforming Tunisia's industry** is essential to prepare the country's manufacturing companies to be part of the major shifts on global markets. This justifies the government's strong focus on promoting **I4.0** initiatives in Tunisia.

More than 200 clients and partners place their trust in the GIZ – a selection

- Federal Ministry for Economic Cooperation and Development (BMZ); Federal Foreign Office (AA); Federal Ministry of the Environment, Nature Conservation and Nuclear Safety (BMU)
- Bill & Melinda Gates Foundation
- European Union, UN agencies such as the World Health Organization and the Global Fund
- Companies from the private sector such as C&A, Tchibo, BMW Group, Unilever PLC



Implementers of the *lab of tomorrow* - Who are the partners?

- Since 2019, GIZ is helping to set up the **Digital Transformation Centre Tunisia** which is an ambitious program addressing a variety of Tunisia's current digital priorities.
- **Two Industry 4.0 centers** (Sousse, Sfax) operate under the initiative "Towards Industry 4.0 in Tunisia" launched by the GIZ in collaboration with the Ministry of Industry and SME.
- **Novation I4.0 Center in Sousse** and **Sfax I4.0 Center** are the first two competence centers in Tunisia dedicated to Industry 4.0. The centers' main mission is to support the digital transformation of Tunisian SMEs by offering different services: sensitization, qualification, orientation and implementation.
- **Fraunhofer IPA** (Stuttgart, Germany) assists the Tunisian Industry 4.0 centers on behalf of the GIZ by providing expertise and experience in SME-support around Industry 4.0 technologies.
- The lab of tomorrow process is facilitated by **Coworky**, a Tunisian Design Thinking consulting firm founded in 2016. Coworky is working with startups, multinationals, academic institutions, and nonprofits to bring this essential process into their organization.



work together .. win together

Success stories from previous lab of tomorrow challenges



More and better skilled staff for the Egyptian tourism sector



NO CAPACITY-BUILDING MEASURES IN THE EGYPTIAN TOURISM SECTOR



Digital medication stock management for healthcare providers



LACK OF ACCESS TO MEDICINES & DIAGNOSTICS IN KENYA



Commercial mobile fruit drying & processing units for farmers



POST-HARVEST LOSS & FOOD WASTE IN KENYA

The 10th lab of tomorrow process – and your role within



We are looking for you, if you...

Application deadline:
March 12th, 2021

Innovation Sprint:
March 22nd – 26th 2021

Apply now 

- can bring relevant expertise regarding Industry 4.0 business solutions applicable for the Tunisian agri-food sector
- have relevant products in your portfolio that might become part of new sustainable business solutions or other relevant resources for business solutions
- commit to driving the implementation of your emerging business solution with your time and resources after the Innovation Sprint
- can attend the 5 half-days online workshop to create a new sustainable business solution together with other entrepreneurially-minded experts



Join us for the 10th *lab of tomorrow* process!

For questions regarding the upcoming process, please don't hesitate to contact:

lot-tunisia@lab-of-tomorrow.com

Find more information on the website



Apply now 