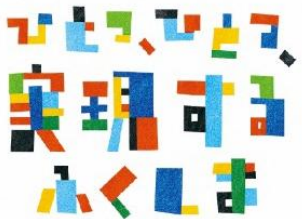


Overview of Industrial Technology Institute Fukushima Prefectural Government

(FY2025)

27 August 2026



福島県ハイテクプラザ
Industrial Technology Institute
Fukushima Prefectural Government

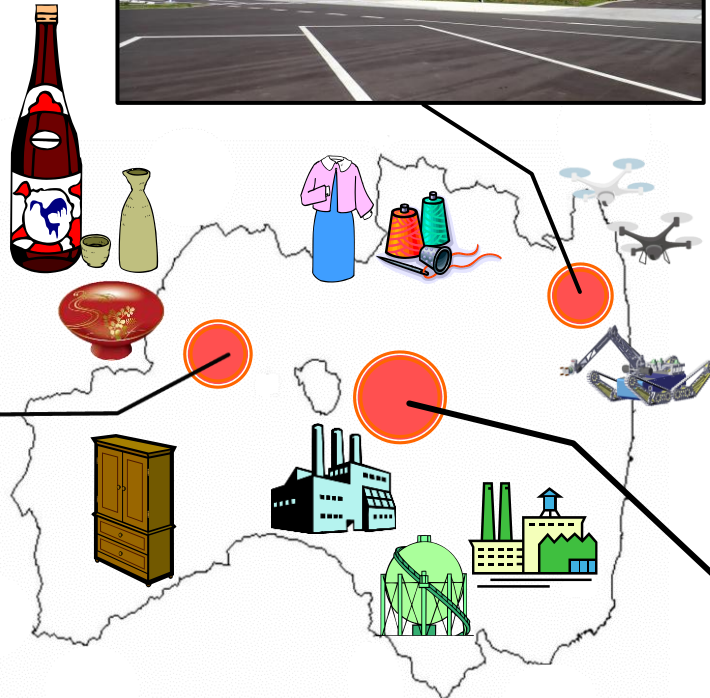
About Us

Industrial Technology Institute of the Fukushima Prefectural Government is a public testing and research institute established by Fukushima Prefecture to encourage industry in Fukushima.



**Minamisoma Technical
Support Centre**
Robot and Metal
Processing Technology

**Aizuwakamatsu Technical
Support Centre**
Sake, Food, and Traditional Craft



Koriyama Headquarters
General Industry



About Us (cont'd)

Industrial fields supported by the 3 Centres

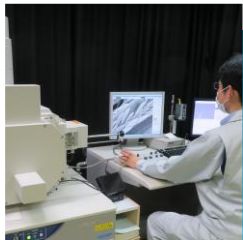
- Koriyama Headquarters: Wide range of industrial technology
- Minamisoma Centre: Robot and metal processing technology
- Aizuwakamatsu Centre: Local industry in each area

Materials Technology Department, Koriyama

Metals & Physical
Properties Division



Analysis & Chemistry
Division

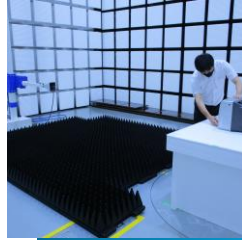


Textile & Polymer
Division

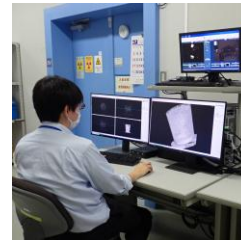


Electronics & Mechanical Technology Department, Koriyama

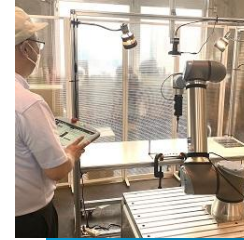
Electronics & Computer
Science Division



Machinery & Processing
Division

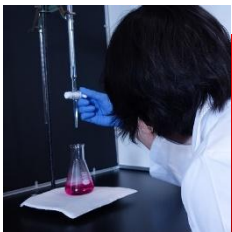


Robot & Control
System Division



Technical Support Centre, Aizuwakamatsu

Brewing & Food
Division



Industrial Art Division



Technical Support Centre, Minamisoma

Machinery Process Robot Division



Our Mission

Providing technical support to manufacturers in Fukushima



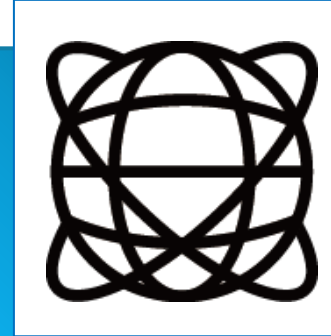
**Research and
Development**



**Technical
Consultation**



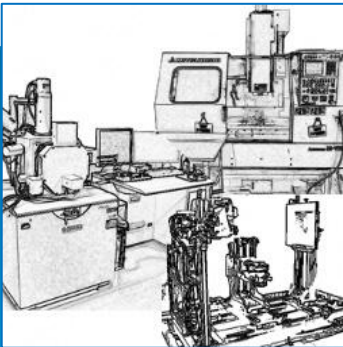
**Human Resource
Development**



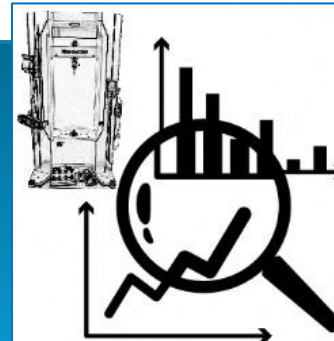
**Information
Provision**



**Equipment
Rental**



**Testing/
Analysis/
Measurement**



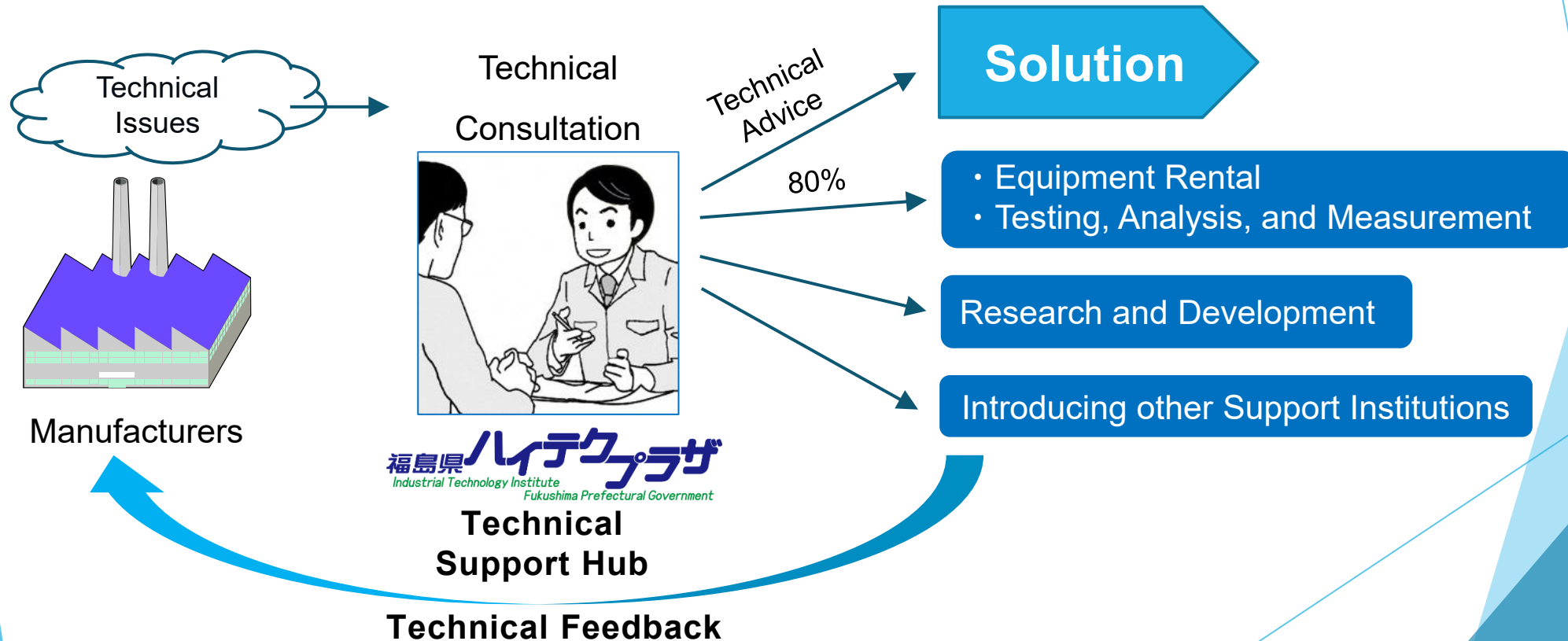
**Radioactivity
Measurement**

Technical Consultation (FY2025)

Providing guidance from skilled and knowledgeable staff for resolving manufacturing issues

Number of technical consultations:

Approx. 3,900/year

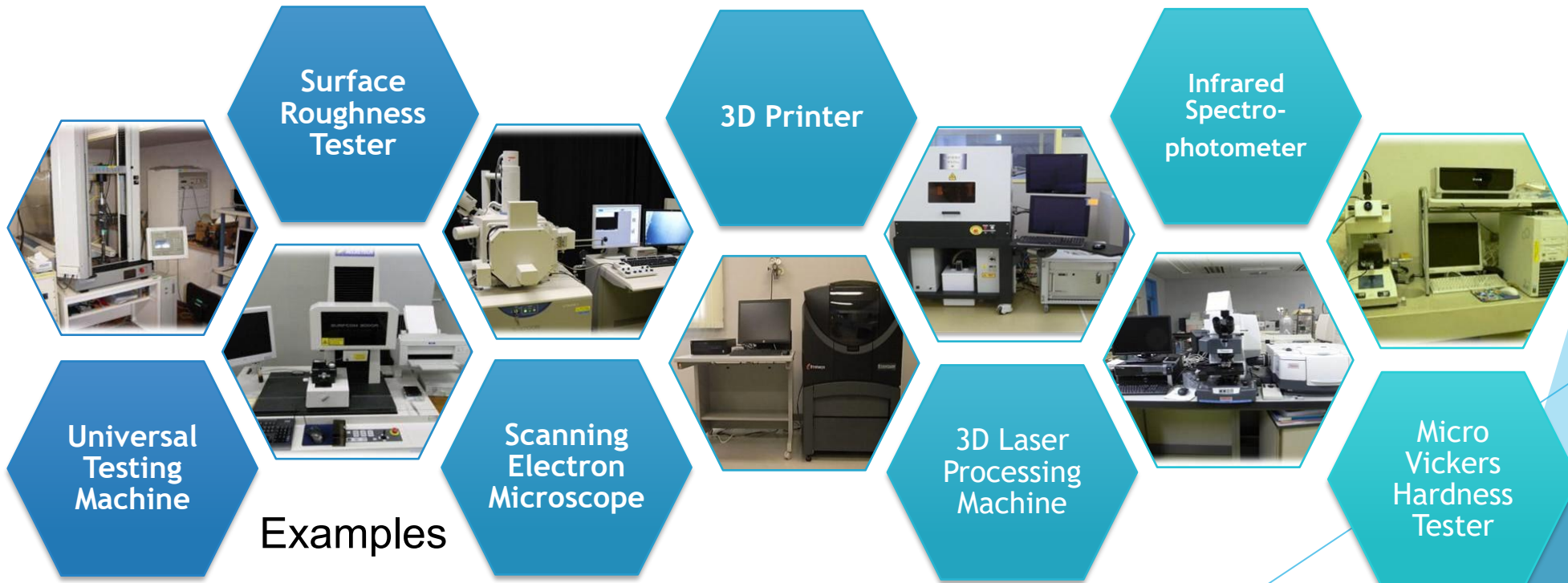


Testing/Equipment Rental (FY2025)

- Conducting testing and measurement on request
- Providing equipment rental

Number of testing: Approx. 2,000/year

Total time of equipment rental: Approx. 27,500 hours/year



Research and Development

Undertaking research and development based on manufacturer's requests

- Encompassing a wide range of research areas
- Conducting research and development in new areas aligned with Fukushima Prefecture's promotion priority areas as below

*The following pages feature three major research areas as examples

Renewable Energy

Robot

AI-IoT

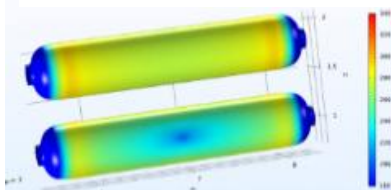
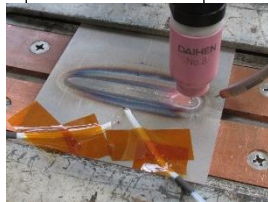
Aerospace

Medical Care

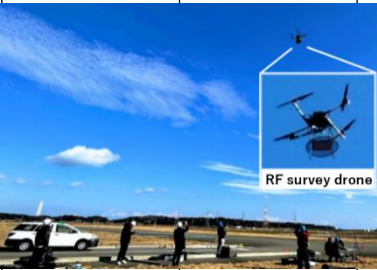
Local Industry

Nuclear Decommissioning

R&D Projects in Renewable Energy

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Hydrogen Energy				▶ Plant operation & maintenance technology for hydrogen station 			▶ Inspection technology for high pressure hydrogen tank 			▶ Establishment of evaluation technology for hydrogen and ammonia compatibility of metal components 	▶ Research regarding welding techniques for plant materials compatible with hydrogen and fuel ammonia	
									▶ Development of rapid durability evaluation and predictive maintenance for wind turbine blade			
Wind power						Examples of wind turbine blade erosion damage 					▶ Characterization of leading-edge erosion mechanisms and development of a unified evaluation method for wind turbine blade protective materials	

R&D Projects in Robotics

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
											
	 Autonomous weeding robot								Research to save labor in visual inspection by a collaborative robot		
		 In-pipe washing robot									
				Self-localisation system by GNSS and other sensors			Autonomous plant inspection robot				
											
							Prototype of drone demonstration machine equipped with robot vision technology				
											
										Survey of the electromagnetic environment in drone flight airspace and evaluation of drone electromagnetic resistance characteristics	

R&D Projects in AI and IoT field

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
		 Remote monitoring of garbage station									
			 Printing quality inspection by AI technology					 Research of wireless communication network tolerant to network disturbances for applying manufacturing site			
			 AI and IoT training facility								
										 IoT Demonstration research on sake production toward digitalizing manufacturing processes	
							 Support for the implementation of smart factories by the cooperation with humans, robots and AI.				

Radioactivity Measurement

On-request testing for processed food and industrial products to prevent harmful rumours



Measurement of Radioactivity

報告書 No. 〇〇-1
平成 23 年 4 月 〇 日

放射線量測定結果報告書

福島県株式会社 様
福島県ハイテクプラザ所長

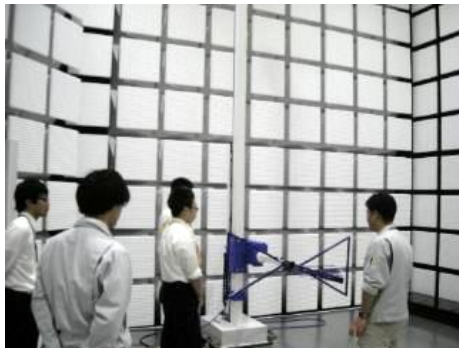
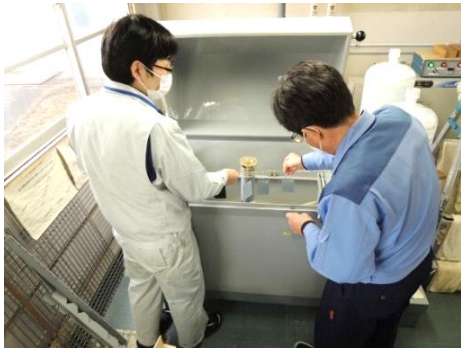
放射線量測定に係る結果は、下記のとおりです。

品名	スピーカー (寸法 (mm) 高さ × 幅 × 奥行 320 × 125)
測定器	GMサーベイメータ (ALOKA製) TGS-146B 校正年月日: 2010年6月7日
測定条件	・測定法: 直接測定法 ・測定数: 10 sec
結果	1. 測定値 (単位: cpm) 100 最大 110 最小 90 2. バックグラウンド (単位: cpm) 9.5 測定状況
備考	※この測定値は持ち込まれた製品に対する結果です。 測定場所: 福島県ハイテクプラザ 測定日: 平成23年4月 〇日

Radioactivity
Measurement Report

Human Resource Development

Providing training to manufacturers' employees on equipment usage and conducting technical seminars



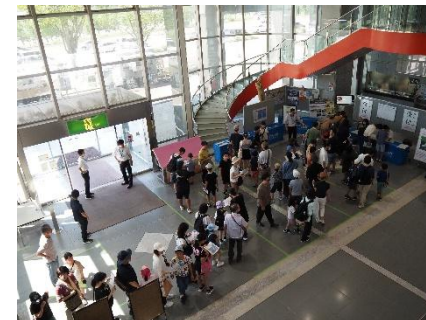
Education Program (for children)

Annual open house: 21 workshops to foster the joy of science this year

Date: 3 August 2025

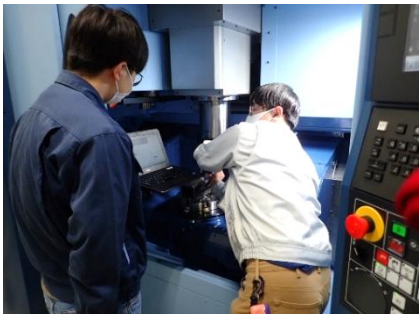
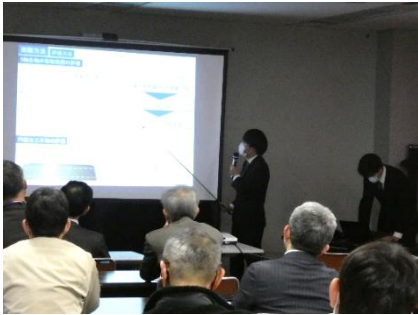
Workshop: ① Let's make an original figure!
② Microscope observation
③ Beat AI Game
④ Making original soy sauce
and more

Number of participants: 444

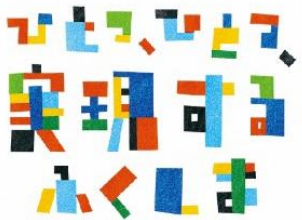


Education Program (for students)

- Workshop sessions for junior high/high school students introducing various professions in the industry and fostering future talent in Fukushima
- Technical seminars and collaborative research conducted with university students utilising our equipment resources



Thank you for your attention!



福島県ハイテクプラザ
Industrial Technology Institute
Fukushima Prefectural Government