

“A Companion for a Healthy Life”

HDT Co., Ltd.



062-431-7752
www.picohdt.com

For a X-ray Imaging

Regular X-ray is expensive, heavy and inefficient.

01



Price
~\$150,000

02



Weight
190 kg

03



Need a referral
or a transfer
(Shielded room)

A Portable X-ray System is

Regular X-ray is expensive,
heavy and inefficient.

01

Safe

Leakage dose: $0.248 \mu\text{Sv/hr}$

02

Deployable

2kg

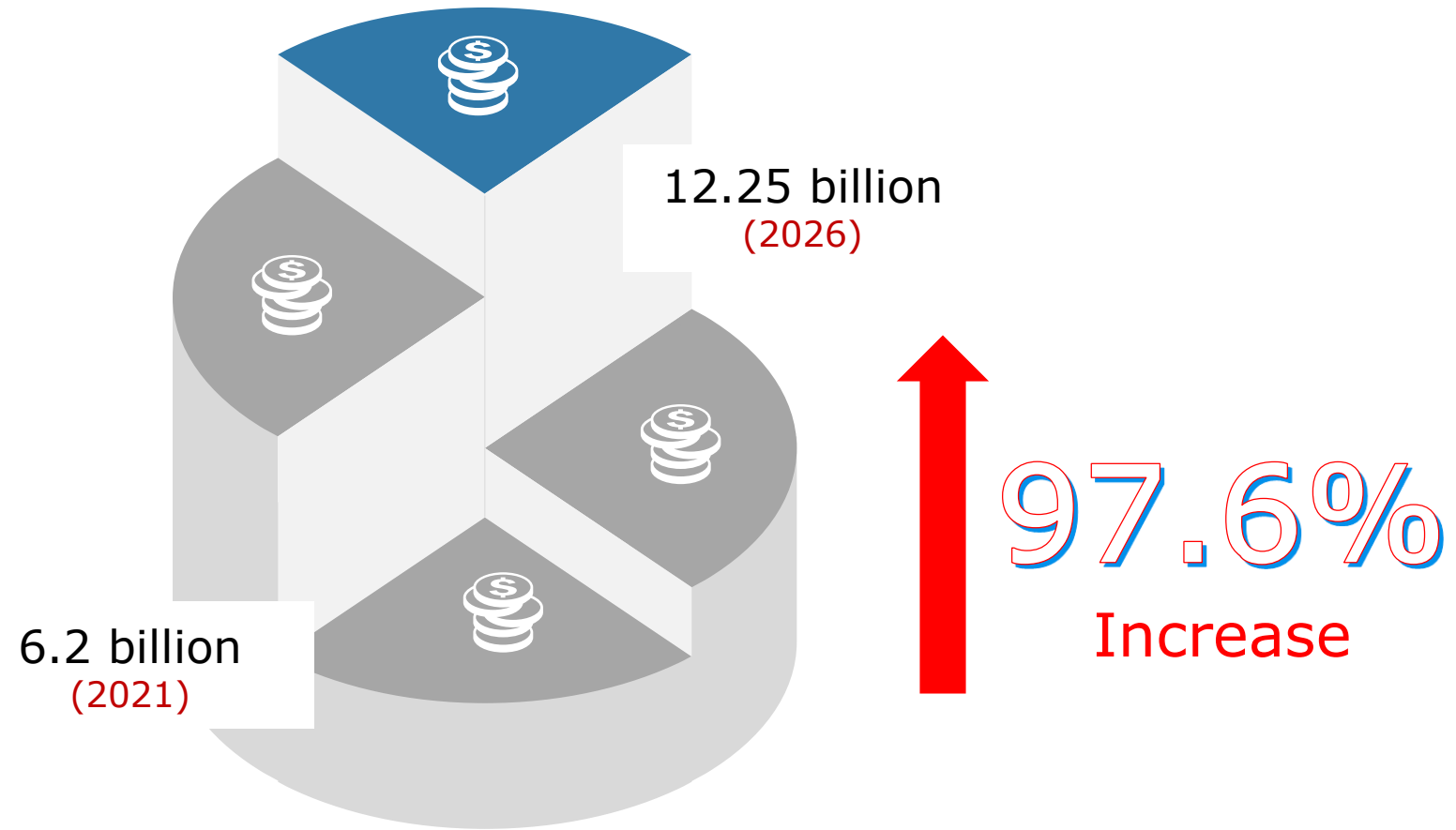
03

Cost-Effective

1/5 of cost



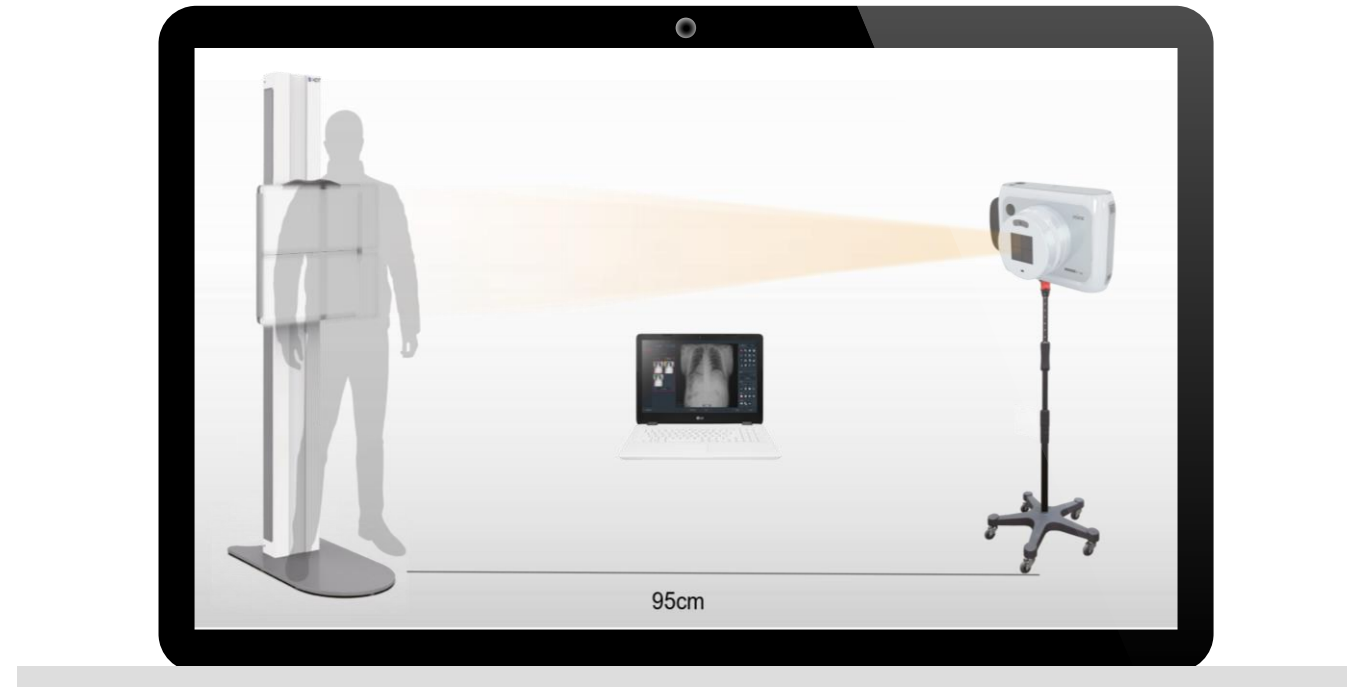
Market Trends For Portable X-ray "Demand for Innovative Device"



Market Data Forecast

Radiography Systems

Utilize small space



Simple, 5 minutes Procedure



Set-up



Position+Scan



Result

Portable VS Conventional

✚ Survey meter, 1 m away, from 4 sides

✚ 24 times less

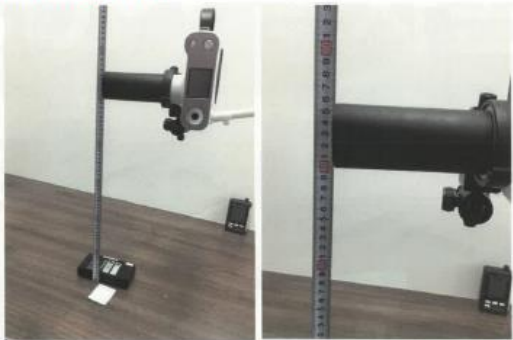
- Note

1) Leakage dose measurement results (Unit: $\mu\text{Sv/h}$)

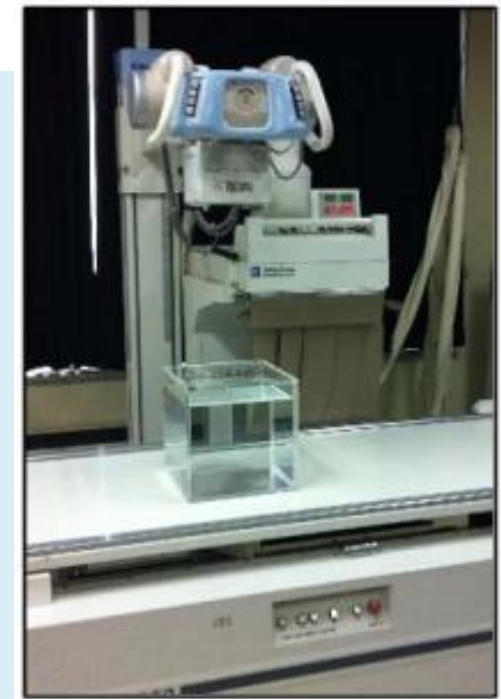
Measuring point	Top side	Right side	Left side	Bottom side
Results	0.365	0.203	0.209	0.215

- Result = Actual measurement value

2) Measurement photo documentation



0.248 $\mu\text{Sv/hr}$



5.969 $\mu\text{Sv/hr}$

Compulsory Legislation : Outdoor Operation Permitted

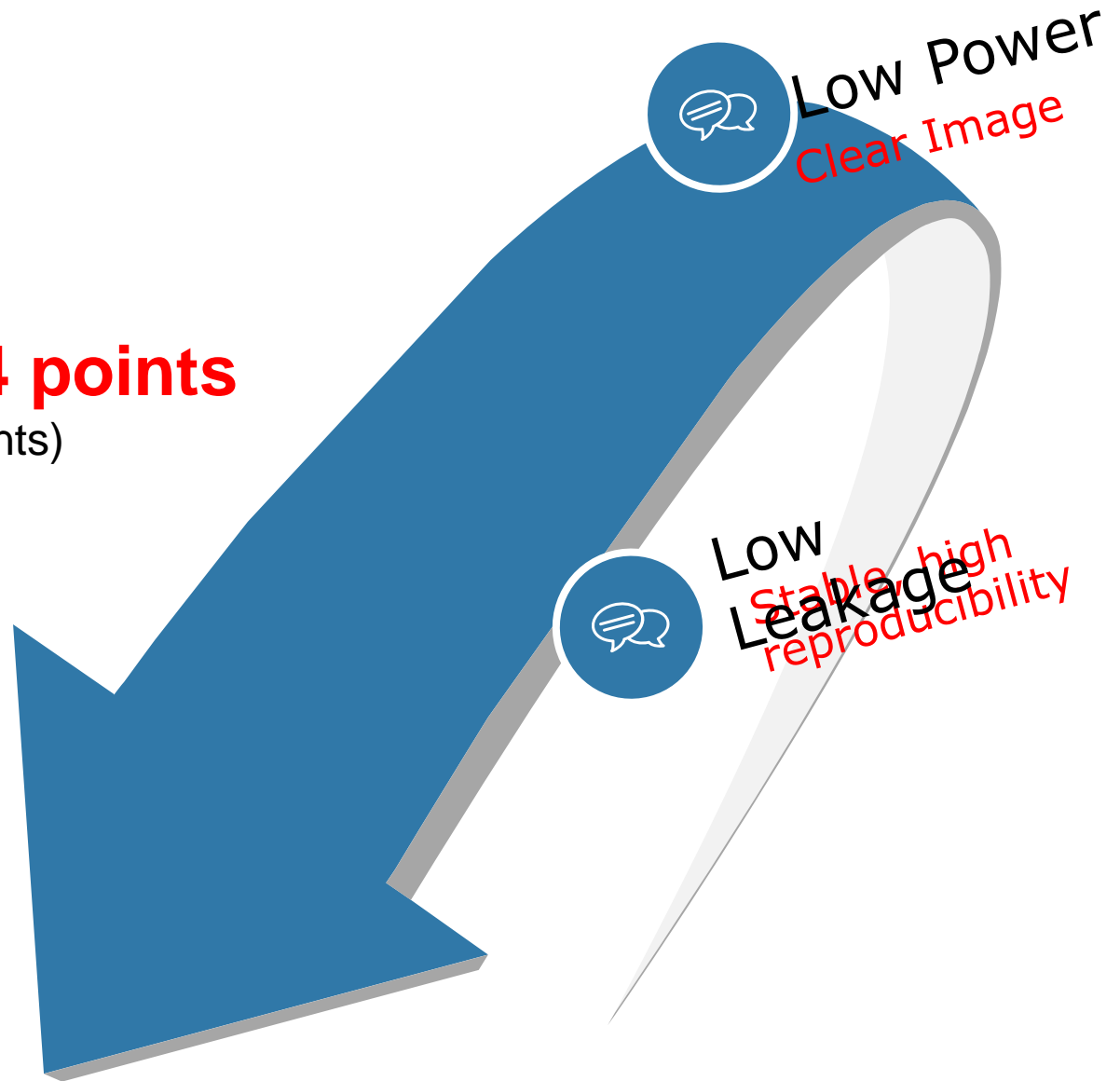
Safety and Performance
Approved by the Korea Government

■ Enforcement Regulation of the Law Covering Special Cases on Free Regulatory Special Zone and Specialized Regional Development Zone [Separate Form No. 9]

Temporary Permit

Permission No.: 2021-Gangwon-01	Permission Date: July 29, 2021	
Applicant	Company Name: HDT Co., Ltd.	Business Registration No.: 409-86-19369
	Address: 1860-5, Bangok-dong, Wonju-si, Gangwon-do	
	President Name: Oh Jun-Ho	TEL: 062-431-7752
Contents of Temporary Permit	Title: On-site medical service using portable X-ray diagnostic system	
	Period of Validity: Aug. 09, 2021 ~ Aug. 08, 2023	
	* Main contents	
	① On-site medical service using portable X-ray diagnostic system - Portable X-ray image service using X-ray diagnostic device outside the medical institution in areas where a mobile physical examination vehicle cannot access, such as a remote area and an island, or in accordance with each subparagraph of Article 33, Paragraph 1 of the Medical Act (excluding home care under subparagraph 4)	
	Conditions	
③ On-site medical service using portable X-ray diagnostic system - Only doctors, dentists, radiologists, and dental hygienists are allowed to use and handle the portable X-rays device in a place other than the medical institution while using a temporary partition and a protecting lead clothes. * Radiologist and dental hygienist shall perform their duties under the guidance of a doctor or a dentist in accordance with the 「Medical Technician Act」 - Install the portable X-ray protection partition for medical treatment, but the radiation leakage amount measured in the outside of the protection partition shall be limited to less than $2.58 \times 10^{-6} \text{C/kg}$ (10mR per week) per week. - Image interpretation shall be conducted in cooperation with a doctor in a remote place. - Other provisions of the 「Medical Act」 and related laws such as 「Act on Medical Technicians, Etc.」 must be observed. ② (Common Conditions) The business operator shall faithfully respond to a request for submission of related documents and a request for attendance and statement of the relevant persons in accordance with a request of the Minister of SMEs and Startups, etc. for project management and supervision and in addition the business operator shall report a safety accident and compensation for damages, etc.		
The Ministry issues the Temporary Permit in accordance with Article 90, Paragraph 5 of the 「Law Covering Special Cases on Free Regulatory Special Zone and Specialized Regional Development Zone」, the proviso to Paragraph 8 of the same Article, and Paragraph 7 • Paragraph 10 of Article 64 of the Enforcement Regulation of the same law.		
		Aug. 05, 2021
		Minister of SMEs and Startups (seal affixed)

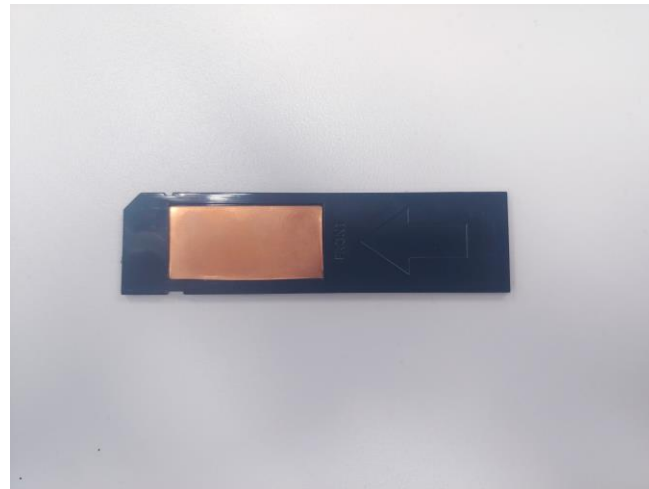
Reading Score: 76.4 points
(Standard Score: 60 points)



Features for Safety

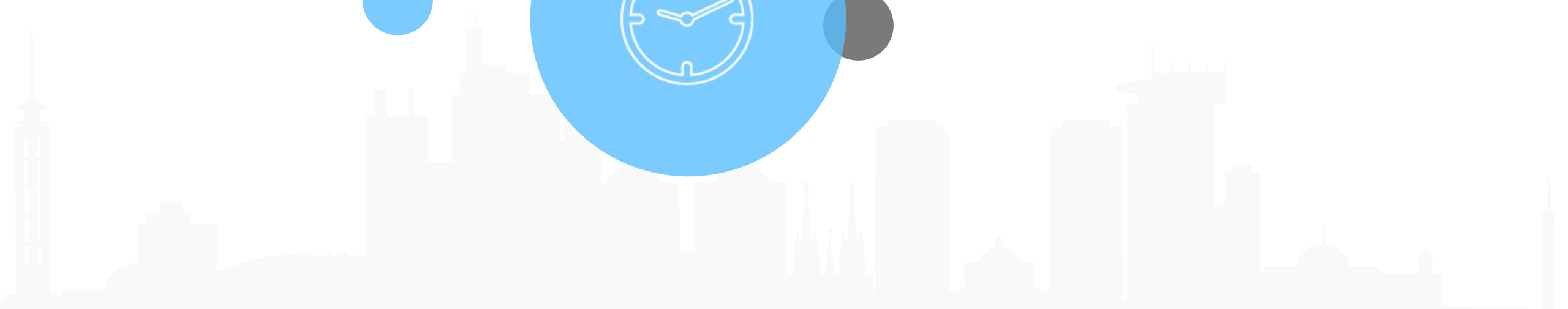
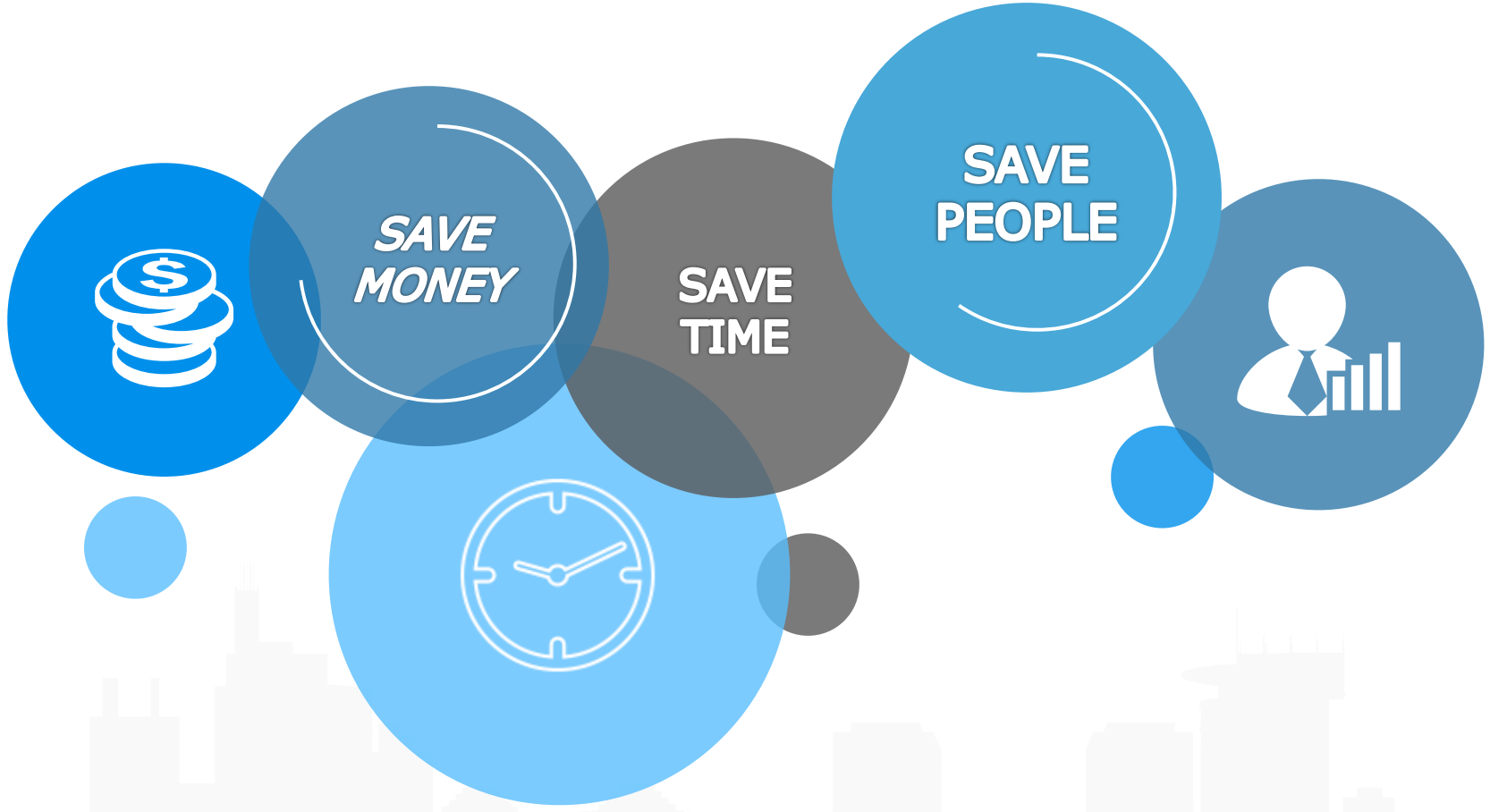


Distance Measuring Sensor;
Only Activated when
the distance between the
generator and target is further
than 40cm

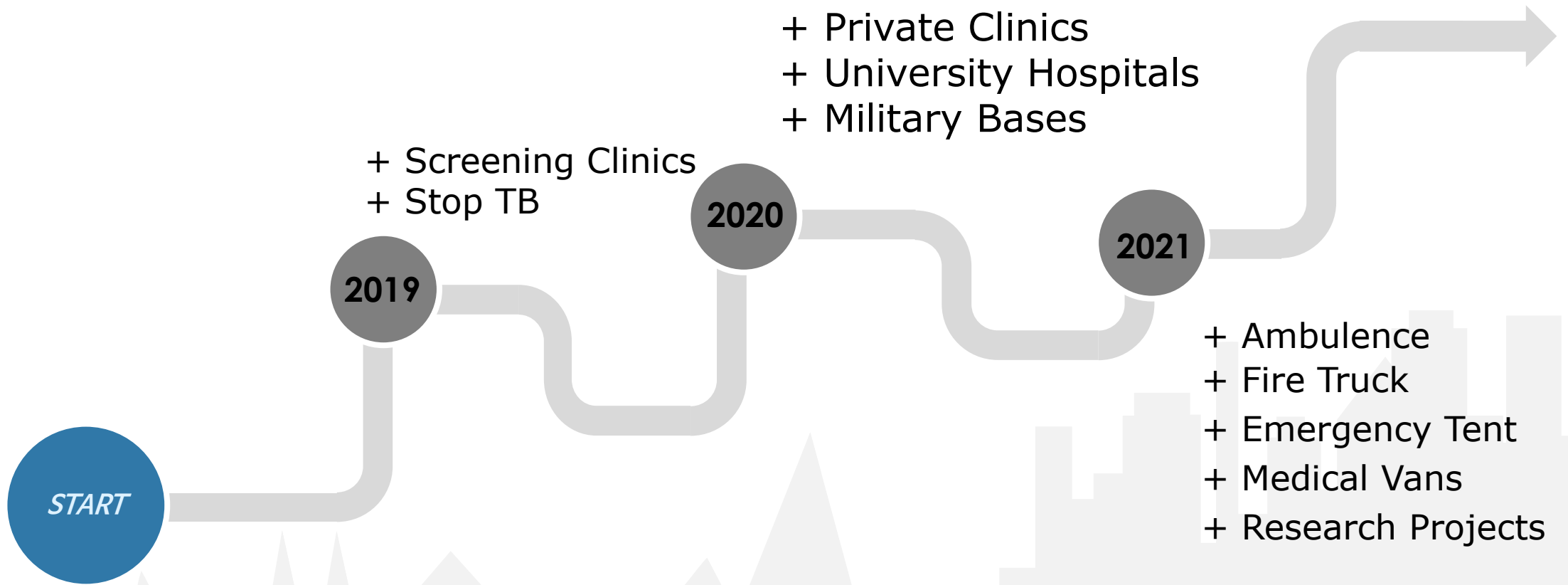


Real time monitor for accuracy

Additional Copper Filter for
Pediatric Use



Market Expansion



Strength



10 years of Experience of manufacturing Portable X-ray Generator



Image Processing Techniques



The Only Product recognized by the government



Strong R&D Team



Optimized AI Software based on X-ray images acquired using MINE only



Approved performance and stability by a certified Association for Radiation Protection

