

World Leaders in Mixed Reality
Hardware & Software Solutions.

AjnaLens

Our Products



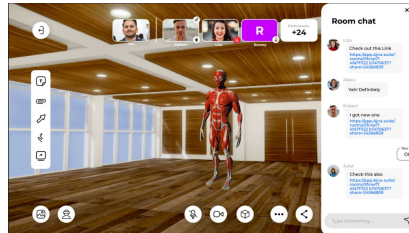
AjnaBolt
Defence & Homeland Security.



AjnaLite 2
Training & Skillling



AjnaX
Cross Industry applications



AjnaSuite
XR application to enhance work.

AjnaXR Station
Phyigital Training & Skillling

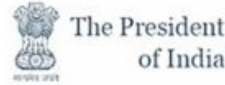


Creating Employment Opportunities



Hired Female Students at ITIs For Product Assembly

Our Customers



+ More

Awards and Recognition





When we say we serve the nation, we mean it.



Ajay Kumar @drajaykumar_ias · Feb 12

Best wishes for your efforts. Companies like yours are driving innovation in India. Great to see your work @ajnalens during @India_iDEX event at @AeroIndiaShow 2021!



AjnaLens @ajnalens · Feb 5

It was an honour to have Shri Ajay Kumar @drajaykumar_ias, Secretary, @DefenceMinIndia experience our mixed reality glasses this afternoon at #AeroIndia2021.
#AatmanirbharBharat
#VocalForLocal #AeroIndia2021
#SurakshitBharat



Nawab Malik نواب ملک Retweeted



AjnaLens @ajnalens · Dec 21, 2020

[Exciting Update] Today our CEO, @Pankajraut_met @nawabmalikncp to discuss about improving training at ITI's, creating more jobs & skilled workforce in the state. We are thrilled to see the Govt's keen interest in using advanced technologies for their Skill Development Mission.



12



83



Harsh Goenka @hvgoenka

Smart glasses for Covid times using AI, VR and thermal scanning. #MakeinIndia #CoronaInnovation



12:58 PM · Jun 6, 2020 · Twitter for iPhone

130 Retweets 16 Quote Tweets 419 Likes

Empowering students



Ajnalens is creating impact by supporting ITI students to develop the necessary skills to get jobs and earn a livelihood for their families.

Current Training Challenges

Huge demand for skilling, re-skilling, up-skilling due to fast changing technology: PM Modi

PTI • Last Updated: Jul 15, 2021, 04:02 PM IST

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Synopsis

"Learning should not stop with earning. Only a skilled person will thrive in the new world. This is applicable to both people and countries," Modi said while addressing stakeholders to continuously skill, re-skill and up-skill.

ThePrint



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Skill development is the foundation for Atmanirbhar Bharat: PM Narendra Modi

Emphasising on development, PM Modi on Thursday said there is a huge demand for skilling and up-skilling of youth to be expedited as technology is changing rapidly. He said the development of the nation is a national need and the government is committed to Atmanirbhar Bharat.

Speaking on the occasion of the [World Youth Skill Day](#), he also called for giving momentum to the Skill India Mission by capitalising on the gains of the last six years.

Home POLITICS GOVERNANCE ECONOMY DEFENCE INDIA FEATURES OPINION EVENTS VIDEO MORE

Home » India » Governance » Recovery of economy now depends on how fast we skill youth, make...

India Governance

Recovery of economy now depends on how fast we skill youth, make them job-ready, Pradhan says

On World Youth Skills Day, Skill Development and Entrepreneurship Minister Dharmendra Pradhan says skilling is no longer a secondary activity.

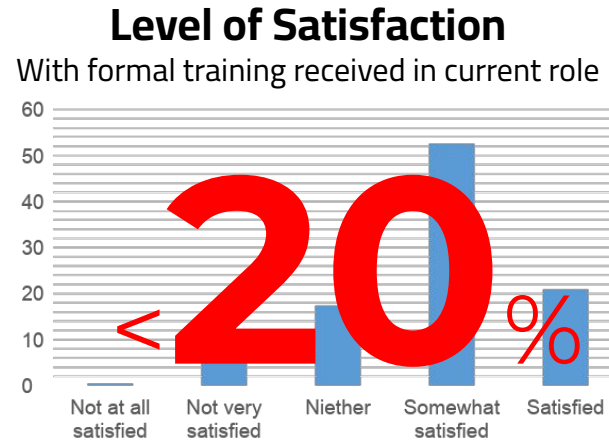
'Make in India' initiative's success lies in skilling India

Rohit Saboo • Nov 19, 2015, 08:33 PM IST



Rohit Saboo
President & CEO, National Engineering Industries Limited (NEIL), CK Birla Group

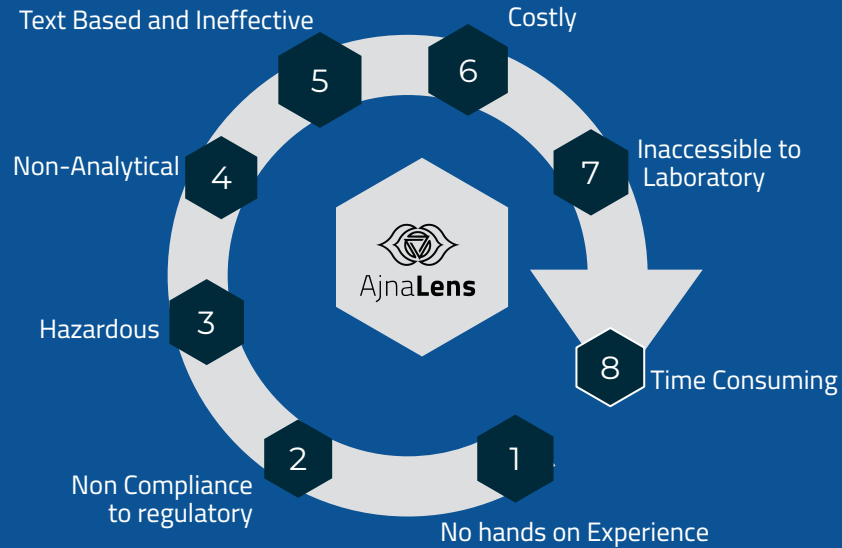
Current Training Challenges



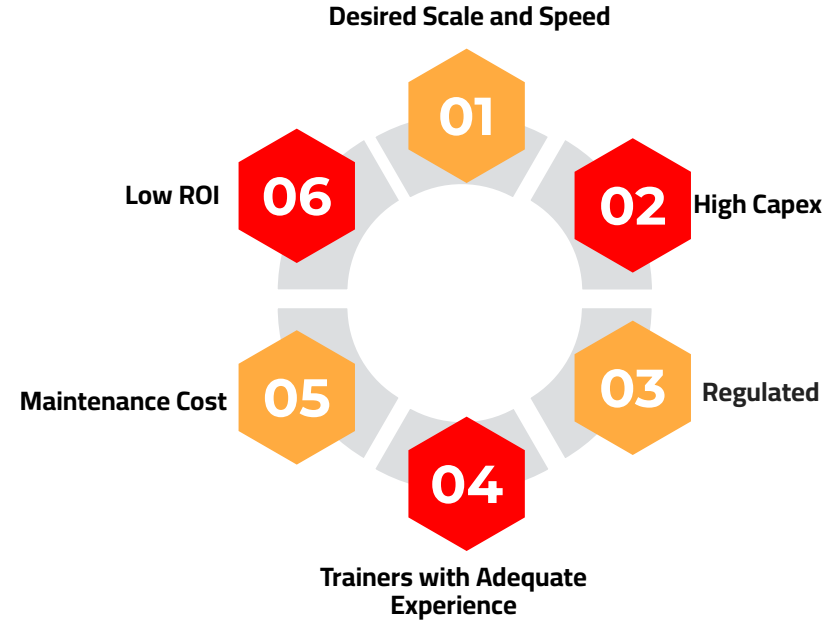
Source:

Pain Points

Organizations



Learning Partners



Introducing

AjnaXR Station

- 🔧 Phigital training [Physical + Digital]
- 🥽 Virtual Reality based gamified training
- ✓ Industry validated content
- 📈 Auto analytics & skill mapping
- 💰 Immediate ROI
- ⬆ Scalable training modules
- 🔊 Multilingual



+ More

With

100's of SOP & Training Modules

+ Customized Content



Making it Real: AjnaXR Station Guided Tour





Operations



Repair



Maintenance



Troubleshooting



Safety



Life Sciences



Automobile



Healthcare



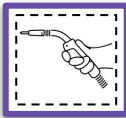
Power



Construction



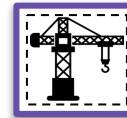
Paint Simulator



Welding Simulator



Fire Simulator



Construction Simulator



Driving Simulator



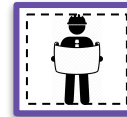
Chemical Engineering



Mechanical Engineering



Electrical Engineering



Civil Engineering



Automobile Engineering

Why choose AjnaXR Station?



Physical Equipments
Eg: Air & Airless Spray Guns



Digital Environment
Eg: Virtual Painting Booth



Superior Training Experience

Train in immersive, realistic environments on real life objects



Unlimited Times Practice

Practise unlimited times until you master the trade



No Controllers, Only Real Tools

Practise with the actual tools and build muscle memory for the skill



Objective Skill Evaluation

Measure your performance and generate detailed analytics reports



No Language Barrier

Learn the trades in Hindi and English
Soon will be available in more native languages



Zero Material Cost

Zero raw material consumption,
Zero cost of consumables



Green & Safe Technology

Reduce your carbon footprint and avoid physical risks for students



One Platform, Multiple Skills

Learn multiple new skills on the same platform

300+ Units Deployed



Top 10 Indian Hardware Startups Building Products for India and the World
212K views • 1 month ago
Backstage With Millionaires
In today's video, we take a look at the top 10 Indian hardware startups building products for India and the world 00:00
Introduction ...
Subtitles

150 ITI's in Karnataka Upgraded



Students Interest

3D virtual visuals
increase child's IQ and
grasping power.



Makes learning easy

that Virtual Reality
increases interest of
students in study

“India's First AR headset is
ready to take on global giants”

Entrepreneur.

“Dimension NXG's AR headset is the best
in class both in terms of price and
performance”

**OUTLOOK
BUSINESS**
THINK BEYOND. STAY AHEAD.

“AjnaLens becomes first India-made
AR headset, set to bring virtual
worlds to life”

YOURSTORY

Ajna**Lens**

Impact on VR in Skilling

50-75%

reduction
in training cost

97%

preparedness
to handle hazards

85-96%

decrease
in training time

70-90%

knowledge
retention

92%

increase in interaction
and engagement

98.5%

reduction in
carbon footprint

Use Case

Welding Training



Use Case: **Welding Training**



Problem Statement:

- Welding generates metal particulates and gases such as ozone, nitrogen oxides, and carbon monoxide, safety is the first and foremost challenge to be addressed.
- Currently the conventional model of welding training is used which works in the regular way: by instructing theoretical in person classes and later long hours practicing. Users looking for impactful and immersive way of welding training which is not only safe but also reduces the training time.

AjnaLens Solution:

- AjnaLens provides XR Station a Virtual reality-based simulation training.
 - **Hardware:** XR Station & Ajnalite 2 (360 degree VR glasses)
 - **Software:** AjnaLens Welding Module.

Impact:

- **Unique, engaging and immersive way** to train in a safe, but **realistic environment**.
- Speeding up **learning process, reducing costs, reduction in travel** also has a huge positive impact on a company's environmental impact.
- **Zero risks** is the biggest benefit for **newcomers, no experience, no risks**. Lack of experience can create dangerous situations. Thanks to Ajnalens XR Station, the risks are reduced to zero.
- **Consumables' cost reduction** - Welding requires hours of practice in **different positions, using different materials and pieces**. Every time a trainee makes a practice, **the piece is used and it can't be used again**.
- **Personalization = Less Time, Better Skills:** Each student can practice the **same procedures until the result is perfect**, this allows them to control the rhythm of their learning process, ensuring they move on to the next step once they are skilled enough.
- **Zero emissions:** Forget about gases or any emissions, simulation allows a 100% green welding. The Ajnalens XR Station can be placed anywhere, since it doesn't need special ventilation.

Additional benefits/uses:

- **Scalable solution:** Same solution (XR Station) can be used for all kinds of Virtual reality-based simulation training.

AjnaXR Station

Ajna**XR Station** is a revolutionary virtual reality simulator that helps you acquire specialized vocational training and master your skills in all kinds of simulation training techniques – all from your safety and comfort.

Welding Kit



AjnaLite 2



Stick Welding Torch



MIG Torch



TIG Torch



Accessory: Welding Torches



AjnaLens simulator consists of 3 physical welding torches connected with advance tracking electronics designed by AjnaLens.



The tracking sensor consist of ARM Cortex-M4 processors, a Field Programmable Gate Array (FPGA), MEMs Inertial measurement unit, and two precision MEMs clocks

AjnaLens Tracker

MIG Torch



TIG Torch

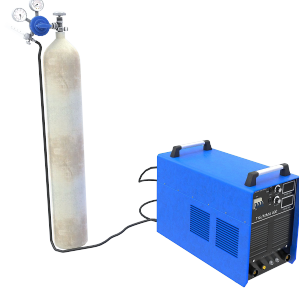


Stick Welding



Welding Torch	MIG Torch	TIG Torch	STICK
Welding Process	MIG-MAG (GMAW, FCAW)	TIG(GTAW)	STICK (SMAW, MMA)
Virtual Filler material	Carbon steel (Wire - Solid, Tubular)	Carbon steel (Rod)	Carbon steel (electrode stick)
Virtual Diameter (mm):	Wire: 0.8 mm, 1 mm, 1.2 mm	Rod: 2.0 mm, 2.4 mm	Electrode diameter: 2.5 mm, 3.2 mm
Model	Classic MIG	Oxy-Acetylene Water Cooled Tig Welding Torch	Premium Welding Holder-200A

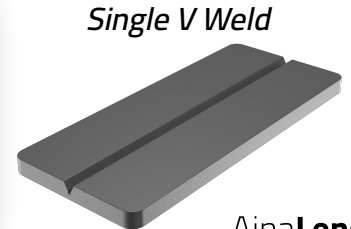
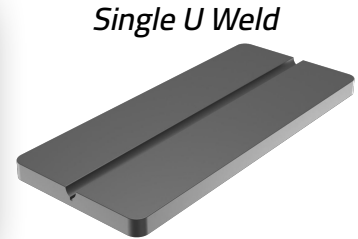
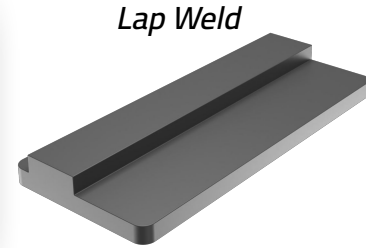
Welding Environment



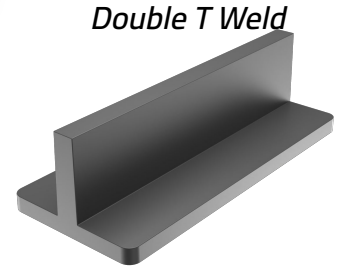
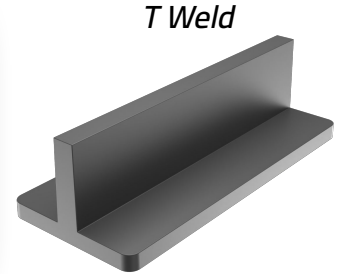


[Click to Play Video](#)

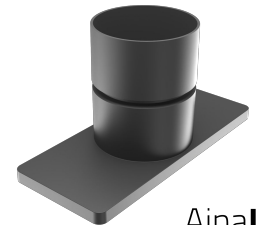
Welding **Parts & Positions Available**



Welding **Parts & Positions Available**



Industrial Welds



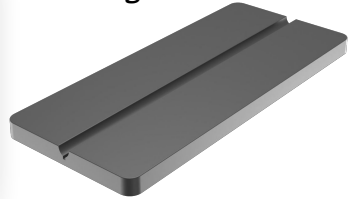
Welding **Parts & Positions Available**



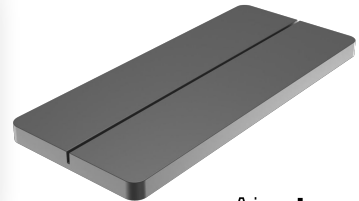
Corner Weld



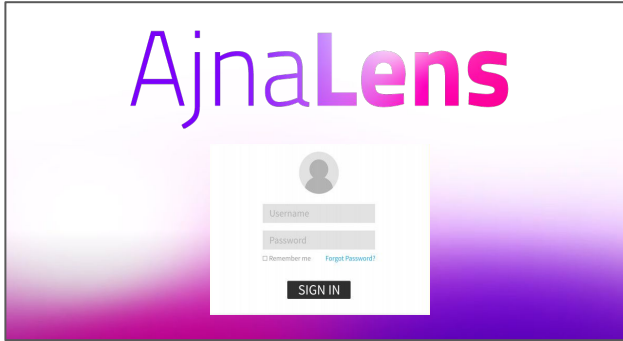
Edge Weld



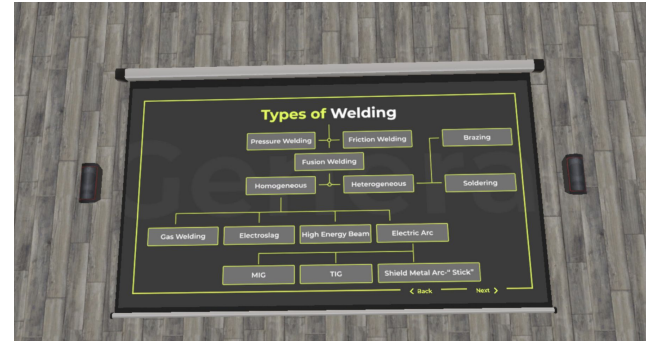
Flat Butt Weld



Application Overview **Welding**



Welcome Screen (Login Screen).



Different types of Welding.



Select Job Types / Work Pieces/Positions

Selection

 **Hand**
Right Hand



 **Difficulty**
Intermediate



 **Mode**
Guided



 **Welding Joint**
Butt Joint



 **Welding Piece**
Piece name



 **Piece Position**
3G Vertical



 **Piece Material**
Aluminium



Select Dominating Hand

 Home



Left



Right

Proceed

Selection

2/15

Hand
Right Hand



Difficulty
Intermediate



Mode
Guided



Welding Joint
Butt Joint



Welding Piece
Piece name



Piece Position
3G Vertical



Piece Material
Aluminium



< Back

Select Difficulty Level

Home



Beginner



Intermediate



Advance

Proceed

Selection

4/15

Hand
Right Hand



Difficulty
Intermediate



Mode
Guided



Welding Joint
Butt Joint



Welding Piece
Piece name



Piece Position
3G Vertical



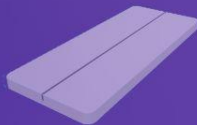
Piece Material
Aluminium



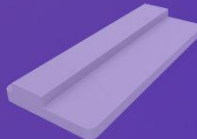
< Back

Select Welding Joint

Home



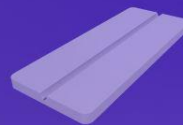
But Joint



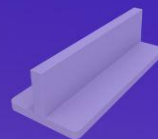
Lap Joint



Pipe-Pipe Joint



Edge Joint

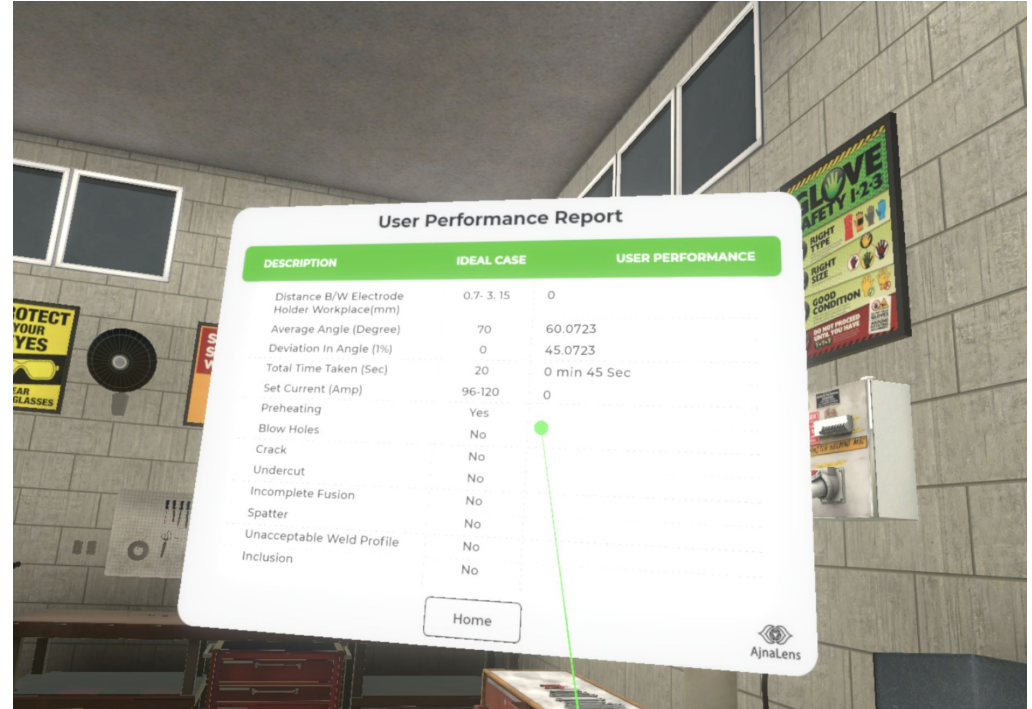
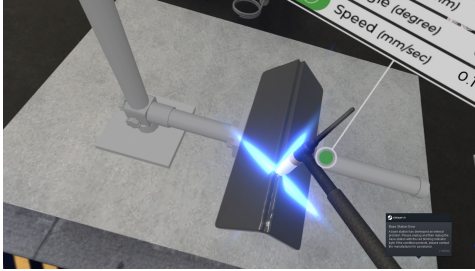


T Joint



Proceed

Application Overview **Welding**



Scoring parameters: CTWD (Contact Tip to Work Distance) - Torch to work piece distance, Travel Speed, Travel Angle, Arc Length, Work Angle, Straightness.

But Don't just take my word for it! Have a look at this...



"India's First AR headset is ready to take on global giants"

Entrepreneur



"Dimension NXG's AR headset is the best in class both in terms of price and performance"



"AjnaLens becomes first India-made AR headset, set to bring virtual worlds to life"



THE ECONOMIC TIMES

VCCIRCLE

Business Standard

yahoo!
news

EXPRESS
COMPUTER

Inc42


THE HINDU

THE FINANCIAL EXPRESS

BUSINESS
INSIDER

DECCAN
Chronicle

 dailyhunt

Mashable

Here's what Investors have to say about us

Technology has always revolutionised the way we work, live and play; consider computers, smartphones and more. I truly believe that augmented reality is the next frontier in computing and is already on the rise. AR will shape how humans live, communicate and collaborate. Having watched this space closely, AjnaLens is now at its inflection point and is about to follow an exponential growth trajectory due to the traction we have seen in the Indian market. I have complete faith in the AjnaLens Team that they will create this future for the world, starting from India.

– Chirayu Khimji, Khimji Ramdas Group



Vijay Shekhar Sharma
Founder & CEO, PAYTM



Japan Vyas
Founder of Roots Ventures



Chirayu Khimji
Khimji Ramdas Group



Mohsin Hani Al Bahrani
Mohsin Haider Darwish Group



Chetan Kajaria
MD at Kajaria Ceramics



Micheal Marks
Innoventure Partner



Manish Bhatia
Bhatia Brothers - Dubai



**Maharashtra Defence And
Aerospace Venture Fund**

Certifications



Certificate of Registration
(Information Security Management System)

QFS MANAGEMENT SYSTEMS LLP

This is to Certify that the Information Security Management System of

DIMENSION NXG PRIVATE LIMITED
302 & 304, HAMILTON A, HIRANANDANI ESTATE, GB ROAD, THANE WEST - 400607, MAHARASHTRA (INDIA)

Has been found to be of the Information Security Management System Standard

ISO 27001:2013

This certificate is valid for the following product or service range
PROVIDING SPATIAL COMPUTING, AUGMENTED REALITY, MIXED REALITY AND VIRTUAL REALITY-BASED HARDWARE AND SOFTWARE FOR THE DEFENCE, ENTERPRISE, MEDICAL, HEALTH-CARE, EDUCATION AND RELATED AREAS SERVICES.
ISPL/ISO, VERSION-01, DATED:28.03.20

Certificate Number: **IS/20060X/2058** 1st Surv. Due on: **31.04.2021**
Initial Date of Certification: **01.06.2020** 2nd Surv. Due on: **31.04.2022**
Date of Certificate: **01.06.2020**
Date of Expiry: **31.05.2023**

Director:  Date: **01.06.2020**

The validity of certificate is subject to regular surveillance audit on before above mentioned dates and its only valid after successful surveillance with continuation letter issued by QFS. It is issued subject to the continued availability of access at any time and without notice to the above named organization's premises for the purpose of assessment and surveillance regarding the standard named above and QFS terms and conditions

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www.qfscerts.com
email: admin@qfscerts.com
This Certificate remains the property of QFS



Certificate of Registration

This is to certify that

DIMENSION NXG PRIVATE LIMITED
302 & 304, HAMILTON A, HIRANANDANI ESTATE, GB ROAD, THANE WEST -400607, MAHARASHTRA (INDIA)

has been independently assessed by QRO
and is compliant with the requirement of:

ISO 9001:2015
Quality Management System

For the following scope of activities:

PROVIDING SPATIAL COMPUTING, AUGMENTED REALITY, MIXED REALITY AND VIRTUAL REALITY-BASED HARDWARE AND SOFTWARE FOR THE DEFENCE, ENTERPRISE, MEDICAL, HEALTH-CARE, EDUCATION AND RELATED AREAS SERVICES

Date of Certification: 30th May 2020 2nd Surveillance Audit Due: 29th May 2022
1st Surveillance Audit Due: 29th May 2021 Certificate Expiry: 29th May 2023

Certificate Number: 3050200601003Q

   
Head of Certification

Validity of this certificate is subject to annual surveillance audits to be done successfully on or before 365 days from date of the audit.
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All existing 15 Patents filed in India, with applications underway to secure worldwide patents on key innovations



- **10 India-wide complete patents** are filed across NXG's existing range of solutions and core technology
- **02 India-wide provisional patent** filed
- **02 International patents** filed
- **03 hardware design applications** filed in India
- **31 trademark** applications registered

Dimension NXG's patents pertain to key challenges for MR & AR core technology and its applications

Patent Arenas		
MR/AR Core Technologies	AI Powered Bot for Training	Multi Object 6DoF Tracking in a Common XR space
Hologram Shaders	Machine Vision-Based Diagnostics Using MR	Defence MR glass design
Ambient relighting technology	Real Time AR/VR Teleportation	Enterprise MR glass design
An Interaction Platform for AI Bots and Users	Holograms from Concepts	MR & AR Applications

Additional details can be shared in due diligence



AjnaLens

Augmenting Human Intelligence

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