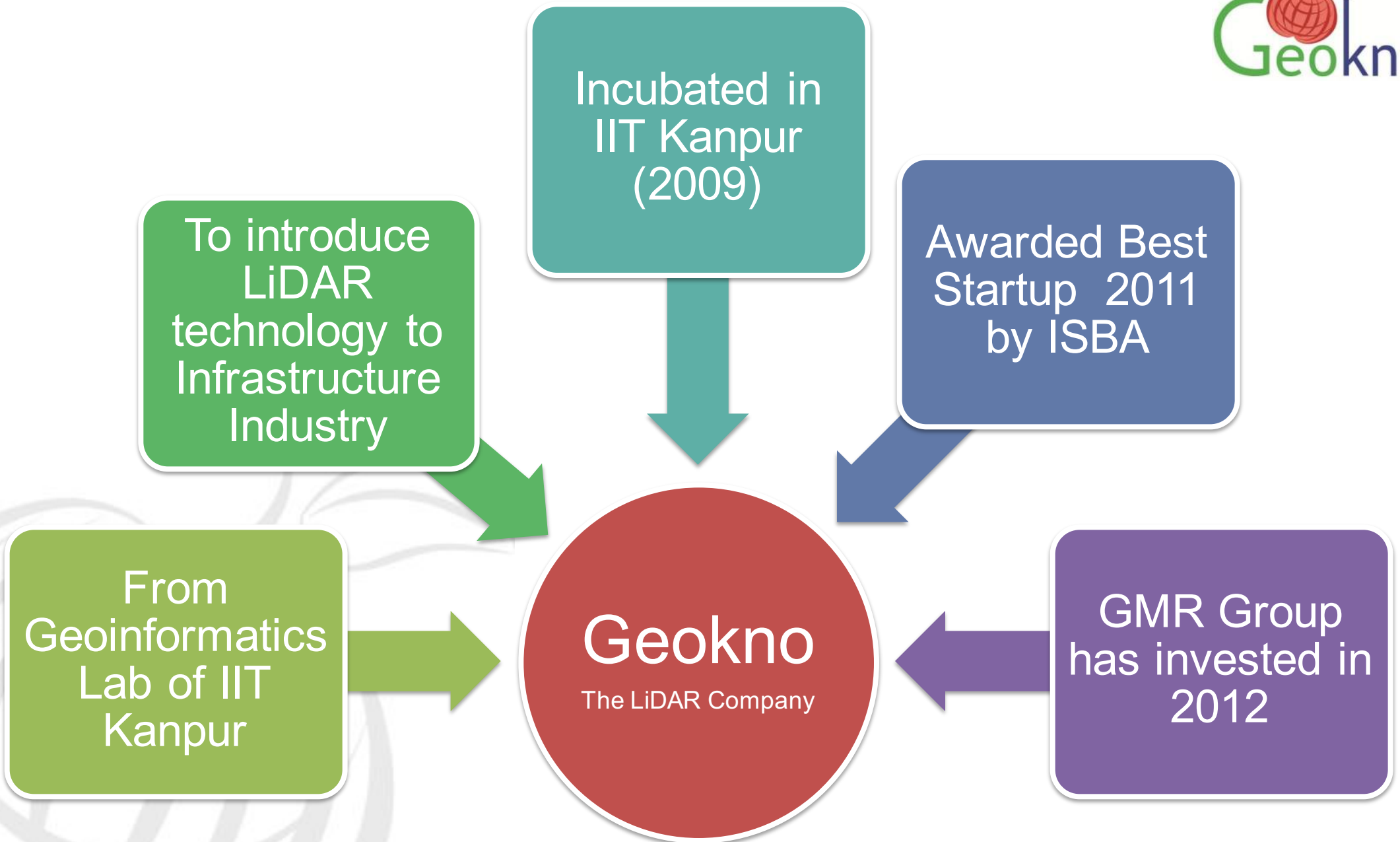


[www.geokno.com](http://www.geokno.com)

# Incubation: Bringing Geospatial Research to Business Ecosystem

## Geokno India – Success Story

**Balaji Nagarajan**  
**Founder**



# Founders



## **Dr. Bharat Lohani**

*Professor: IIT Kanpur*

PhD in Remote sensing: University of Reading, UK

ME Photogrammetric Eng. & Remote sensing: IIT Roorkee

**15 years experience in the Geospatial domain :**

- Pioneer of laser scanning & LiDAR in India
- Lifetime achievement award (2013); Indian society of remote sensing
- Airborne LiDAR accuracy assessment expert



## **Balaji Nagarajan**

*Founder & CEO*

Former researcher: IIT Kanpur

M.Tech in Geoinformatics: Anna University

**Expertise in:**

- LiDAR, Photogrammetric & GIS techniques
- Design & development of web based GIS
- Laser scanning & 3D modelling

# Universities Need Research Funding

- Research funding becoming highly restricted
- Many universities are growing rapidly, infrastructure being stressed
- No industry funding or participation
- Costs of research are increasing
- Conduct of research becoming more complex



# Hurdles in accessing research facilities



# Technology Acceptance



LiDAR technology  
is mandatory in  
NHA DPRs

SMAR City -  
Solar Roof  
Potential

Market leader in  
providing LiDAR  
based end-to-end  
technology  
solutions

Introduced LiDAR  
technology to  
Railways,  
Irrigation and  
Disaster  
Management

Only company in  
India to own high  
end equipment in  
all the three  
platforms

Completed over  
**15,000 sq km** of  
Aerial LiDAR &  
**3,000 km** of road  
LiDAR projects

**Geokno**

The LiDAR Company



# Infrastructure: Geokno operates LiDAR from all 3 platforms



**Geokno Mobile Mapper: Only machine in India with 1 cm accuracy**



**Geokno HeliMapper: Only machine in India with Aerial LiDAR capability**



**Geokno Terrestrial LiDAR: 7 mm accuracy**



# Geokno has executed and is executing multiple challenging projects with a number of happy clients



<b>Survey of India</b>	<ul style="list-style-type: none"> <li>Disaster Mapping of Uttarakhand Flood impacted area (3,600 sq km)</li> <li>First Airborne LiDAR Project for Major Disaster Assessment in India</li> </ul>
<b>Govt of Telangana</b>	<ul style="list-style-type: none"> <li>Aerial LiDAR Survey of over 10,000 sq km in Telangana</li> <li>Project helped in shortening DPR preparation time from 3 years to 6 months with more accurate results</li> </ul>
<b>Govt of Rajasthan</b>	<ul style="list-style-type: none"> <li>Over 2,200 sq km of area mapped. Further awarded 700 sq km</li> </ul>
<b>Govt of Mizoram</b>	<ul style="list-style-type: none"> <li>Aerial LiDAR Survey for Mizoram State Roads Project</li> </ul>
<b>ITES Ltd</b>	<ul style="list-style-type: none"> <li>Geokno awarded the prestigious project for Ahmedabad-Mumbai High Speed Rail Corridor</li> </ul>
<b>C-STEP</b>	<ul style="list-style-type: none"> <li>Geokno awarded the prestigious project for Aerial LiDAR data capture for Bangalore city for Solar Rooftop potential modelling project</li> </ul>
<b>GMR Goa Airport</b>	<ul style="list-style-type: none"> <li>Mapping of greenfield airport at Mopa, Goa</li> </ul>
<b>PWD Karnataka</b>	<ul style="list-style-type: none"> <li>Survey of over 3000 KM of roads completed</li> <li>More than 1000 KM in pipeline</li> </ul>
<b>IRCON</b>	<ul style="list-style-type: none"> <li>Arpinchalla Station Yard survey in highly challenging Banihal area of J&amp;K</li> <li>Station Yard was in between 2 tunnels and adjoined by river</li> </ul>
<b>Tehri Hydro Corp (THDC)</b>	<ul style="list-style-type: none"> <li>Survey of very steep slopes in Pipalkotti (Uttarakhand) for planning of Hydro Power Dam</li> </ul>
<b>CIDCO, Maharashtra</b>	<ul style="list-style-type: none"> <li>Topographical Survey for Chikaldara Hill Station</li> <li>Topographical Survey of NAINA &amp; New Khopta Areas of over 500 sq km</li> </ul>




# Thank You

Geokno on YouTube:

<https://www.youtube.com/channel/UCTcHSwRhGvusB3NxACeY3g/videos>

Geokno India Pvt Ltd

 Subscribe 1

Home Videos Playlists Channels Discussion About 

Uploads ▾

Date added (newest - oldest) ▾

Grid ▾



**3D Immersive City GIS**

90 views • 2 months ago



**LiDAR Corridor Mapping**

196 views • 2 months ago



**3D Building Model**

29 views • 2 months ago



**3D City Model**

45 views • 2 months ago