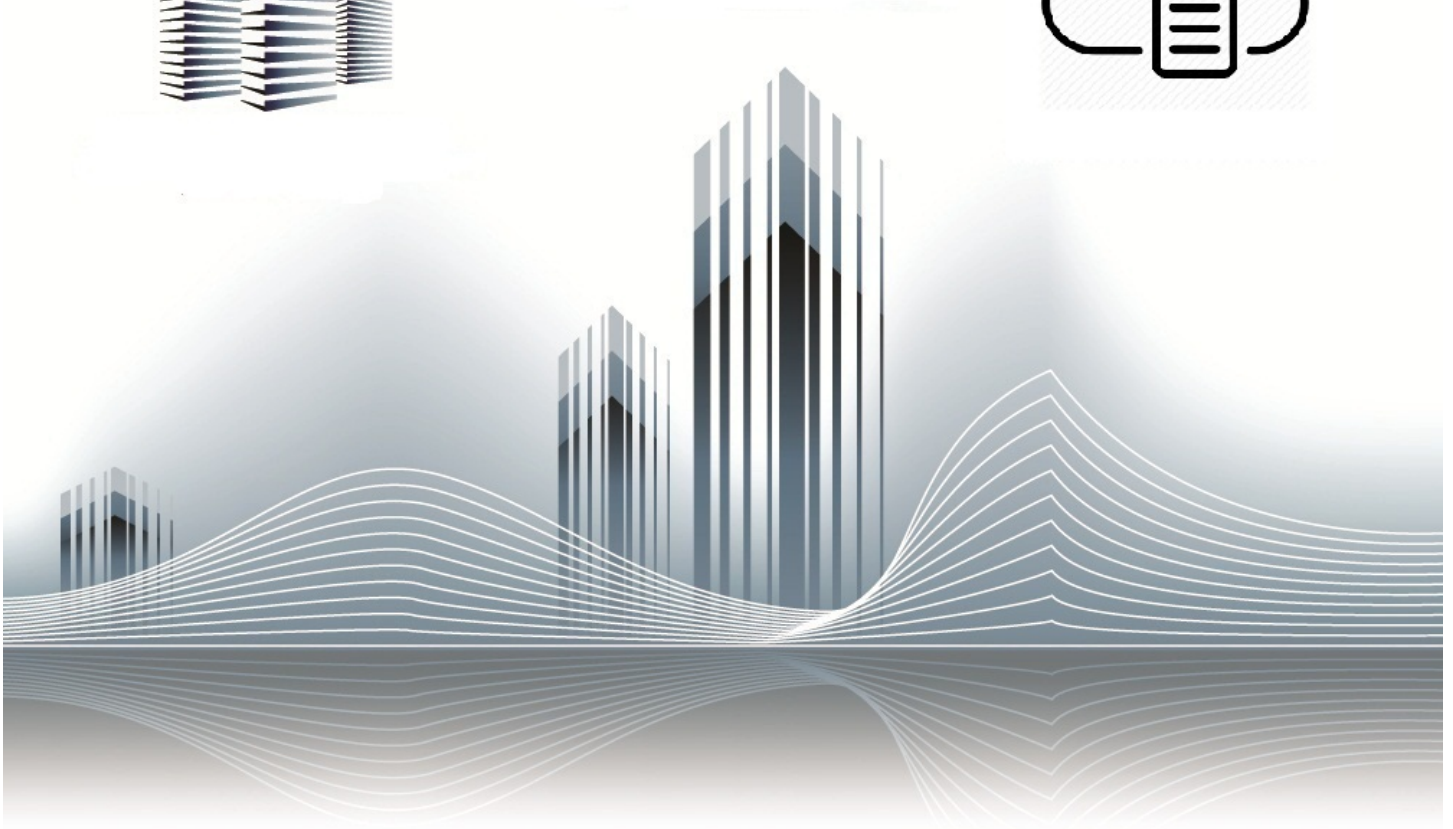# BHADALE GROUP OF COMPANIES - IT AND REAL ESTATE

March 27 2019

R&D – CleanTech Innovations programs Catalogue

Bhadale IT Developers Pvt. Ltd | Bhadale Real Estate Developers Pvt. Ltd (registration due)

Plot No. 52, Hindwadi, Belgaum, KA, India | Mobile: +91- 9741040195 | Website: TBD

Bhadale Group of Companies

Bhadale Group of Companies consists of Bhadale IT Developers Pvt. Ltd and Bhadale Real Estate Developers Pvt Ltd.

1. **Bhadale IT Developers Pvt. Ltd** is an IT and Computer Engineering company

   This company provides consultation in areas of cutting edge technologies, research outsourcing, and software consultation related to data center and related engineering practices

2. **Bhadale Real Estate Developers Pvt. Ltd** is a Real estate company

   This company provides development of Infrastructure for IT Datacenter and allied sectors. It manages the engineering design, landscaping, civil architecture, presently serving internal projects.

Bhadale Group of Companies has aggressive programs in place to serve the niche market.

Bhadale IT Developers Pvt. Ltd Programs and Services

IT Division programs

1	Cloud Architecture
2	AI
3	Digital
4	Automation
5	R&D services
6	Engineering services
7	Mentoring Services
8	Data center services
9	Outsourcing

There are various services offered under each program, details are described below

IT Division program related services

Cloud Architecture

- Cloud Enterprise Architecture
- Cloud Business Architecture
- Cloud Information / Website data Architecture
- Cloud Solution Architecture
- Data center Virtualization and Cloud services (IaaS)
- Cloud Technical Architecture – Project specific
- Cloud ERP Solutions (SaaS, PaaS)
- Cloud Strategy and Transformation
- Cloud Systems Integration and consolidation
- Cloud Project Management
- Cloud Pre sales support
- Business Needs (RFI/RFQ/RFP assistance)
- Cloud Quality Initiatives

- Cloud Business Analysis
- Cloud Infrastructure Planning – hardware , network, storage , backup (IaaS, PaaS)
- Cloud business portfolio assessment services (workshops)

AI

- Artificial intelligence and advanced machine learning
- Intelligent applications, Intelligent things
- Conversational systems
- Mesh app and service architecture
- Adaptive security architecture

Digital

- Virtual reality and augmented reality: Brief capability, deliverables and service offering
- Digital twins
- Blockchains and distributed ledgers
- Digital technology platforms

Automation

- Robotic Process Automation
- IoT
- Manufacturing robots
- BPO call center robots
- Chatbots
- Remote workers
- Hazarders jobs robots(Mine bombs, nuclear waste, underwater, space etc)

R&D services

- PHD mentor, buddy
- BPO - Outsourced work in areas of research areas related to IT and Computer Engineering

Engineering services (Only Engg)

- Engineering services for Data centers
- Engineering services for IT Departments
- Engineering architectures, drawings, road ways, town house planning, parking, safety, outdoor maintenance, lighting etc
- All other aspects of engineering: Civil, electrical, water and sewage, safety and mechanical motors, pumps, refrigeration, cooling

Mentoring Services

- IT Mentoring
- Engineering Mentoring
- Business Mentoring
- Mentoring for specials categories based on age, and disabled
- Mentoring for special professionals like Military and Govt. officials under Govt. Programs

Data center services (Engg + IT)

- Data center Engineering services
- Data Center IT Services
- Data center Security services
- Data Center QA services
- Datacenter Cloud services
- Datacenter compliances services
- Data center based business solutions

Outsourcing

- Insourcing
- Outsourcing
- Near sourcing
- Cloud sourcing
- BPO services
- IT specific services
- Engineering specific services
- Training specific services

Service details for Bhadale IT and Engineering (multi –disciplinary) Pvt. Ltd

      Programs – for R&D – CleanTech Innovations
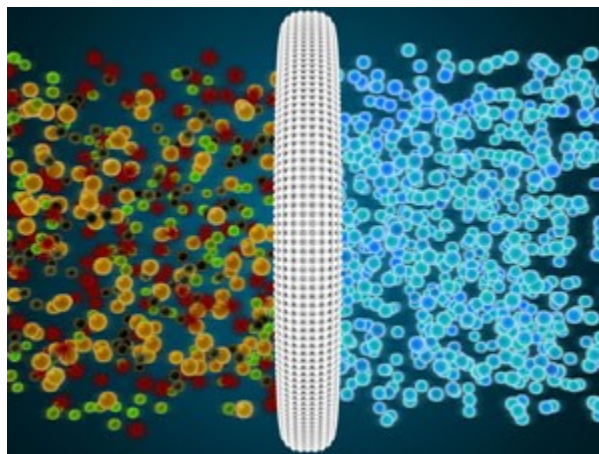

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Catalog of services offered for R&D - CleanTech Innovations

Service No	Program Name	Services offered
1	**Smart Nano-particles for water / air purification**	We offer innovative solutions using latest technologies in areas of engineering materials, composites, and nanotechnology ; combined with AI /ML and required IT development SDK, toolkits and related hypothesis testing by way of project work and proof of concepts at startup labs, collaborative access to institutes and university lab facilities We offer services in areas like: • Water / Air purification using Nanotechnology • Use of AI / ML for error correction and lifecycle management • Design of API / Interfaces and deployment modules • Assist in fabrication of nanoparticles • Design of filters with various form factors and sizes Our focus is leveraging the best material and applying AI based error corrections for the nano-particles that help in proper life cycle management of system. We have a team of qualified and licensed engineers who are well to do in their area of practice

2	Smart AI and nano modeling	We offer services to help you in **nano level modeling** and use of AI to help learn any errors and suitable **corrections applied using ML algorithms**
		Modeling is an interesting topic that will help you understand the molecular structure and how the **chemistry works at molecular level**. AI can better collate data, learn from past systems, and produce a more accurate representation of the specimen system under study; for example, we can use AI to minimize the error associated with the geometry or size of a material or particle. This is particularly useful for nano-materials as the different effects and phenomena seen with nano-materials can sometimes be hard to recreate. We offer virtual reality, mixed reality and **3D modeling** for you to understand and have faith in your projects that can offer expected results.
		Several existing standards, structure models from the **periodic table** can be used to compare and **analyze for any new composites** that will be designed to ensure they truly belong to a similar type of compound like the an aromatic carbon compound
3	Smart nanorobots for river water cleaning	Using **Drone technology** to distribute large scale payloads of nanorobot based water cleaning system helps in better management of the cleaning process instead of spraying a chemical.
		Robots can be configured to attack a **particular type of toxic molecule** and these in a swarm group will help in targeting a large set of bad molecules and enable cleaning operations by way of divide and conquer and break the bad molecules and or separate them and bulge that can easily separated using a simple net by another robot. With a full lifecycle several nanorobots and industry robots help in cleaning a water body in matter of hours with less expense
4	Smart nanorobots for industrial waste cleaning	Using suitable interfaces to various industrial outlets , a large quantity of toxic waste can be **filtered prior to dumping** that to sea water or river or even air
		Nanorobots can be configured to attack a **particular type of toxic molecule** and these in a swarm group will help in targeting a large set of bad molecules and enable cleaning operations by way of divide and conquer and break the bad molecules and or separate them and bulge that can easily separated using a simple net by another robot. With a full lifecycle several nanorobots and industry robots help in cleaning toxic waste in matter of hours with less expense

For further details, please contact:

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