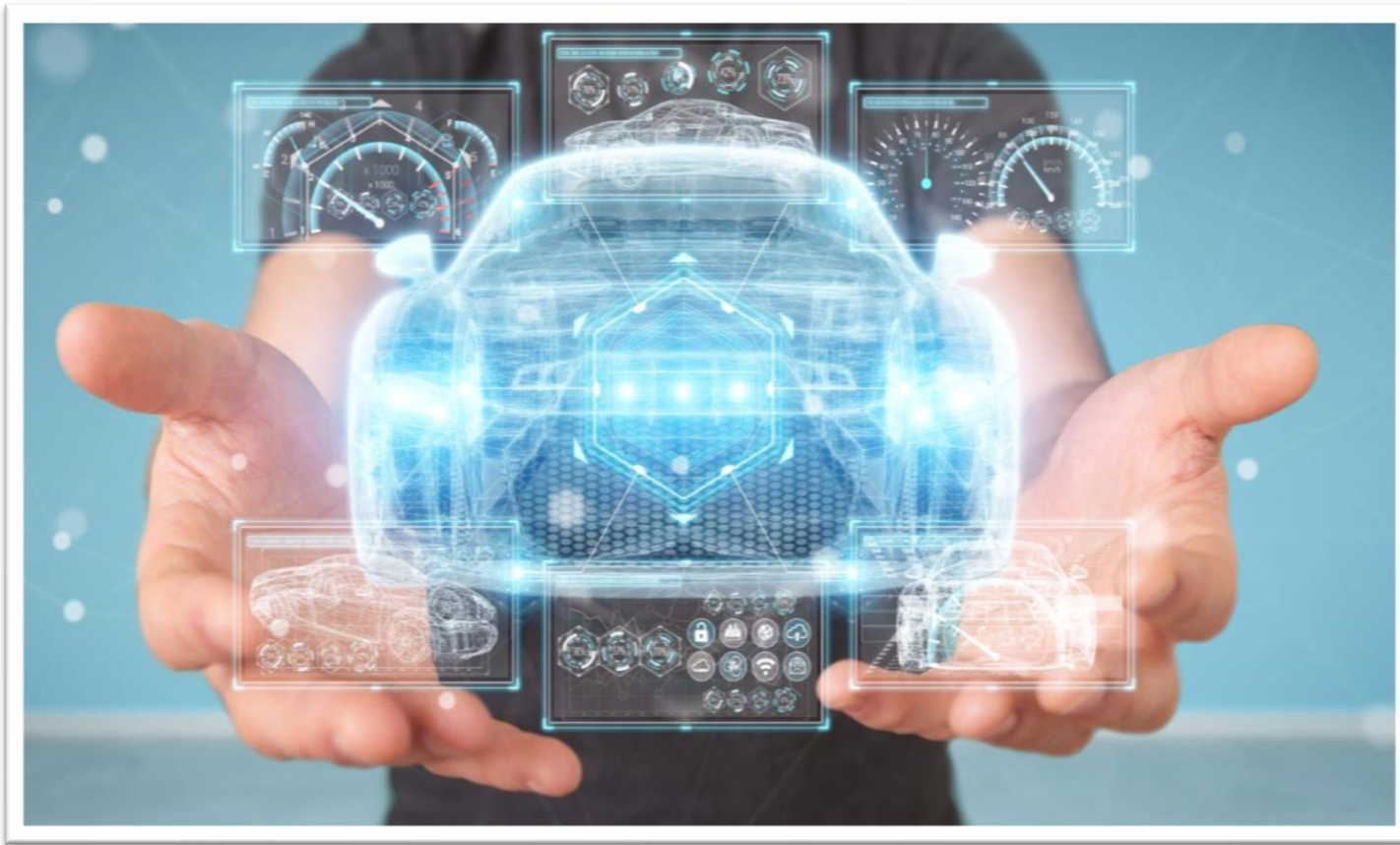


# Digital Transformation: Robotics and 3D Printing



## Automotive Repair

By Mario Dimovski

# Project : Repairbot



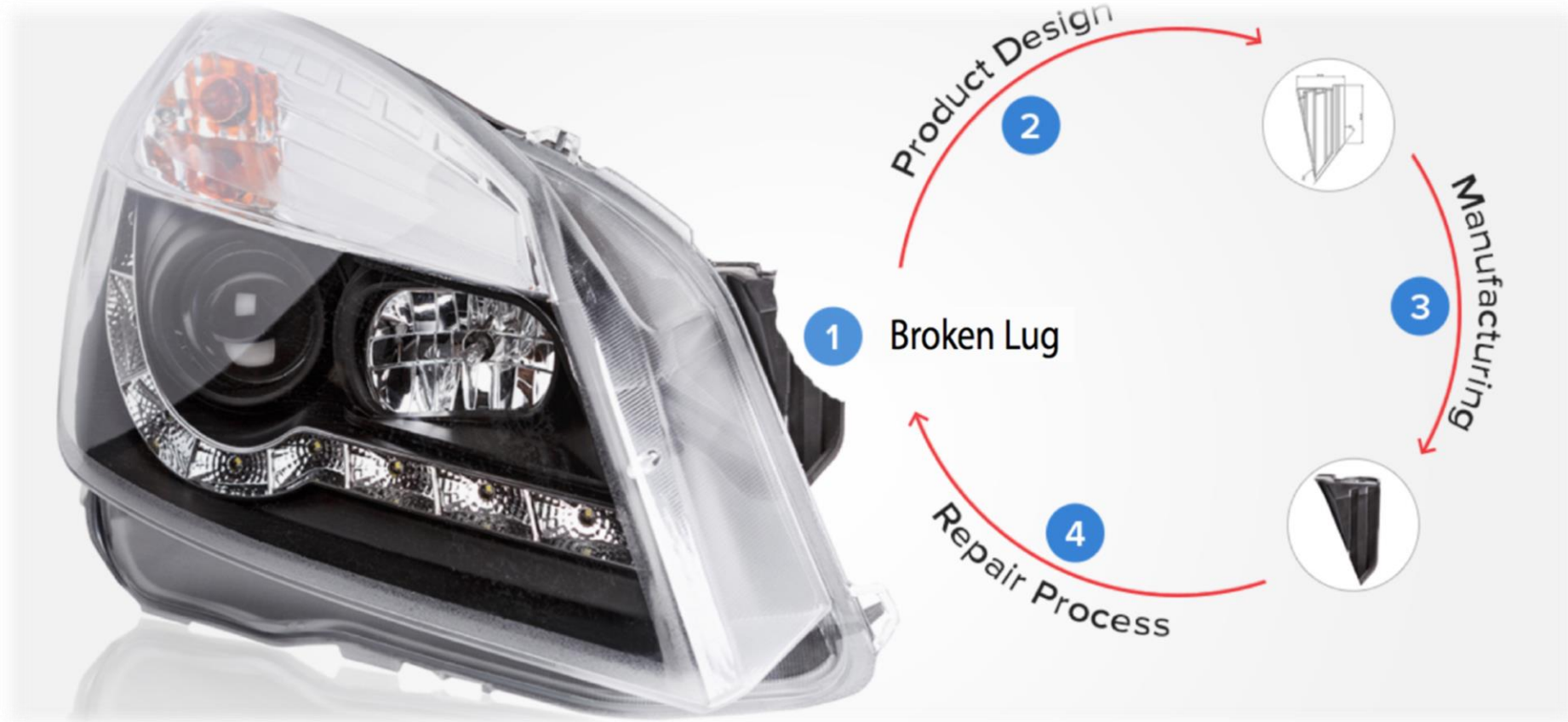
- Fusion of **3D Printing** and **Robotics** to repair automotive Plastic Parts.

# The Problem – Catalyst



- Damaged Headlight Bases
- Increase Vehicle Repair Costs
- Slow Down Repair Process
- Harm to the Environment
- Industry Skills Shortage
- Estimated 5% Repair (vs) new

# Automation: Solution



# Technology and Knowledge

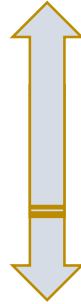


- Human Skill
- 3D Scanning
- Robotics
- 3D Printing
- Smart Systems) IoT
- CAD Management
- Augmented Reality
- Advanced Materials

# Collaboration Pathway:



3



1



2



# Collaboration Benefits:

- Knowledge Rich Universities
- Experienced & Driven Individuals
- Connect + Network
- PR -Project Exposure
- Project Management – Assistance
- Co – Funding



# Project Challenges

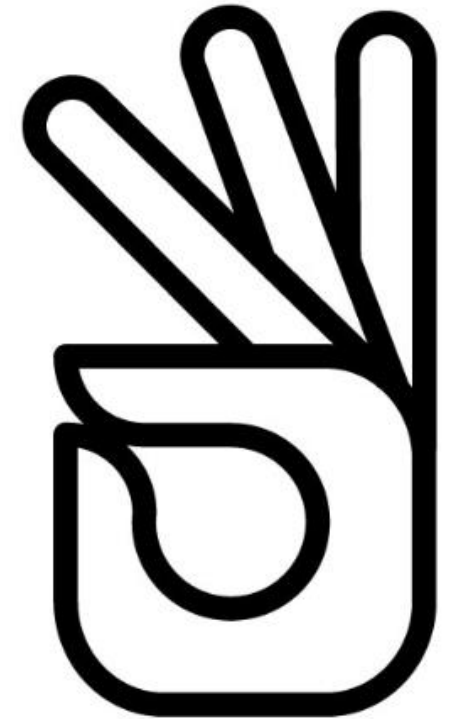


- Key Project People
- Technology on the move
- Understanding Industry Issues
- Get the right Message across
- Open to New Opportunities
- Cost vs Return
- Patents and IP



# Outcomes

- Past proof on concept : [Repairbot](#)
- Developed our own material
- Multiple Patents – Options
- New Innovation Projects In Development
- Lead the way in Technologies such as:  
[Augmented Reality, 3D Scanning, Robotics](#)
- Key stakeholders as Industry Collaborators
- Growing Global Network
- **WE ARE “Open for Business “**







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