

DYNAMICS.LK

Engineering Design and Development Studio



FOUNDING PARTNERS

MISSION

TO ENGINEER YOUR IDEAS INTO REALITY

VISION

We envision becoming a world-class institute in engineering design, simulation and development by 2025 while taking customer happiness as the measurement of our success

Lakshitha De Silva
Mechanical Engineer
lakshitha@dynamicslk.com



Chanuka Lihini
Mechanical Engineer
lihini@dynamicslk.com



Chamith Udagedara
Mechanical Engineer
chamith@dynamicslk.com

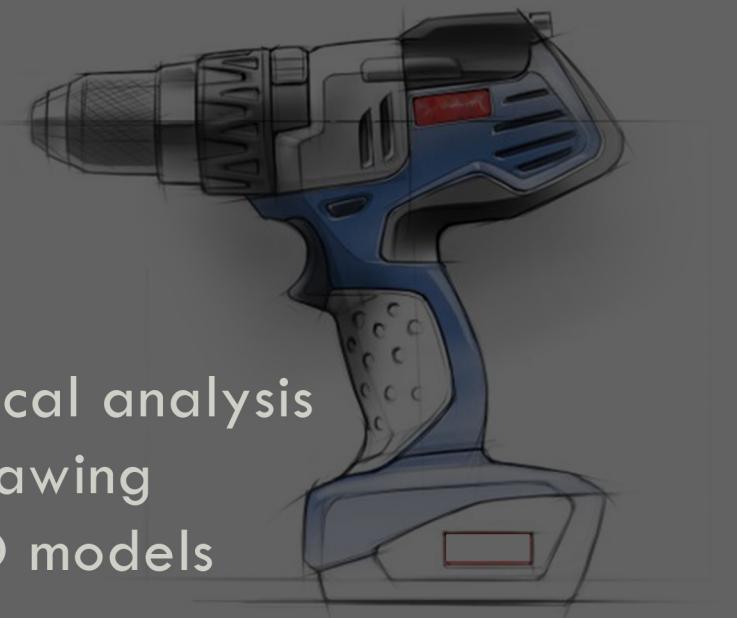


Rawisha Serasinghe
Mechanical Engineer
rawisha@dynamicslk.com

Product Design

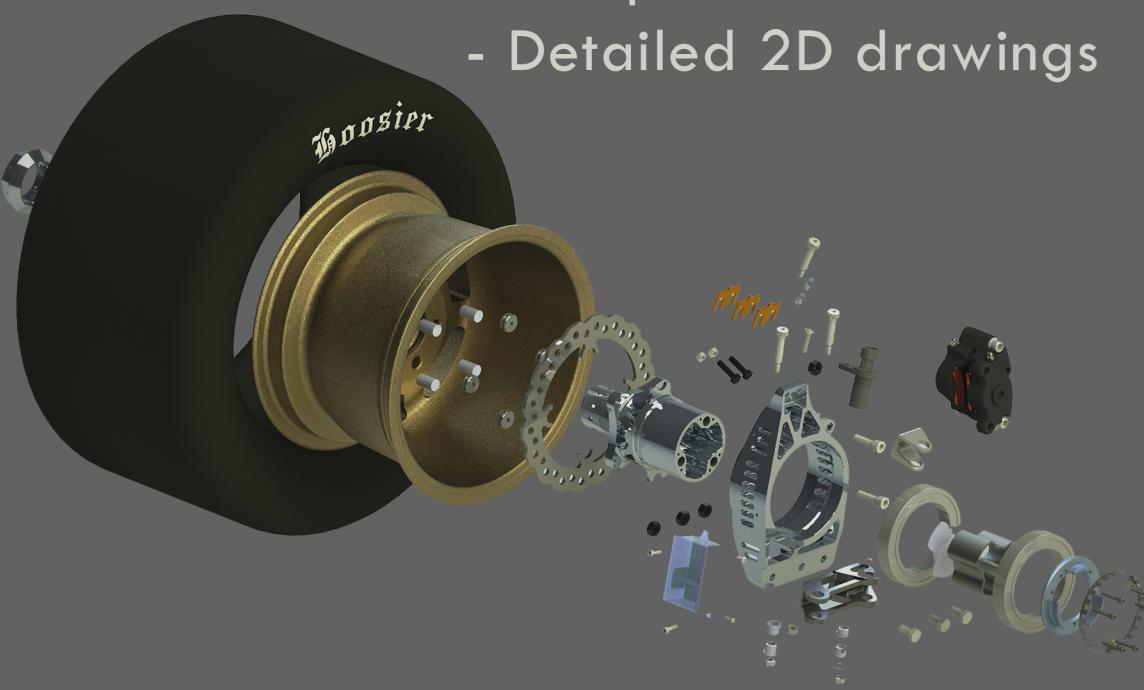
Conceptual Design

- Sketches
- Morphological analysis
- Concept drawing
- Concept 3D models



Detail Design

- Design calculations
- 3D modeling
- Component selection
- Detailed 2D drawings



D E S I G N

Automation and Machine Design

- Location / Factory visits
- System consultations and repairs
- Custom machine and automation



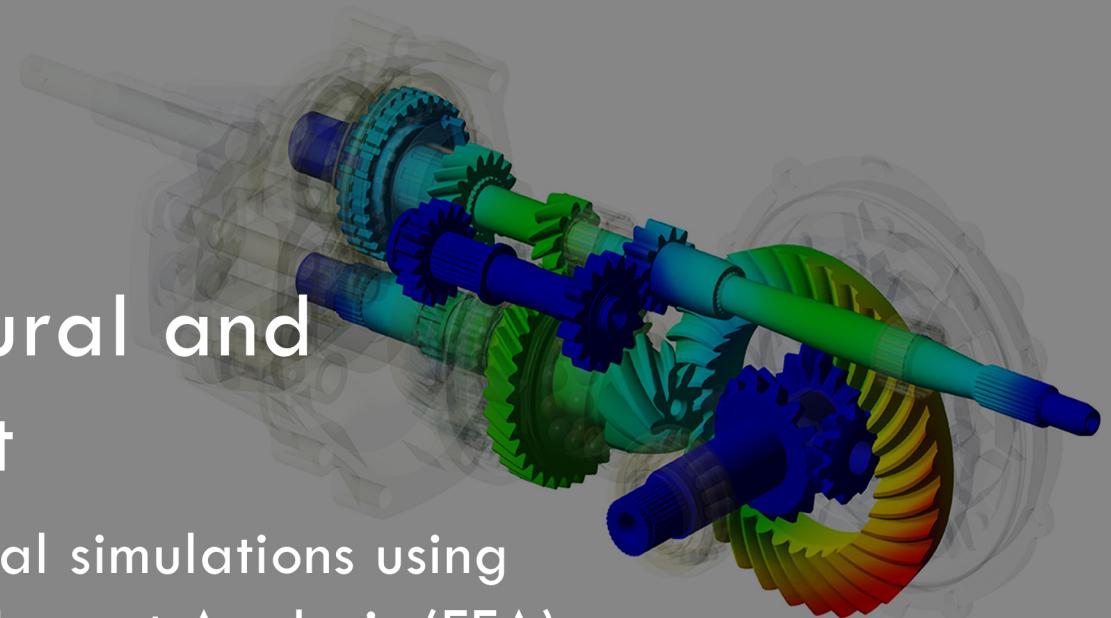
Graphics and Animation Design

- Marketing materials of products
- Product animations



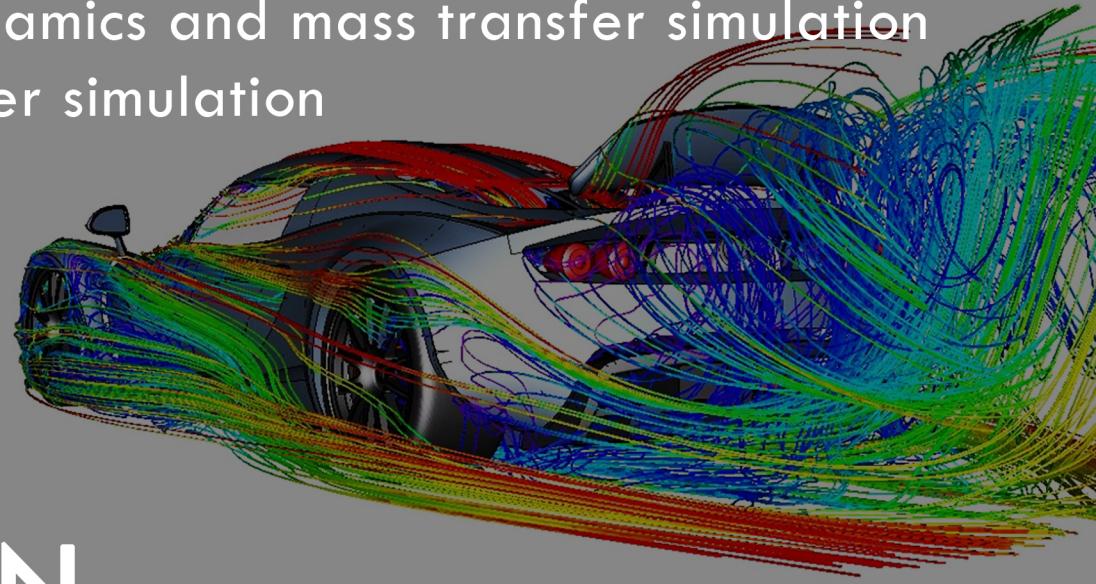
Structural and Impact

- Structural simulations using Finite Element Analysis (FEA).
- Topological optimization of component
- Impact simulation using explicit dynamics



CFD and Heat transfer

- Hydrodynamic and Aerodynamic simulation
- Multi-phase simulations
- Particle dynamics and mass transfer simulation
- Heat transfer simulation



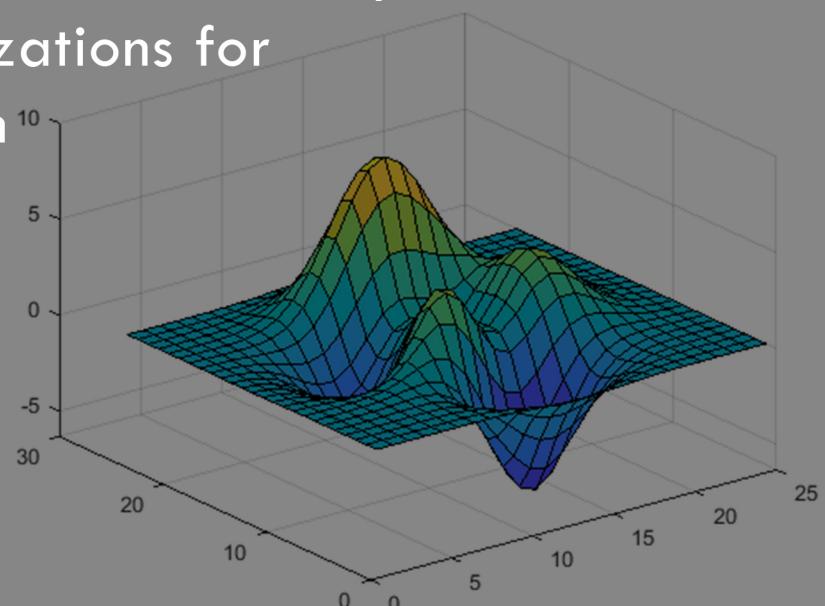
Electronics and Electrical

- Embedded system design
- Analog and digital system design
- CAD based circuit simulation
- Circuit design



Numerical Optimizations

- Custom physics computational analysis
- Mathematical optimizations for industrial application



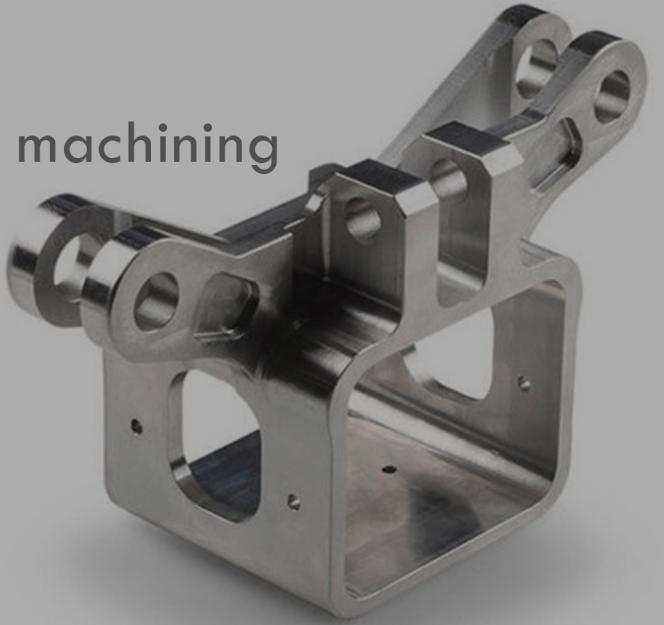


3D printing

- FDM 3D printing (Filament based)
- SLA 3D printing (Resin based)
- Post processing

Manual and CNC machining

- Lathe , Milling manual machining
- 3 axis CNC milling
- CNC lathe machining



D E V E L O P M E N T

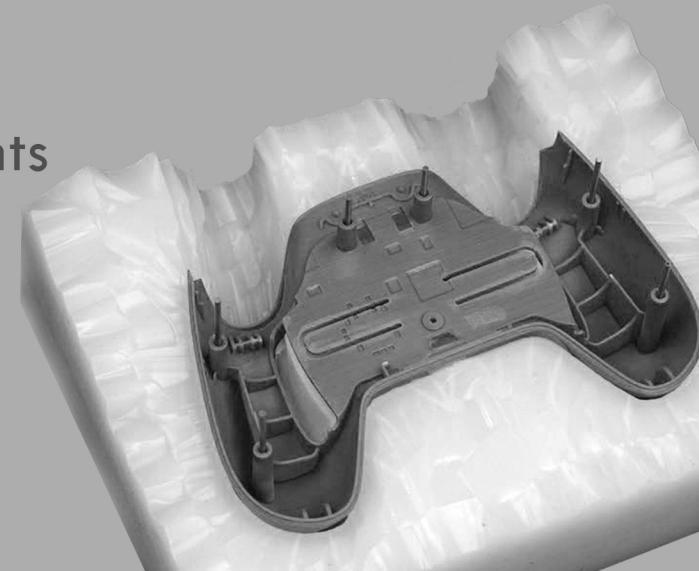
Composite part manufacturing

- Fiberglass , Carbon fiber component manufacturing
- Resin infusion and autoclave methods
- Post processing



Resin Casting

- Low volume production of plastic components
- ABS lite , temperature resistant materials
- Custom surface finish and colors
- Post processing



Assembly and Testing

- System assembling
- Testing , Troubleshooting and optimization

Contact Information

 contact@dynamiclk.com

 dynamiclk.com

 @dynamiclk.engineering

 @dynamiclk

 www.fiverr.com/dynamics_lk_