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TM
BRITISH COLUMBIA
INSTITUTE OF TECHNOLOGY

IND-E

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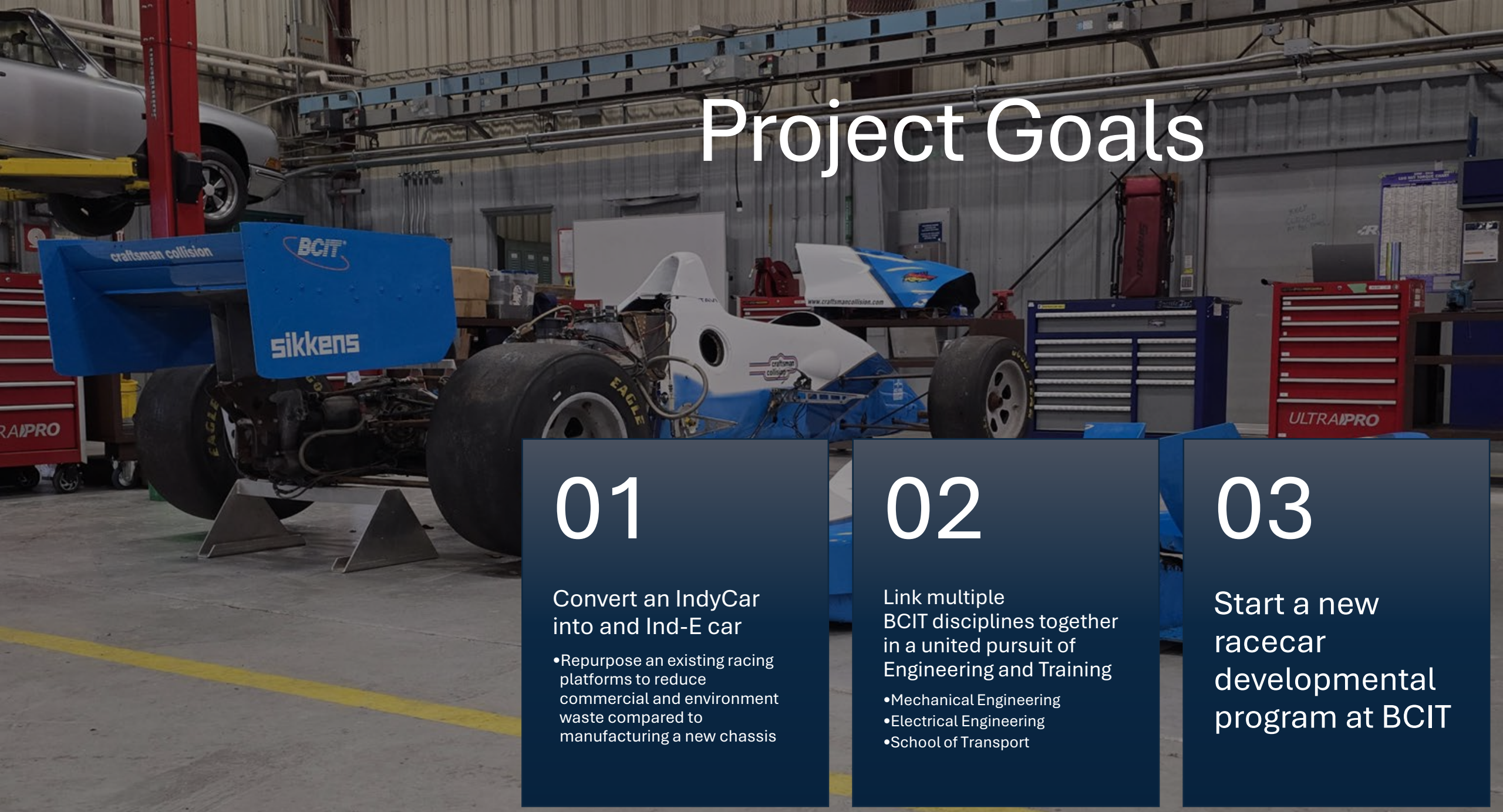
GOODYEAR

Agenda

- Project Goals
- Teams
- Project Scope
- Challenges
- Solutions
- Questions & Comments

Project Goals



01

Convert an IndyCar into and Ind-E car

- Repurpose an existing racing platforms to reduce commercial and environment waste compared to manufacturing a new chassis

02

Link multiple BCIT disciplines together in a united pursuit of Engineering and Training

- Mechanical Engineering
- Electrical Engineering
- School of Transport

03

Start a new racecar developmental program at BCIT

IND-E Teams

- Mech Team 1
- Mech Team 2
- Elex Team 1
- Elex Team 2
- Automotive Department

Project Scope

1

Replace the existing gasoline powered V8 with an electric motor

2

Replace the Fuel Bladder with an Accumulator and BMS system

3

Configure an existing BLDC Motor Controller and design a custom BCIT Controller

Challenges

- Scheduling shop time
- Communication between teams & Supervisors
- Preventing Scope Creep
- Acquiring Resources/Sponsors

Solutions

- Discuss Timetables with shop supervisors & schedule shop time
- Perform biweekly meetings with all PM’s & associated teams
- Clearly define project scope prior to beginning the project

Sponsorship Opportunities

Questions & Comments

Contact us via email:

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