

Desafio 100km 1litro



Open Hardware Summit 2013

MIT Boston

Jean-Luc Wingert



Rodrigo Magri



Brener Martins





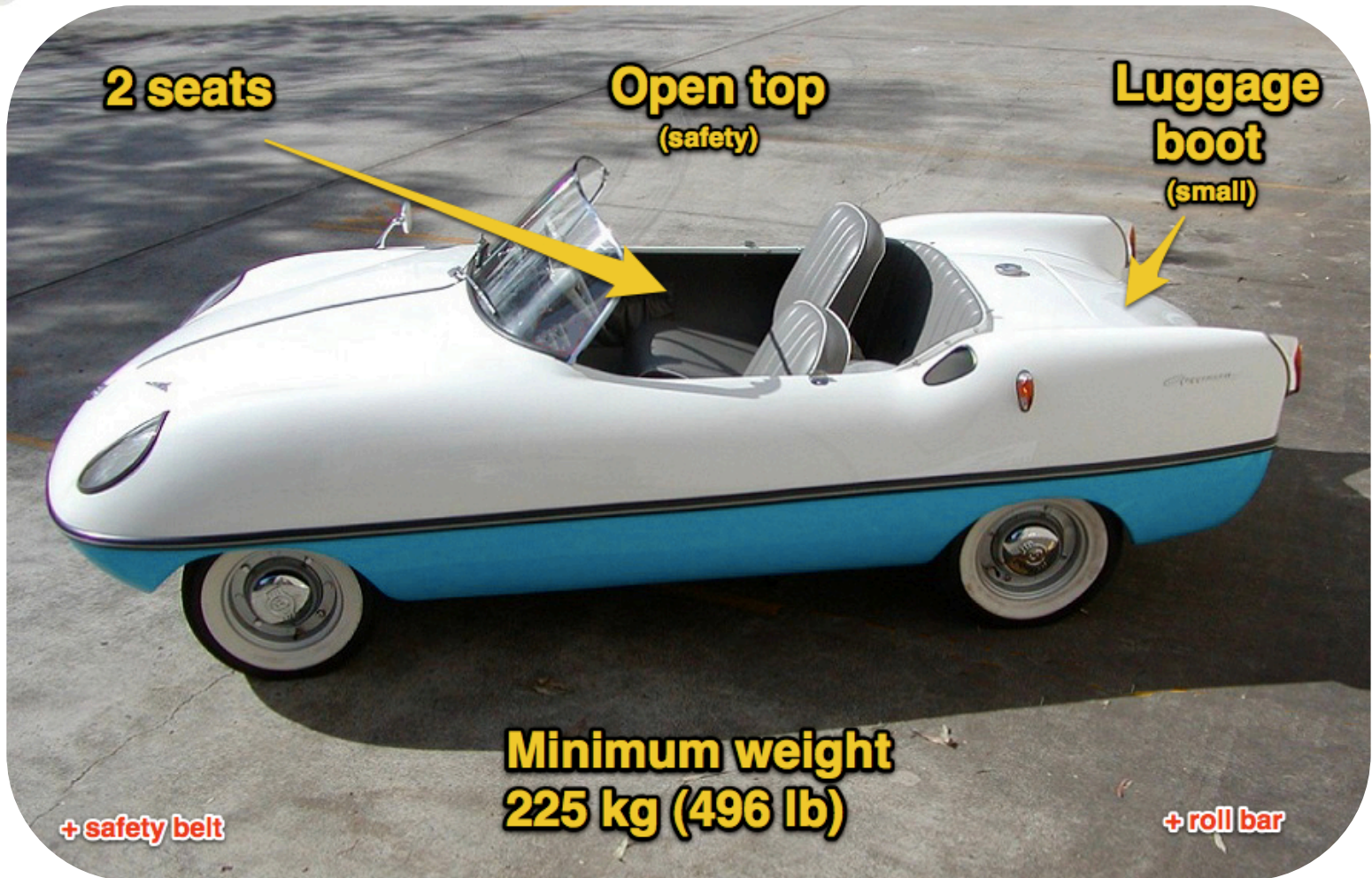
The challenge

*100km with only 1litre of petrol,
how fast will you make it ?*

- Cover the distance of 100 km with only 1 litre of petrol (**235 MPG**)
- Mix of collaboration, competition and fun
- Very energy efficient module for mobility available for all



Students build a prototype sports car





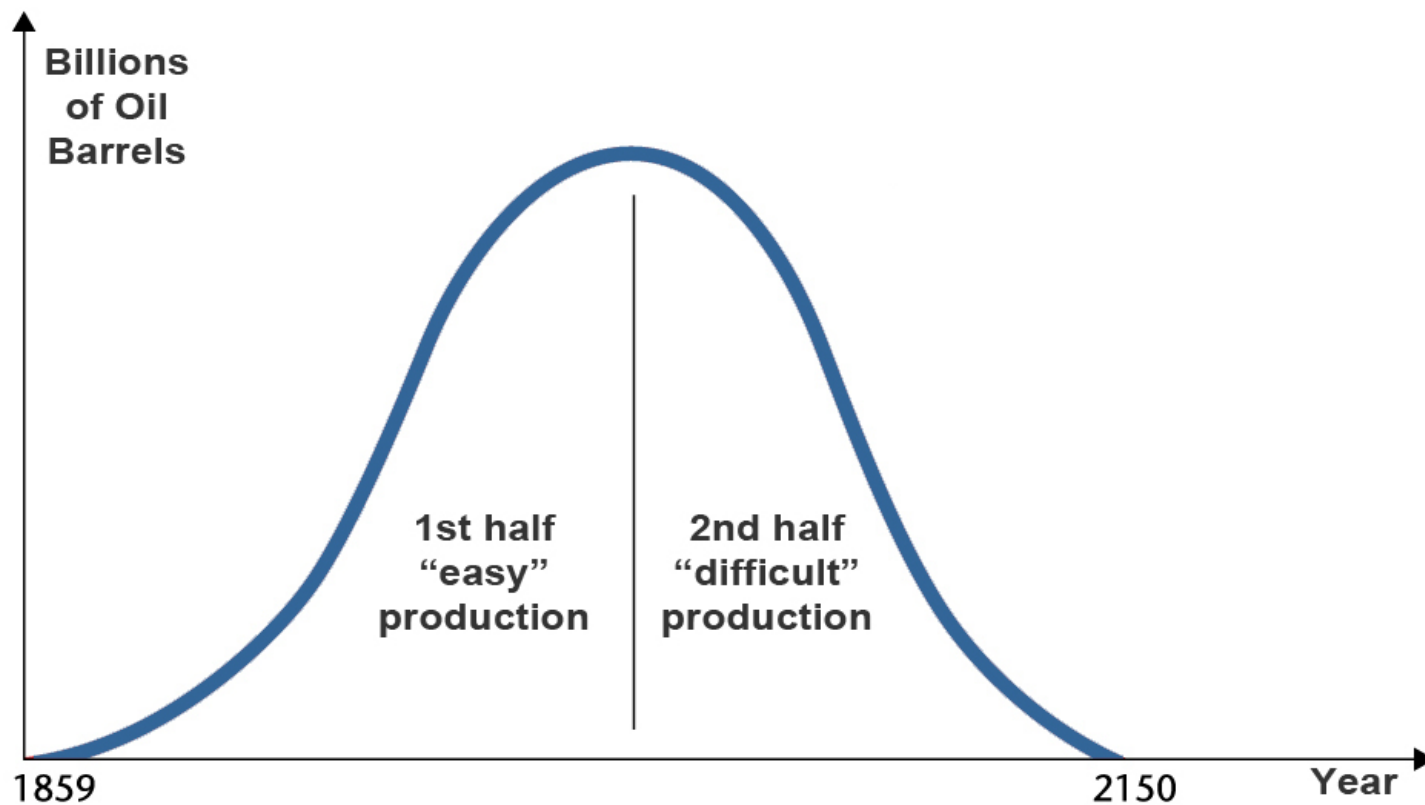
Module for energy efficient mobility



Dart Goggomobil 1959

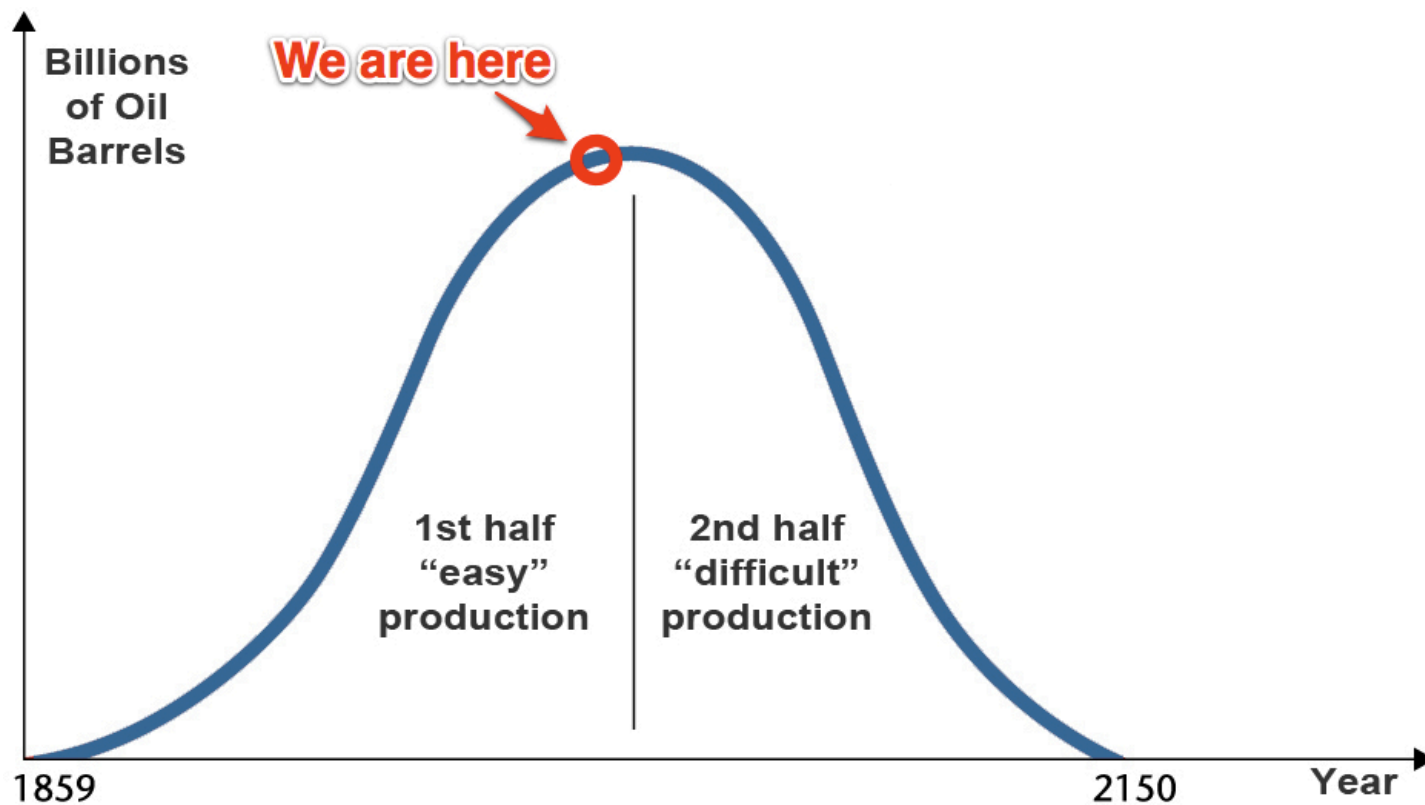


Be prepared for « peak oil »





Be prepared for « peak oil »





Vehicle building information kit

Information ideally needed to build and modify an Open Hardware vehicle (or device) :

What

- Design (Plans, BOM...)

Why

- Hypothesis made and reasons

How

- Building procedures



Choosing Open Hardware

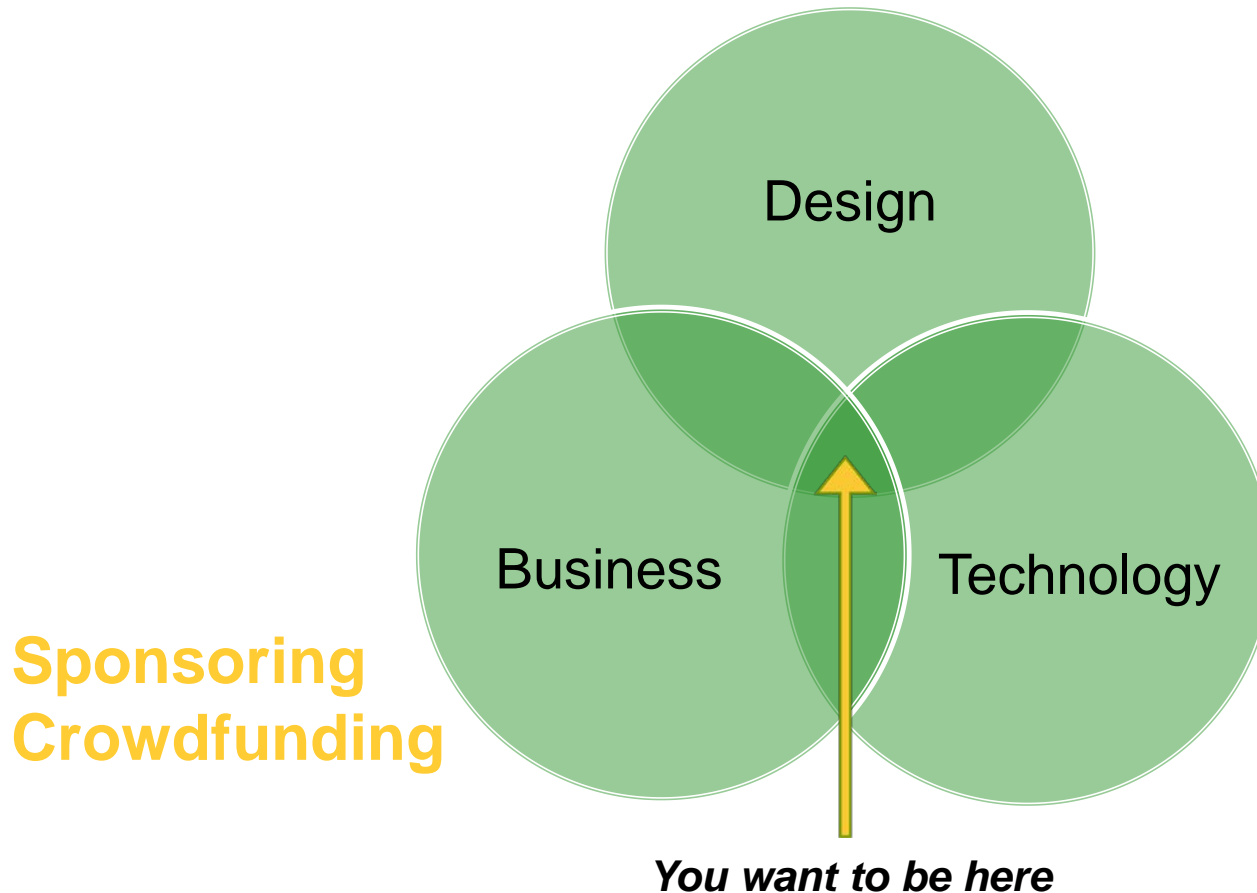
1. Classical benefits of openness : feedback and work better...
2. Collaboration prize and Innovation prize (eventually for new OHW Model)
3. Penalties to teams not respecting other teams' Open Hardware Model or licenses (but practically limited to obvious cases)
4. Teams allowed to release their designs to the public the day before the race only

Improving the overall collaboration process of the “**ecosystem**” by giving other teams great inputs to build their vehicles for the following year's race



Team complementarities

- To build a vehicle you need to manage more than technology...





On the island of Florianópolis





Partners

- The organisation team in Brazil is composed of students and teachers from



**UNIVERSIDADE FEDERAL
DE SANTA CATARINA**



- The event will take place in Sapiens Park in Florianópolis





Race track overview






Race track : 703.5 m (0.43 mile)





The event organisation

- 2 vehicle categories
 - Sports
 - Creative
 - 3 fuels
 - Gasoline
 - Diesel
 - Ethanol
 - 3 days
 - Day 1 : Free tests
 - Day 2 : Performance rounds
Qualifying rounds
 - Day 3 : Race
- 
- Technical team
 - Safety team
 - Track marshalls



Prizes

- Design Prizes
- Eco Design Prize
- Cooperation Prize
- Perseverance Prize
- Innovation Prize
- Special Jury Prize
- Grand Prize (just for Sports category)



www.100km1litro.com

Desafio 100km 1litro
Florianópolis 2014
100km with only 1 liter of petrol, how fast will you make it?

ABOUT RULES PARTNERS

AUG 5, 2013
Set up your team !

Want to meet the challenge, great :

1. Read the (short) document for teams
2. Contact us if you have questions
3. Pre-register online, it's easy and free

TAGS: [registration](#)

AUG 5, 2013
Join in !

Interested by joining the Desafio 100km 1 litro ? Just pre-register (it's free) by filling in the following form [here](#)

Two good reasons to pre-register as early as possible are :

1. For safety reasons the number of teams is limited, so make sure you are in.
2. The date of pre-registration is used to set the car number in the race

TAGS: [registration](#)

JUL 24, 2013
Download the rules

The official rules (**draft**) of the Desafio 100km 1litro can be found [here](#)

JUL 29, 2013

The event will be held on **Sapiens Park's** track on the island of Florianópolis in south Brazil

TAGS: [Floripa](#)

JUL 26, 2013
(Short) document for teams

A good document to start with containing usefull basic information about the Desafio 100km 1litro : [here](#)



More information

- Contacts
 - Jean-Luc Wingert
 - Jean-Luc.Wingert@100km1litro.com
 - +33 6 60 10 01 96 (France)
 - Rodrigo Fendrich Magri
 - Rodrigo.Magri@100km1litro.com
 - +55 (48) 9915 1981
 - Brener Martins
 - Brener.Martins@100km1litro.com
 - +55 (48) 9630 2768
- www.100km1litro.com
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