



# Leaf-spring KPIs



Structural verifications for structural integrity

MD. Mesoscale and continuum simulation for stress analysis

Mapping from process to performance

**Process modelling** 

**Technical and Business** data

Manufacturing metadata

**Technical Performances** 

- Stiffness
- Strength
- **Fatigue**

#### Manufacturing

- Quality control
- Cost
- Production rate
- Complexity
- **Flexibility**
- Manufacturability
- **Tooling**

## **Supply Chain**

- Material storage
- Logistics
- Availability of data

### Weight

- **♦ 10% 20% of the** unstrung weight

Material and structural

modelling

**Technical and Business** data

Business data and

metadata

#### Cost

- Production cost target
- **Recurring costs**
- Non recurring costs
- Material costs
- Manufacturing targets: cycle time options,
- Production cost target (Capital, Running Costs)

# Sustainability

- LCE
- Environmental profile
- Recycling/disposal

Material modelling

Data and metadata

data and metadata

Technical and Business