AdditiveLab Company
The people behind the company.

AdditiveLab BVBA foundation:

- Established 2018
- Based in Belgium, Leuven

Co-founders:

- Christian Rossmann & Mariam Mir
- Peter Mercelis (Co-founder Layerwise)
- CAE Simulation & Solutions (Developer LIMIT)

Combined experience:

- Additive Manufacturing: 30 Man-Years
- Simulation: 50 Man-Years
AdditiveLab Company

We develop and distribute AdditiveLab software and provide simulation services.
Metal Additive Manufacturing

Common AM challenges

Build-scale

Macro-scale

Micro-scale

Dross formation

Papadakis et al.

Univ. of Pittsburgh's
Metal Additive Manufacturing
Empowering process simulation to predict issues

Build-scale

Macro-scale

Micro-scale
Case Study
Reduction of Production Failures with more Process Insight

AdditiveLab predictive simulation of a Ti6Al4V bike seat-mast Topper
[Courtesy Spencer Wright]
Case Study
Reduction of Production Failures with more Process Insight

Support delamination during manufacturing

Simulation of high stress concentrations
Case Study
Reduction of Production Failures with more Process Insight

Excessive deformation after manufacturing

Simulation of affected, deformed region
AdditiveLab Software
For Researchers, Machine Data preparers, Designers

AdditiveLab Research
AdditiveLab LITE
AdditiveLab - Summary

AdditiveLab is a small, dynamic and unrestricted team with expertise in the AM and simulation field
- Developing and distributing AdditiveLab Software
- Providing simulation services to industry and academia

Simulation offers engineers
- Prediction of AM process outcomes on different scales with different levels of detail
- Identification of critical regions in part-support configurations, excessive deformations, stress concentrations, high temperatures