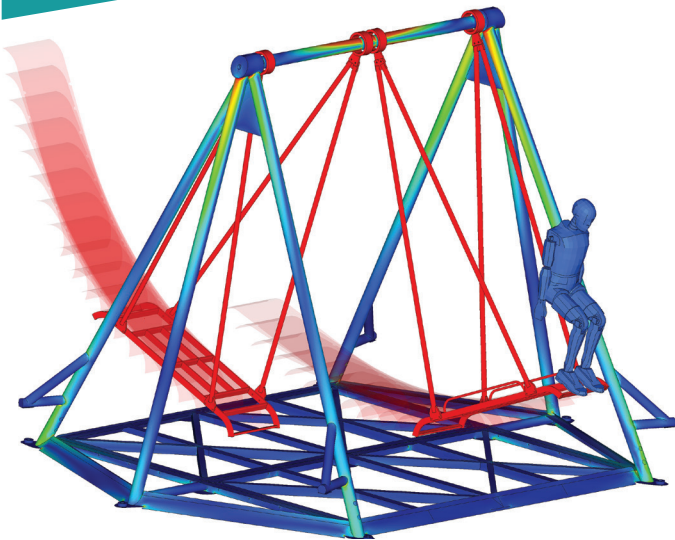


and the Themed Entertainment Industry

Unleash the potential of your *creativity*

Lx Sim offers a complete solution to validate and improve the efficiency of mechanical systems for the entertainment industry (acrobatic equipment, fixed and moving structures, etc.) It includes the analysis of the client's objectives, our unique sim-optimization service and on-going follow-up services.

Our sim-optimization services, the perfect blend of technically advanced simulation and optimization of parts and systems, explores creative ways to achieve your design while taking into account all safety requirements.



Success Story: Dragone Studio



THE CHALLENGE:

To develop a more efficient yet safer Russian swing

Dragone needed to develop a new double Russian Swing system for the Xishuangbanna Show, allowing for up to 8 artists to perform simultaneous acrobatic manoeuvres on the double swing during the show.



THE SOLUTION:

A turnkey sim-optimization approach

- Analysis of the preliminary design;
- Calculations to determine the more critical loading scenarios (more than 20 loading conditions considered);
- In-depth simulation of the assembly using state-of-the-art equipment and finite element software;
- Implementation of proposed modifications to improve the capacity and safety of the assembly;
- Sustained communication with the manufacturer to insure that the design remains cost-effective and respects the originally estimated manufacturing lead-time;
- Validation and certification of the final structure.



THE RESULTS:

Flying higher, better, safer



+ 50% Safety and resistance improvement
Achieved cost target



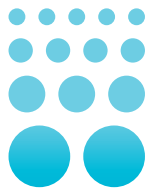
Less than one month lead time

Testimonial



Our collaboration with Lx Sim has allowed us to improve our design process, both mechanical and visual, with the use of their many optimization tools as well as their analysis of finite elements. Their expertise and ability to adapt to changing situations is an undeniable asset, a direct result of the quality of the employees who were assigned to us. The company's understanding of our discipline – namely, circus arts – has proved to be very important in the development of our different projects.

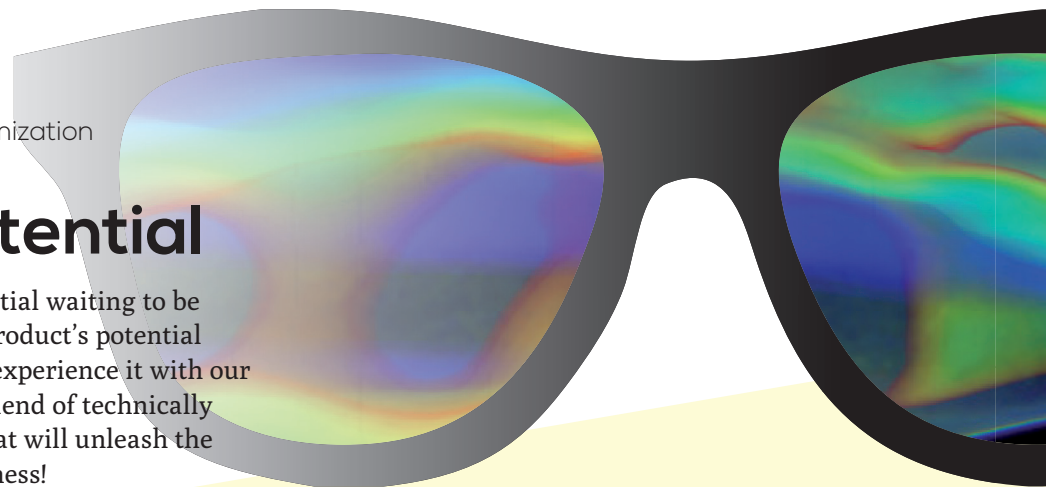
Simon Lemieux, PROJECT MANAGER / DRAGONE STUDIO - ARCHITECTURE & DESIGN



Product
sim-optimization

Unleash the potential

We believe everything has a hidden potential waiting to be revealed... Our goal is that you see your product's potential by looking through our glasses. You will experience it with our "sim-optimization services," the perfect blend of technically advanced simulation and optimization that will unleash the potential of your product...and your business!



LX SIM complete technical and business package

Sim-optimization services: Taking your challenges head on

Using both simulation and optimization in order to get the job done in the most cost-efficient way and to tackle challenges: increased solidity or flexibility, feasibility of equipment and more.



Complete sim-optimization: modelization, simulation and optimization



Weekly reports



Live technical and business results presentation



Detailed final report

Industries :

Sports, Entertainment, Defence, Transportation and Industrial products

Strong start services: Understanding and acting at once

Thanks to our expertise and technology, we are able to quickly understand your objectives and challenges so improvements can start right away and keep you ahead of competition.



Technical and business situation analysis



Adapted in-depth proposal



Original & benchmark product analysis



Work schedule and planning

Long-term improvement services: here for the long run

As long as your situation and needs change, we will be there with adapted solutions and technologies. Always looking ahead for technical and business constant improvement.

- Technical training
- News and trends
- Business support presentations
- Advisory committee "on-demand" expert