



Professional Analysis and Consulting, Inc.

John Massale, P.E.

Senior Engineer

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630.466.4040

Present **Professional Analysis and Consulting, Inc.** – Lisle, Illinois

Provide expert witness and technical assessments regarding consumer product liability. Advise clients involved with consumer goods manufacturers and importers on design, testing, and applicable regulations. Services based on 15 years of industry acumen, laboratory experience, and firsthand regulatory insight. He specializes in furniture tipover, infant nursery goods, toddler toys, and child-resistant packaging. As an engineer in the testing lab of the US Consumer Product Safety Commission (CPSC) he performed over 60 product failure investigations. Additionally, he served as the primary government representative to multiple standards bodies that covered categories like baby walkers, magnets, science kits, pacifiers, ride-on toys, laundry pods, and durable infant products.

2016-Present **Massale Consulting, LLC** – Denver, Colorado

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2016-2020 **SCS Global Services**, Denver, Colorado

Audit Volatile Organic Chemical Emissions of commercial and residential flooring for conformance to air quality standards. Included manufacturing site visits. Employment of ISO 9001, California Specification 01350, and a proprietary certification system.

2008-2016 **US Consumer Product Safety Commission**, Rockville, Maryland

Held multiple positions leading technical projects. All duties focused on protecting the general public through testing, research, documentation, and analysis of statistical and experimental data.

- *Furniture Safety*

Served as subject matter expert on individual forensic investigations. Liaison to international furniture manufacturer as part of recall settlement, worked alongside designers and engineers to create safer furniture. Led group of peers

in project to take a “snapshot” of the US furniture marketplace. Delivered comprehensive report and presentations to political appointees.

- *Children’s Toys*
Performed and managed the execution and sample flow of 350+ unique tests per year. Implemented new tracking system to increase on-time completion rates from 78% to 98%

- *Lab Lead*
Performed 60+ forensic investigations to support legal action in the Durable Children’s Product division.

- *Packaging Engineer*
Performed enforcement of Child-resistant and Senior Adult Use Effectiveness for Poison Prevention Packaging Act.

- *Engineering Technician*
Built fixtures to conduct experiments using CNC machining and welding experience. Responsible for forklift and heavy equipment training and maintenance.

ACADEMIC

M.S. Colorado School of Mines – Chemical Engineering (2020)

B.S. Virginia Polytechnic Institute and State University (Virginia Tech) – Biological Systems Engineering (2008)

PROFESSIONAL REGISTRATION AND AFFILIATIONS

- Professional Engineer, State of Colorado (License No.: 0052335)
- National Society of Professional Engineers (NSPE)
 - Programs Coordinator, Colorado Central Chapter (2017 – 2018)
 - Treasurer, Colorado Central Chapter (2019 – Present)
 - Secretary, State Chapter (2018 – 2019)
- ASTM
 - F15 Committee on Consumer Products
 - U.S. Government Representative to subcommittee on toy safety
 - U.S. Government Representative to subcommittee on furniture safety
 - F3159 Standard Safety Specification for Liquid Laundry Packets

- U.S. Government Advisor in development of new packaging standards
- WK60454 Specification for Torch Fuel and Lamp Oil Packaging
 - U.S. Government Advisor in development of voluntary standards addressing hazards

PATENTS

1. Massale, John, Hills Point Industries, LLC, “Slipcover Strap Hook” US 11,122,912 B2 (September 21, 2021)

PRESENTATIONS

- *Staff Briefing Package on Furniture Tipover, 2016*
Main author detailing the current state of the American furniture market. Assessed known incidents and contributing factors, potential solutions, and surrounding economics.
<https://www.cpsc.gov/s3fs-public/Staff%20Briefing%20Package%20on%20Furniture%20Tipover%20-%20September%2030%202016.pdf>
- *Preliminary Evaluation of Anchoring Furniture and Televisions Without Tools, 2015*
Provided general public with low-cost, easy to install solutions for anchoring residential furniture to reduce fatalities.
<https://www.cpsc.gov/s3fs-public/pdfs/Tipover-Prevention-Project-Anchors-without-Tools.pdf>
- *Toy Safety in Canada and the United States, Regulatory Overview, Updates, and Cooperation, 2015*
Featured Speaker, TIA Toy Fair, New York, NY.
Delivered update to industry on changes to legislation and harmonization efforts in US and Canada.
http://www.toyfairny.com/PressRoom2/News/2015_News/TIA_s_Annual_Toy_Safety_Update_to_Take_Place_at_Toy_Fair.aspx
- *Holiday Safety Hangout, 2013*
Technical Expert on Toys
Live Q & A and informally prepared remarks on common toy safety hazards found around the holidays.
<https://www.youtube.com/watch?v=u8wNWCd2o68>
- *Summary of ASTM F963-11, 2013*
Featured speaker
Webcast in partnership with Chinese sister agency (AQSIQ) to International Toy manufacturers