

inVision Technology, LLC
inTerclik™
Cellular Core Technology

“We make (im)possible ”

inVision Proprietary Information



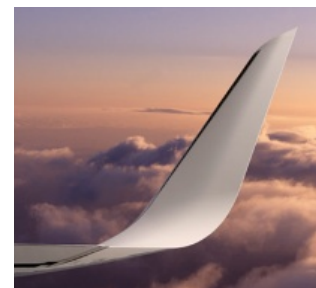
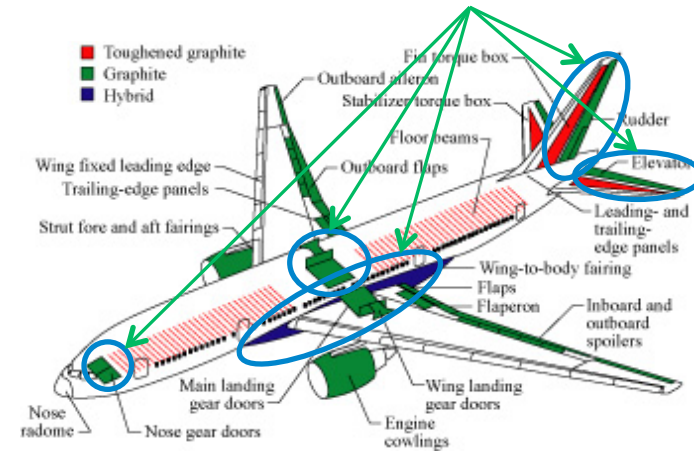
inVision

inVision's Founder – Bill Rodman

Bill Rodman

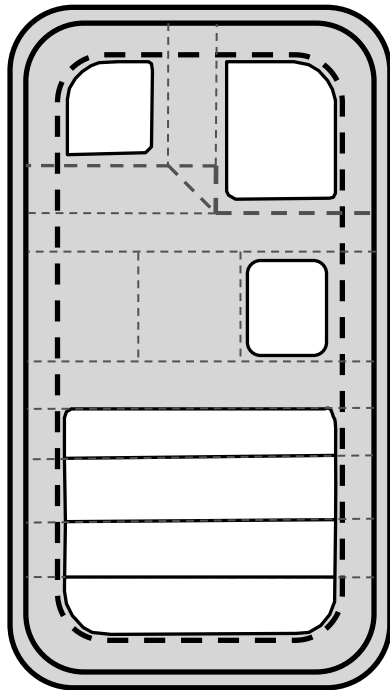


- Management & Development
 - 777 Structures
 - Refrigerated Rail Car
 - 737 Winglets
 - Hawker 125 Winglets
- Business Ownership & Management
 - True North Consultants \$2.5M/yr
 - Aviation Engineering
 - Hasbro Website
 - RFR Thoroughbreds

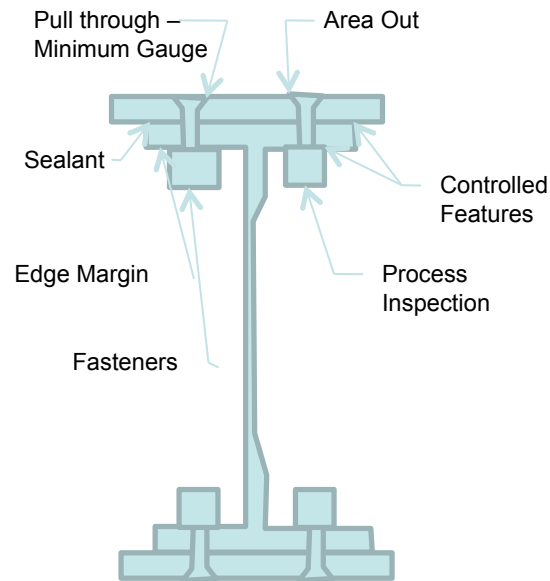


“Impossible” structure is hard to build

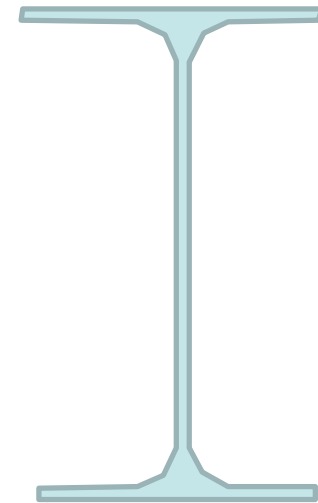
Aircraft Passenger Door



Existing Method



Our Technology

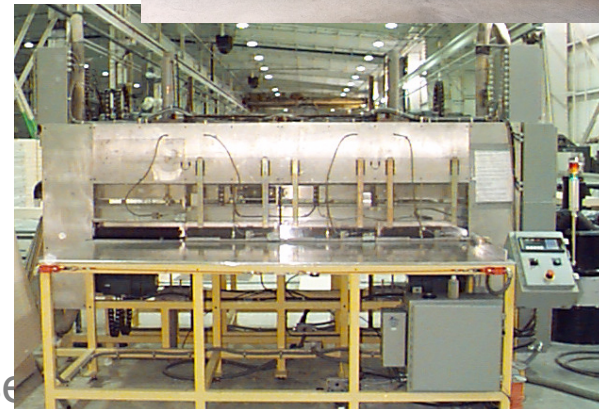


Cheaper, lighter, stronger, and better

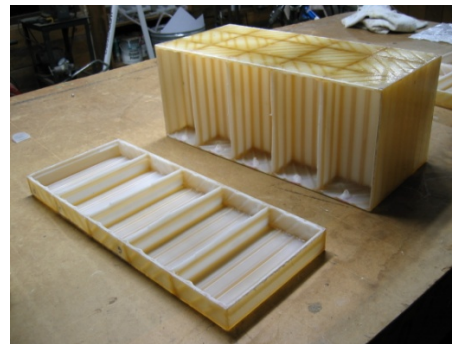
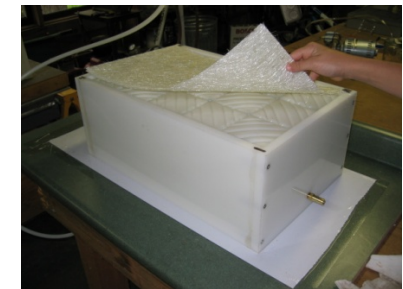
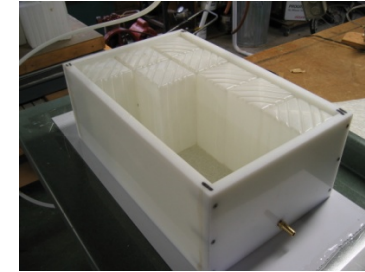
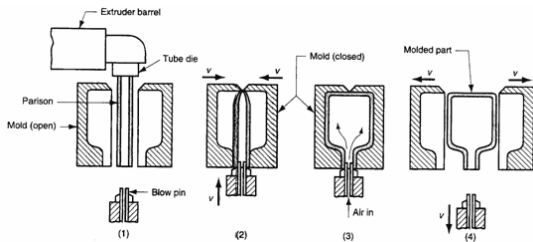


Specifics

- Enabling Technology
 - 1997 NIST Investment
 - Refrigerated rail cars
 - Bridges
 - Automated equipment
 - Wrappers
 - Micro Groovers
 - Underlying patent protection
 - 6,159,414
 - New patent pending features
 - 3-D Structure
 - Multiple (existing) Processes
 - Longerons, C's, J's, T's, I's
Frames, Ribs, Intercostals



Roots – Bridge Construction 101

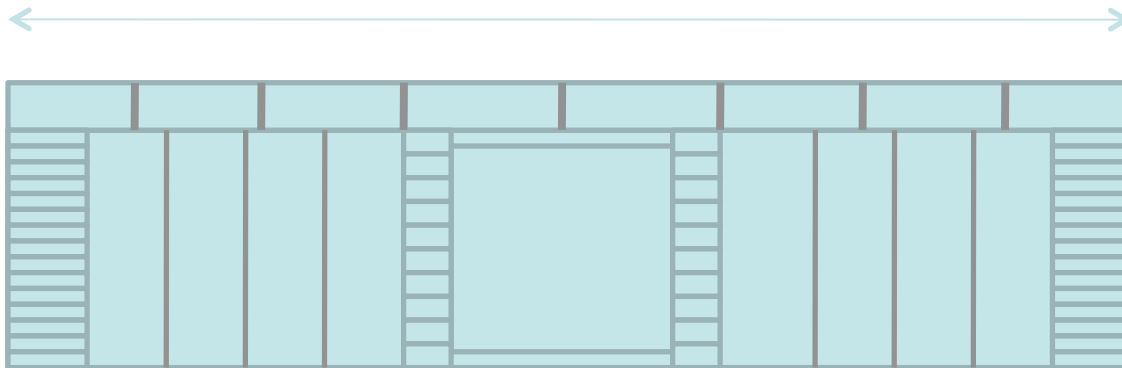


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Rail Car Layout

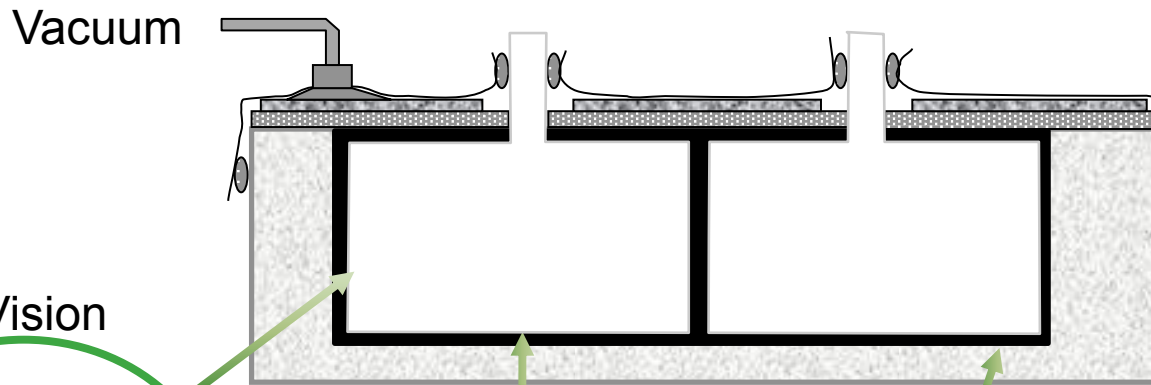
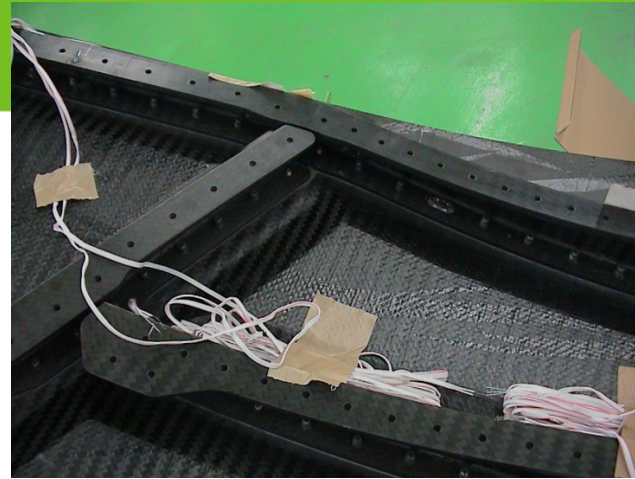


90 ft

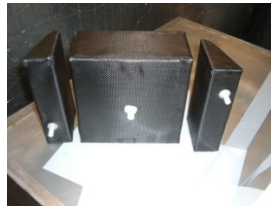
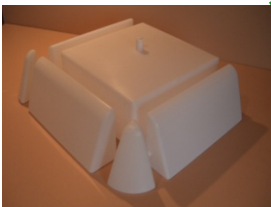


inVision's Paradigm Shift

How do you make this without changing any of the existing materials or process specifications?



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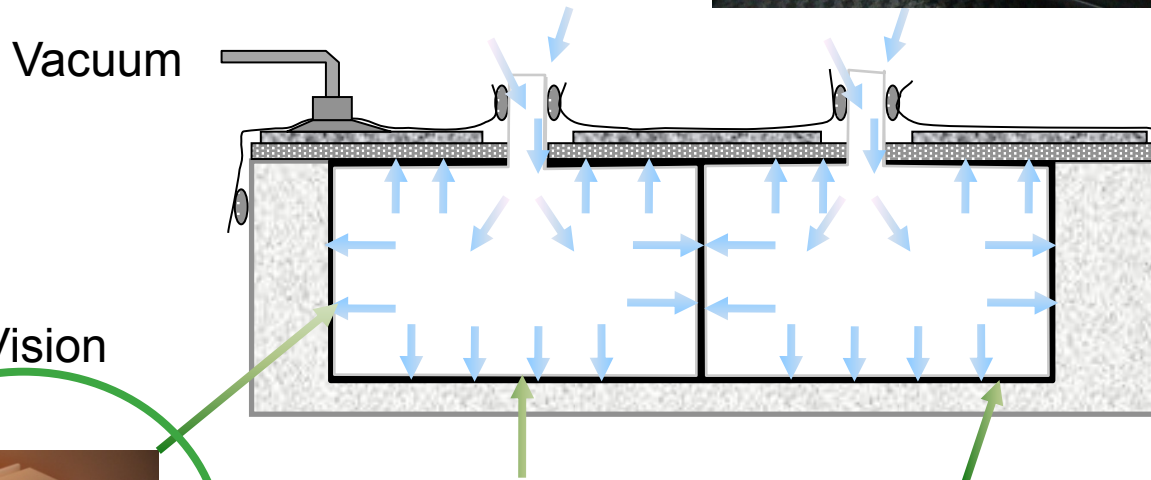
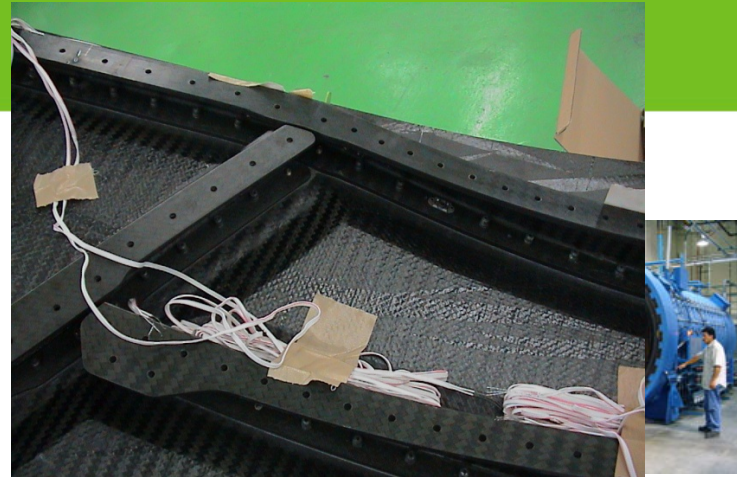


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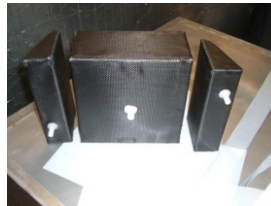
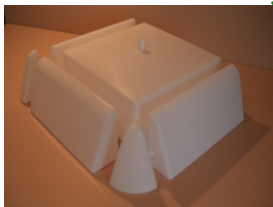


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How do you make this without changing any of the existing materials or process specifications?



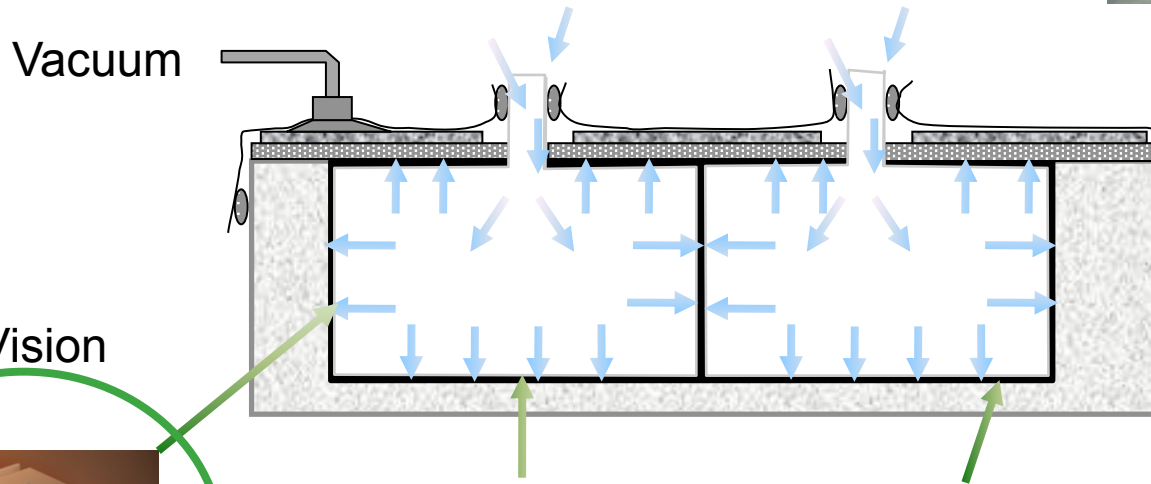
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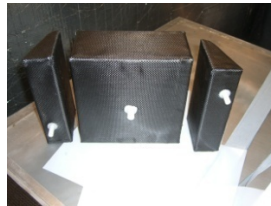
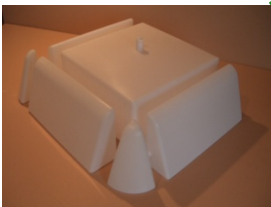
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inVision's Paradigm Shift



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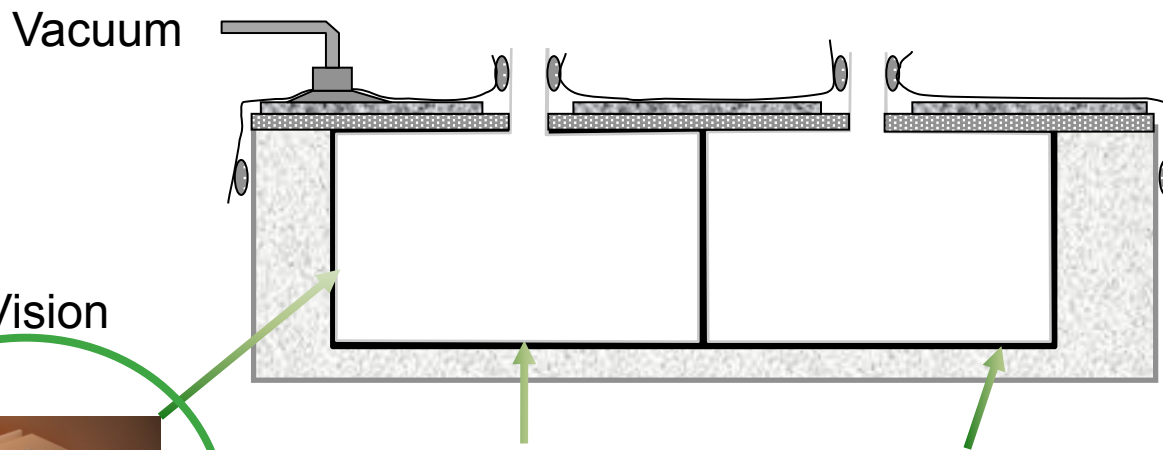


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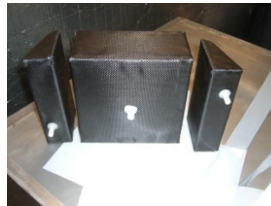
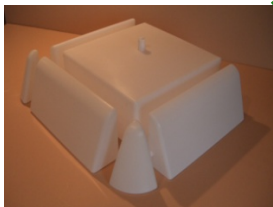


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inVision's Paradigm Shift



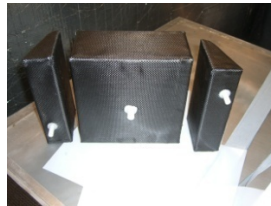
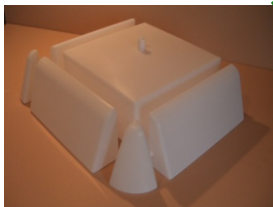
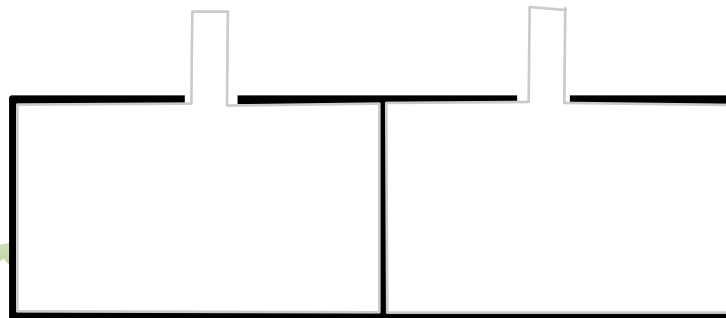
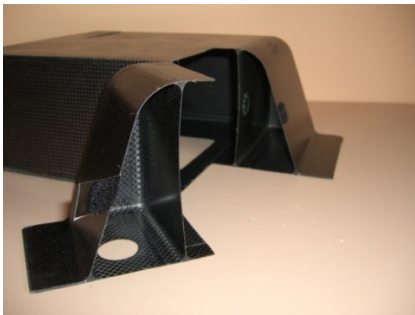
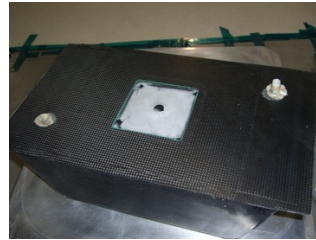
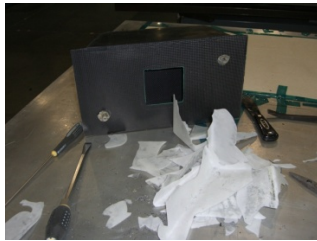
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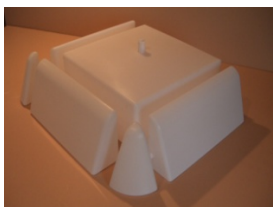
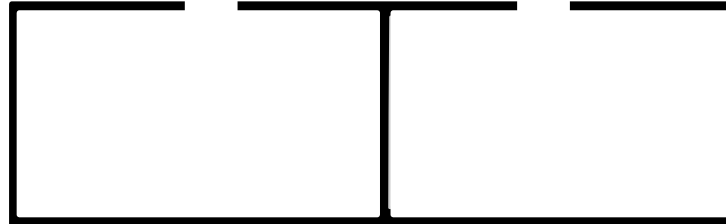
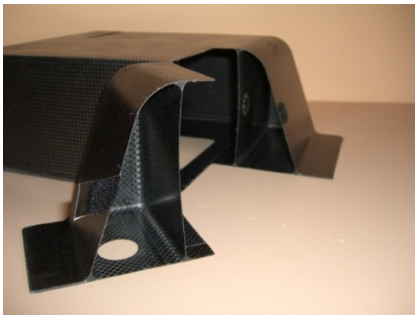
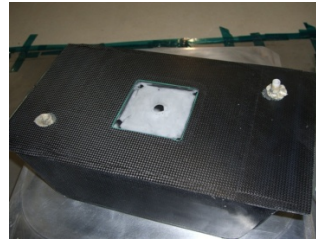
inVision's Paradigm Shift



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inVision's Paradigm Shift

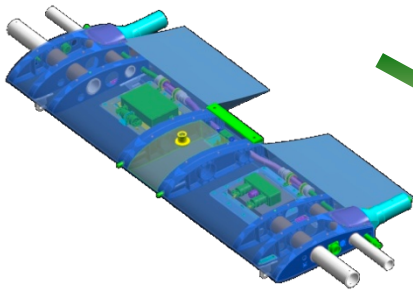


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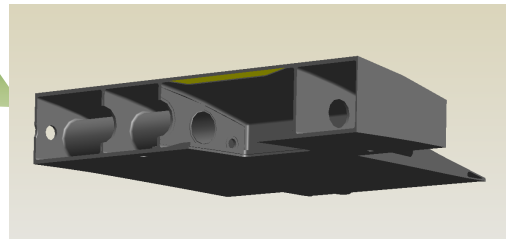
Translated into real structure

This

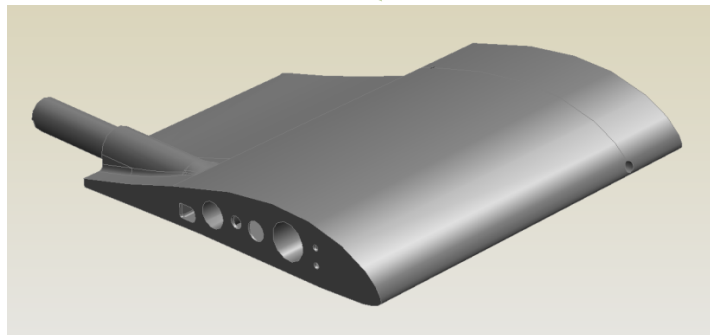
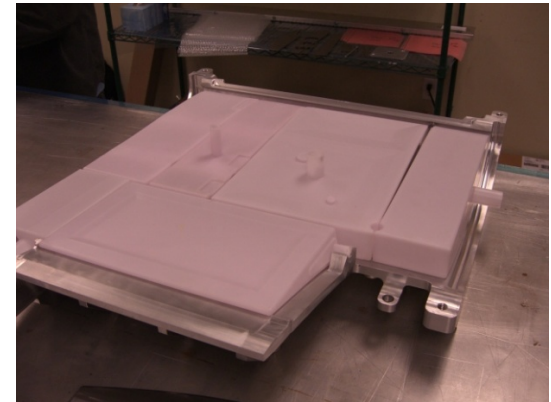


Assembled Wing Center Section

Becomes this



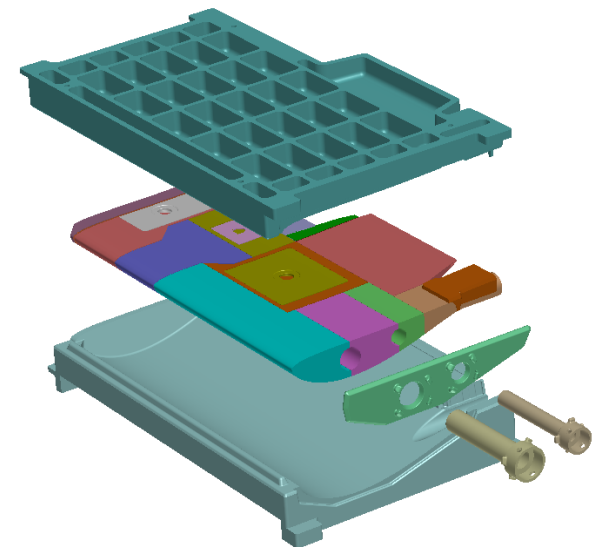
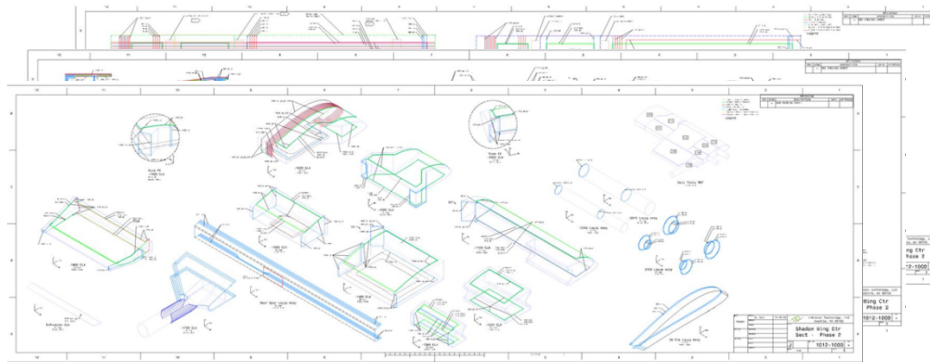
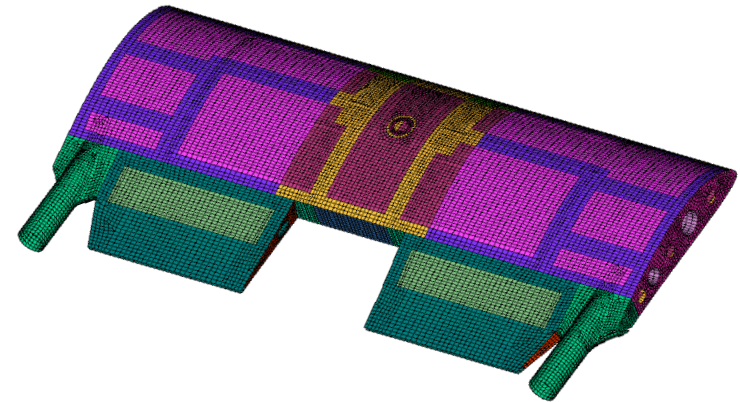
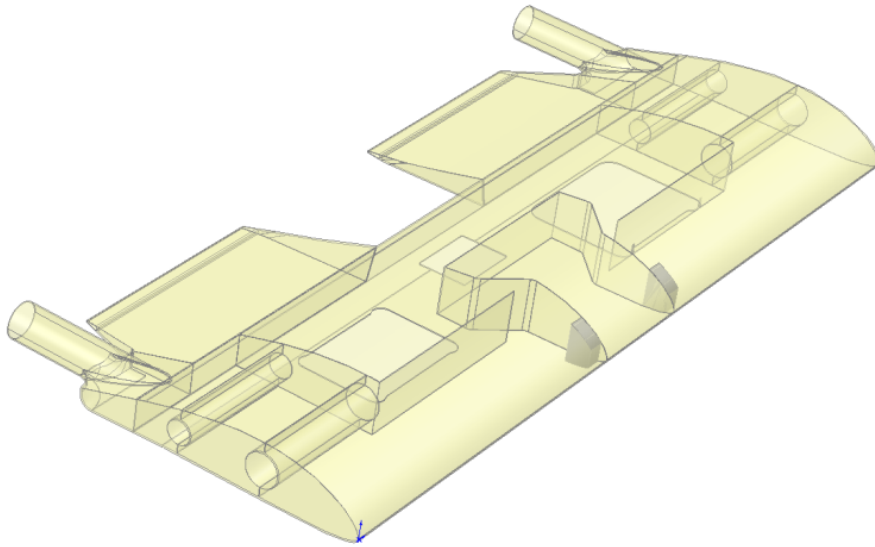
And then this



Integrated one piece composite

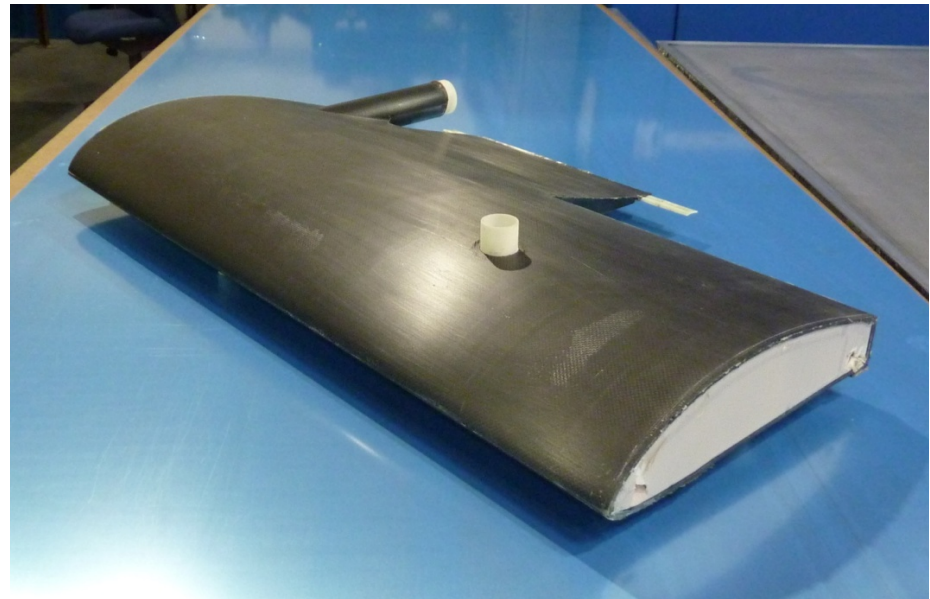
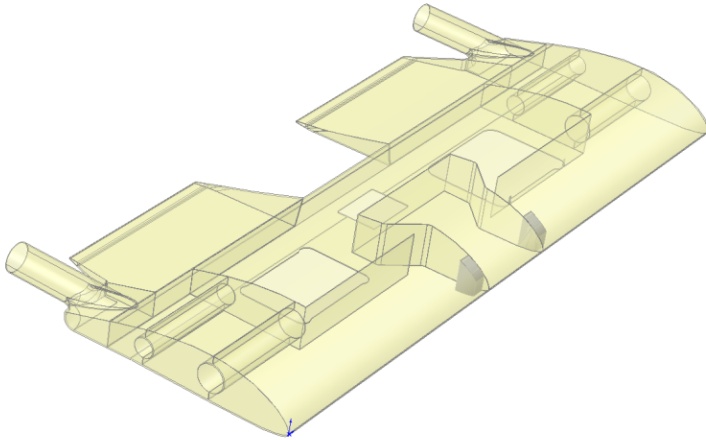


Fully Designed Static Test Article



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Fully Designed Static Test Article



40% Lighter

- Weight reduction happened because of improved load paths

20% Cheaper

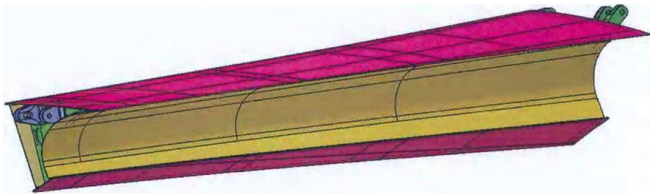
- Overall reduced assembly and piece parts

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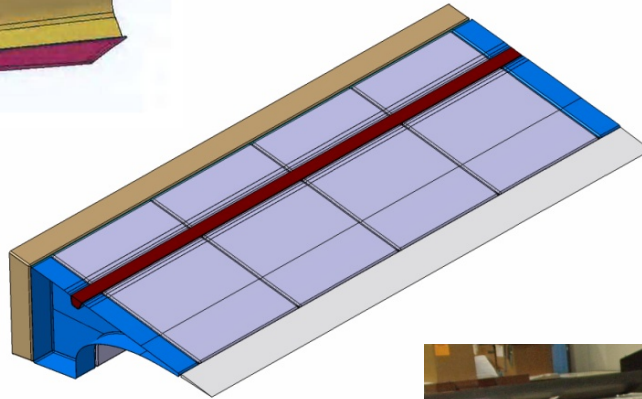


Another variation

This



Becomes this



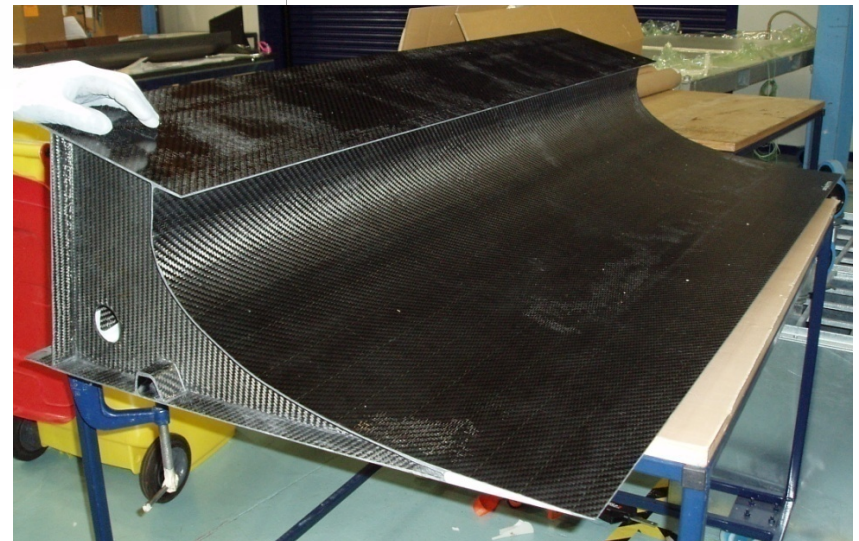
And then this

Integrated one piece composite
47% lighter, 20% cheaper

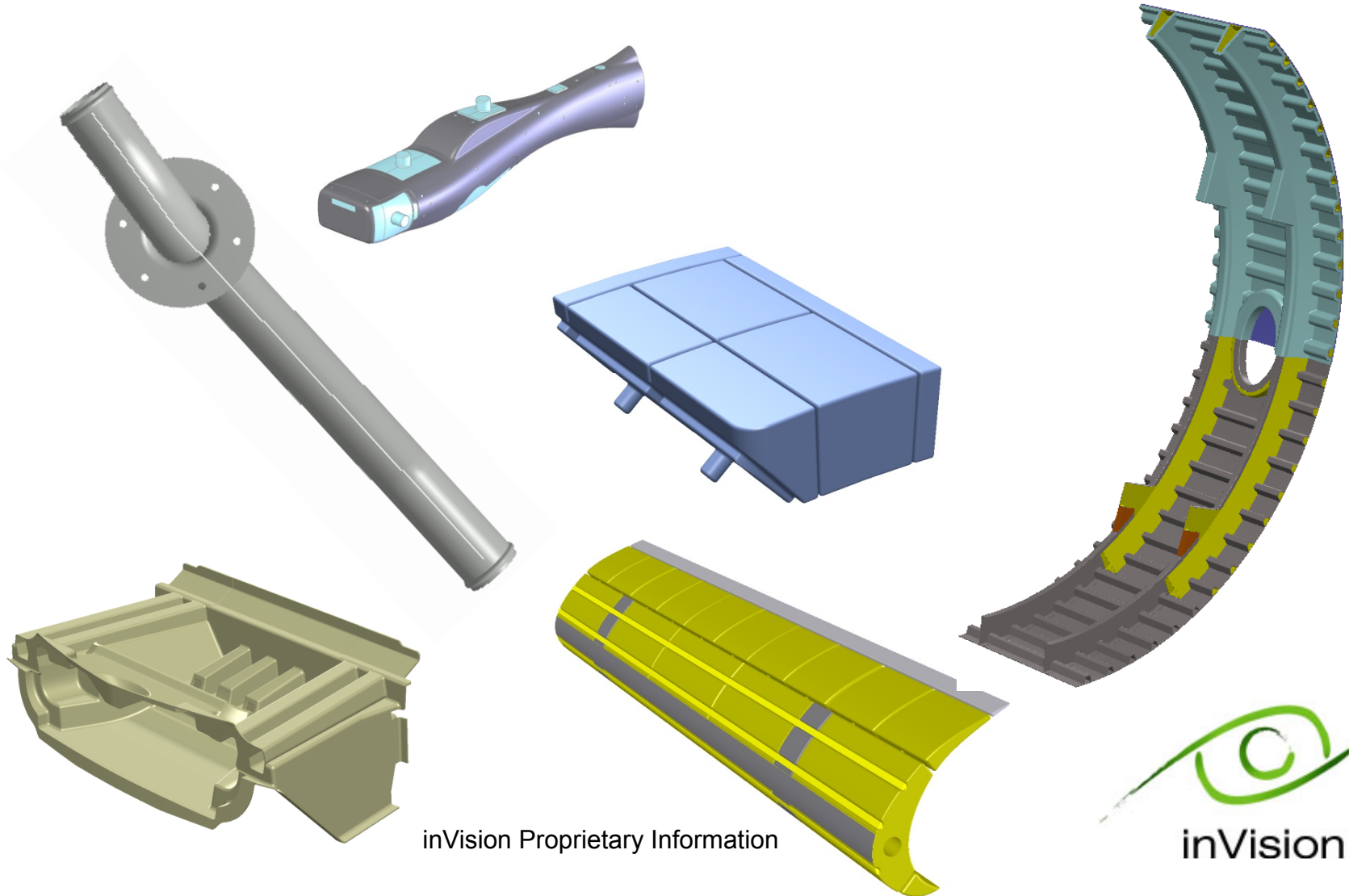
Can be made in Tier 3 Facilities

SAMPE Paper Available

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Other Concepts/Projects



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