



COMPUTER AIDED ENGINEERING CAPABILITIES

NATC Provides One-Stop Engineering and Testing Solutions

The Nevada Automotive Test Center recognizes that modeling and simulation are valuable tools in vehicle development to optimize design and minimize program risk. NATC offers a full range of Computer Aided Engineering (CAE) capabilities including full vehicle dynamic modeling/simulation, Controls Systems modeling and integration, Finite Element Analysis (FEA) with fatigue prediction capability and Computer Aided Drafting (CAD).

Vehicle Model Development and Validation

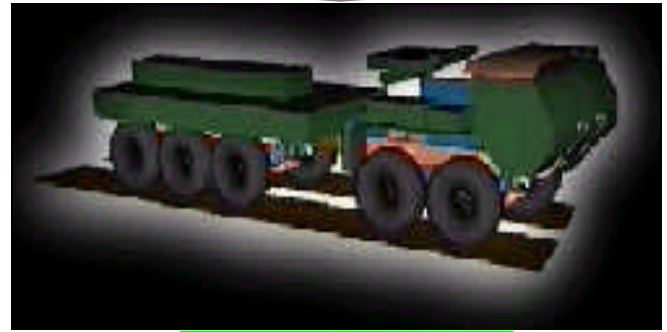
Coupled with our established world wide and North American Duty cycles, data acquisition, advanced engineering analysis and prototype fabrication capabilities, NATC provides the customer with one-stop solutions from design to product verification. Utilizing simulation tools including ADAMS, MATLAB, SDRG-Ideas, and several finite element analysis codes, NATC provides rapid design or corrective action development

NATC understands customer expectations and the demands placed on the vehicles they use. From USMC OMFTS to commercial public utility to standard vocational and over the road trucks we have developed validated dynamics models which include tire-soil interface parameters necessary to provide the level of simulation accuracy necessary to make design decisions.

Duty Cycle-Based Real World Testing



Dynamic Simulation

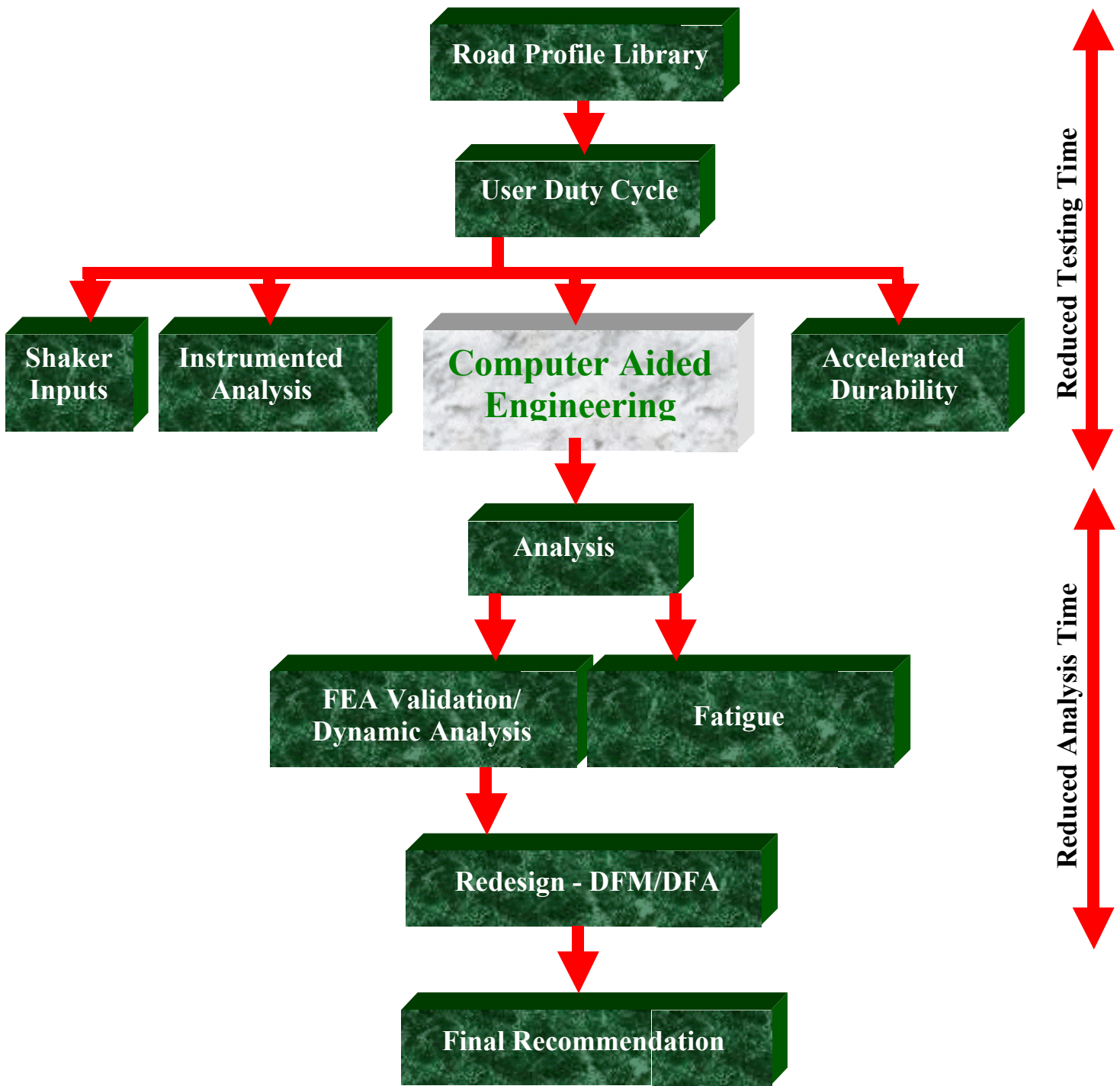


Rapid Prototype Development

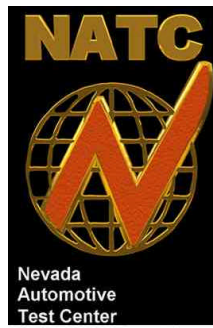


Successful Configuration





NATC, Providing "One-Stop" Testing Solutions in the Real World



A Division of Hodges Transportation Inc.™

A Division of Hodges Transportation, Inc.
Post Office Box 234, Carson City, Nevada 89702
Tel. 775-629-2000
FAX 775-629-2029
Internet - <http://www.natc-ht.com>
email - info@natc-ht.com

Real Time, Real World Solutions™