

# Endurica DT™

™

## INCREMENTAL FATIGUE SOLVER

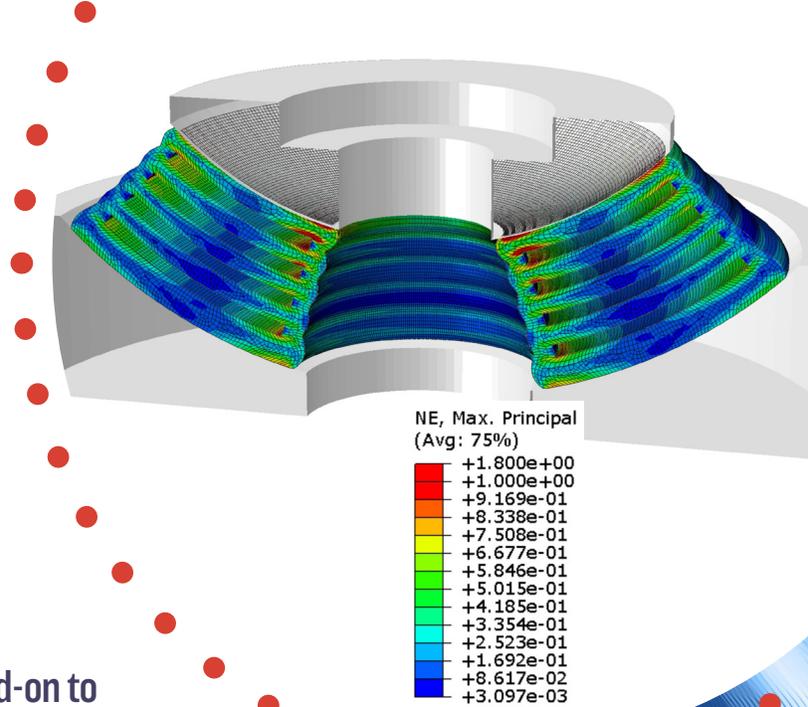
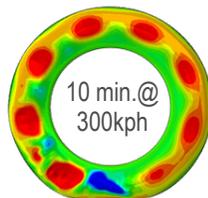
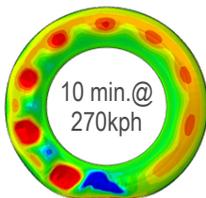
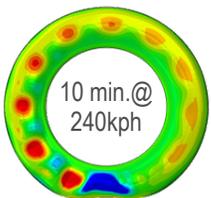
Endurica DT™ is our incremental solver and is an add-on to Endurica CL™. Give DT a series of load cases and it updates you on the remaining life of your rubber part. DT simulates how rubber changes over time.

## BENEFITS

- Realistic use cases. Match the load cases and schedule for simulation with what your part experiences during product durability testing.
- Realistic material behavior. Account for load and material property evolution with time.
- Realistic end-of-life criterion. Simulate stiffness-based end of life criteria (ie end of life at a percentage of component stiffness loss).

## FEATURES

- DT analyzes damage over a series of load cases that you specify (examples: block cycle schedule, FMVSS multi-step tire testing, histogram bins).
- DT tracks damage state evolution in terms of cycles applied, crack size, maximum-ever strain energy density, equivalent ageing time, and cyclic softening.
- DT calculates residual life / residual strength at the end of each scheduled load case.
- DT offers co-simulation workflows for ageing and cyclic stiffness loss analyses in which the stress-strain solution is updated due to material property evolution.
- DT offers a Digital Twin capability for structural health monitoring applications.



 2020 TIBBETTS AWARD WINNER

# Endurica

Get Durability Right®

# TECHNICAL NOTES



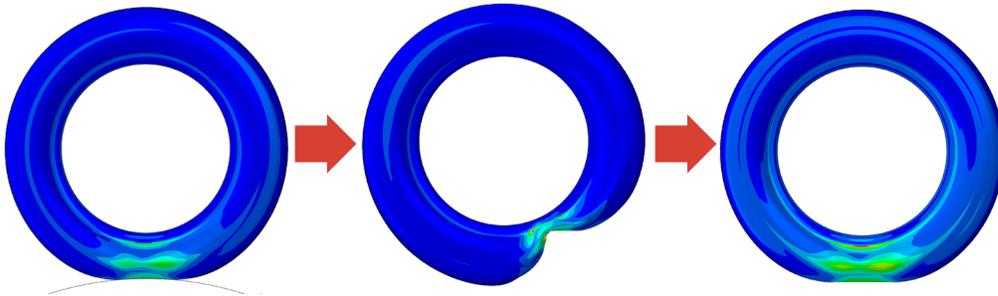
- Compatible FEA solvers: Abaqus, Ansys\*, MSC/Marc\*
- OS: Windows or Linux
- Licensing: node-locked or network shared, lease or perpetual

\*CoSimulation workflow not yet supported.

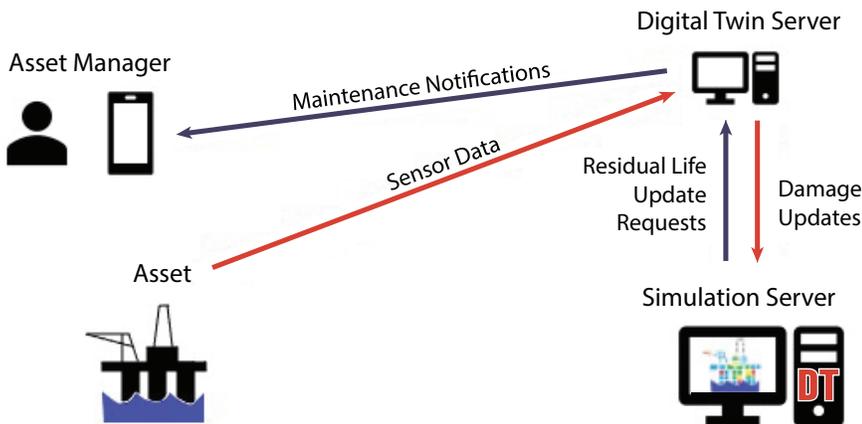
45 km(30min) Break-In

Impact

Run-Out



## Digital Twin Applications



# THE ENDURICA DIFFERENCE

Learn more at:  
[www.endurica.com/fatigue-solver-software/endurica-dt](http://www.endurica.com/fatigue-solver-software/endurica-dt)  
 Call today to request a trial:  
**419.957.0543**

# C-SUITE INSIGHTS



## DURABILITY WINS NEW BUSINESS

Show your customer who is the boss of durability. Let us help you win their business.

## RIGHT THE FIRST TIME SAVES BIG

Missing the durability qualification resets your development cycle and puts you back big time. Let us support your people with tools and expertise.

## GET THERE FIRST

Getting design decisions right for durability will get you to market faster.

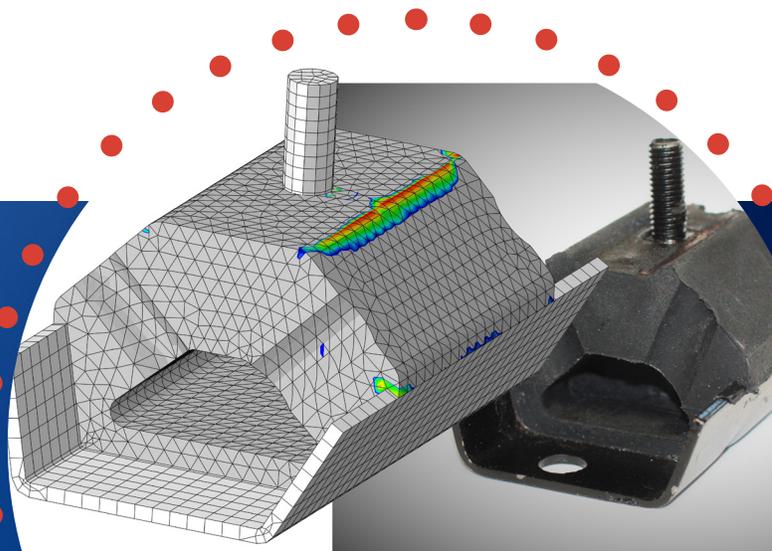
## START WITH QUALITY

Does your product still function after misuse or abuse? Calculate residual life to find out.

## FUTURE PROOF YOUR BUSINESS

Ask about our Digital Twin capabilities. Get durability online for your IoT and Big Data applications.

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