mwLoADS

by **more**wind
engineering solutions

make **more** out of your **wind** solutions

morewind Load Analysis and Distributed Simulation Toolbox

morewind has developed mwLoADS, a toolbox based on the leading open source wind turbine load simulation software FAST. It enables an efficient wind turbine engineering process.

Pre-Processing:
- Group based Load Case configuration
- Automatic generation of wind and model files
- FAST parameter configurable for each Load Case

Post-Processing:
- Time Series Viewer for various data formats with many analysis features
- IEC compliant Fatigue and Extreme Load Evaluation
- Load Extrapolation
- Power Curve Evaluation
- Load Set Comparison and Envelope
- Excel Reporting

Distributed Computing:
- Multithreaded job queue
- Job distribution within a network using the open source package HT Condor including GUI based job management
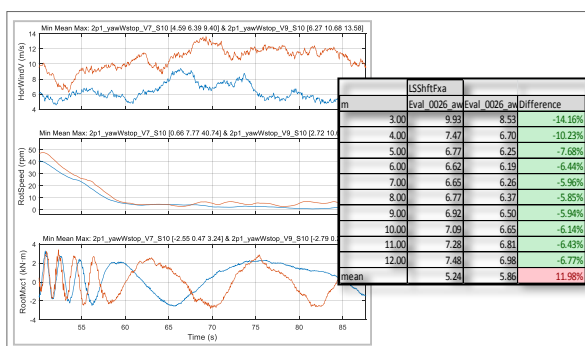
Highlights:
- Efficient parameter studies
- Structured engineering process
- IEC61400-1ed3, -2 and GL2010 compatible
- Used in several wind turbine design projects including certification

Applications:
- Load Analysis for small and large wind turbines including certification
- Development and testing of wind turbine control elements and strategies
- Site specific and fully customizable design conditions

Operating System:
- Windows

		LSShftFxa		
m		Eval_0026_aw	Eval_0026_aw	Difference
	3.00	9.93	8.53	-14.16%
	4.00	7.47	6.70	-10.23%
	5.00	6.77	6.25	-7.68%
	6.00	6.62	6.19	-6.44%
	7.00	6.65	6.26	-5.96%
	8.00	6.77	6.37	-5.85%
	9.00	6.92	6.50	-5.94%
	10.00	7.09	6.65	-6.14%
	11.00	7.28	6.81	-6.43%
	12.00	7.48	6.98	-6.77%
mean		5.24	5.86	11.98%

Contact:
morewind
engineering solutions GmbH
Friedrichstraße 11
D-18057 Rostock, Germany

Phone: +49 (381) 377 97 692
Fax: +49 (381) 377 78 951
E-mail: info@morewind-engineering.de
Web: www.morewind-engineering.de