

Mobileye have selected Synopsys' Z01X functional safety verification solution to meet ISO 26262 automotive safety compliance for next-generation SoC (system-on-chip) advanced driver assistants.



Mobileye Engineering Senior Vice President Elchanan Rushinek says for his company's complex, high-performance EyeQ4 product, the Synopsys Z01X solution paves the way "to reach our safety-related fault injection campaign goals in less time than competing software tools."

For their part, Synopsys say Z01X is the result of ten years' collaboration with automotive companies in fault injection testing, and Z01X's performance is the direct result of its concurrent fault simulation algorithm which enables thousands of faults to be simulated concurrently on each available processor, for significant acceleration of the verification process. Z01X also supports all permanent and transient fault models required by the ISO 26262 automotive functional safety standard.

On the back of increasing interest in their technology solutions, Mobileye posted strong results for 2015. Revenue increased by 68% to USD \$240m, which followed a 77% increase in the prior year to \$143m and non-GAAP net income rose by 142.3% to \$113.4m. Sales directly to OEMs accounted for 84% of revenues in 2015.