ESA STUDY CONTRACT REPORT –

Deliverable D 5.3
Virtual simulation software

ESA Contract No: **400114452/15/ NL/NDe**	SUBJECT: **Final, D 5.3** **Virtual simulation software**	CONTRACTOR: **Riga Technical University, Institute of Materials and Structures**
* ESA CR( )No:	No. of Volumes:1 This is Volume No:1	CONTRACTOR'S REFERENCE: **62518 (bidder code)**

ABSTRACT:

The current deliverable is a set of software developed within ESA Contract No 400114452/15/NL/NDe.

The software includes:

* Automated Surface Image Analysis (ASIA) toolbox for MATLAB - available in the "ASIA toolbox" directory.

* Two versions of Analytical Indentation Model (AIM) for MATLAB - available in the "AIM" directory.

* MAC script for MATLAB - available in the "MAC" directory.

* ColorThick - available in the "ColorThick" directory.

Software delivered to ESA on CD-base/USB, nevertheless it was made available the cloud: https://drive.google.com/file/d/1iFGlGJa43zUphgzMSdNmgJaKIhXWKIFv/view

All supported documentation of delivered software are described in D5.4 which is required for efficient implementation of the software.

The work described in this report was done under ESA Contract. Responsibility for the contents resides in the author or organisation that prepared it.
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Software disclaimer.

The disc contains software developed during the project with ESA Contract No 400114452/15/NL/NDe.

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* A full copy of project's website - available in the "Website (SIV, CAIV, AMCT)" directory.
  The website also includes the following developed tools:
  * Surface Inspection Viewer (SIV)
  * Compression After Impact Viewer (CAIV)
  * ANSYS Model Configuration Tool (AMCT)

All the provided software are licensed under the open source MIT license.

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