**Our thoughts on the “Beresheet” crash**

According to Wikipedia : "during the spacecraft landing on April 11, 2019,

it appeared that due to failure of one of the spacecraft's accelerometers,

a chain of events resulted in the engine being shut down and failure to land."

According to Jerusalem post : "A command intended to correct a malfunction in one of the Beresheet spacecraft’s inertial measurement unit led to a

chain of events that turned off its main engine during landing, according to a preliminary investigation conducted by SpaceIL."

According to Globes : "An initial probe by Israel Aerospace Industries and SpaceIL, following the crash on the moon of Israeli spacecraft Beresheet last Thursday,

showed a malfunction in the spaceship's acceleration measurement components, leading to a series of malfunctions that caused the engine to shut down.

The spacecraft failed to successfully decelerate for a soft landing on the moon, hit the surface with full force, and disintegrated."

Naturally there is a lot of information that is not available to us , but we made some assumptions :

One possible explanation for the crash, the accelerometer failed due to sun blindness. Once this gauge cannot function, it is not possible to guess the exact location of the spaceship in space.

Another explanation, space radiation has affected one (or more) sensors of the spacecraft and its computational ability.

One last but perhaps most important explanation, in recent lessons we have noticed the importance of a stable control system whose operations are supposed to be generic and stable for changes. Communication problems have taken up a relatively large space here. Therefore, a small error in the control system could jeopardize the entire mission.

One thing is perfectly clear, from the time the system was actually reset to the time the system re-emerged, the ship lost much altitude that was not able to control its landing as planned. In addition, the main computer failed to work according to the designed landing algorithm and it actually signed the project.

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