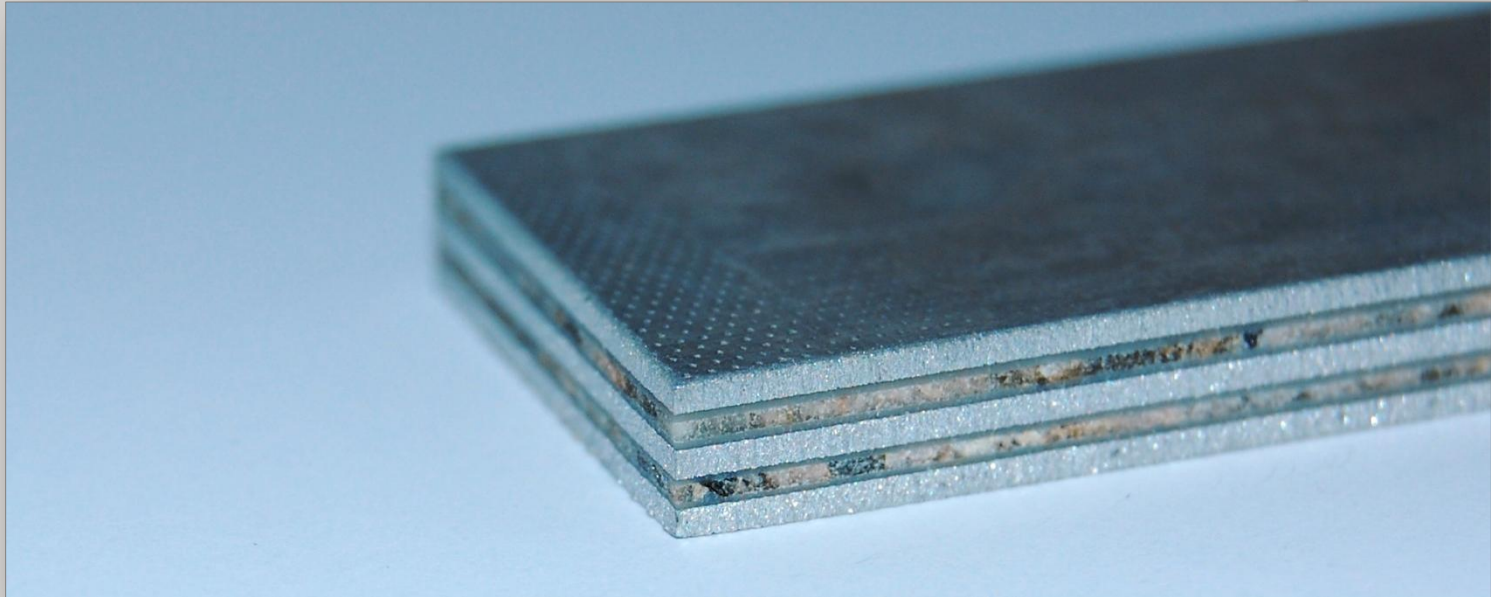




CONTRIBUTION TO THE  
**ICSAT 2010**  
CONFERENCE



**CORE METAL ALLOY**  
**A NEW SUSTAINABLE COMPOSITE ?**





**CHARACTERISTICS AND  
FEATURES**

**FIELDS OF APPLICATION**

**PRODUCTION**

**TESTINGS**

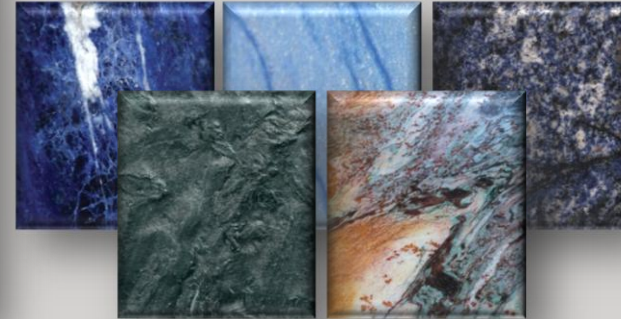
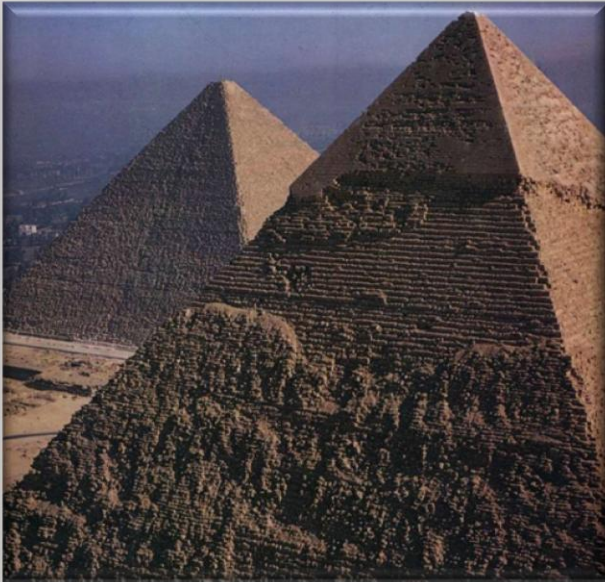
**SUMMARY**





- BIGGEST TERRESTRIAL PLANET IN OUR SOLAR SYSTEM – ALL OTHERS ARE MAINLY CONSISTING OF GAS
- PRIMARLY COMPOSED OF SILICAT ROCKS WITH A MASS OF  $5,974 \cdot 10^{24}$  KG
- ALUMINUM AND STEEL ARE WELL ESTABLISHED IN AUTOMOTIVE ENGINEERING
- USING BOTH ADVANTAGES LEADS TO THE CREATION OF CORE METAL ALLOY





## THIS IS WHAT MOST PEOPLE AFFILIATE WITH NATURAL STONE:

- STATUS SYMBOL
- SAFETY
- COLOR RANGE
- MARBLE