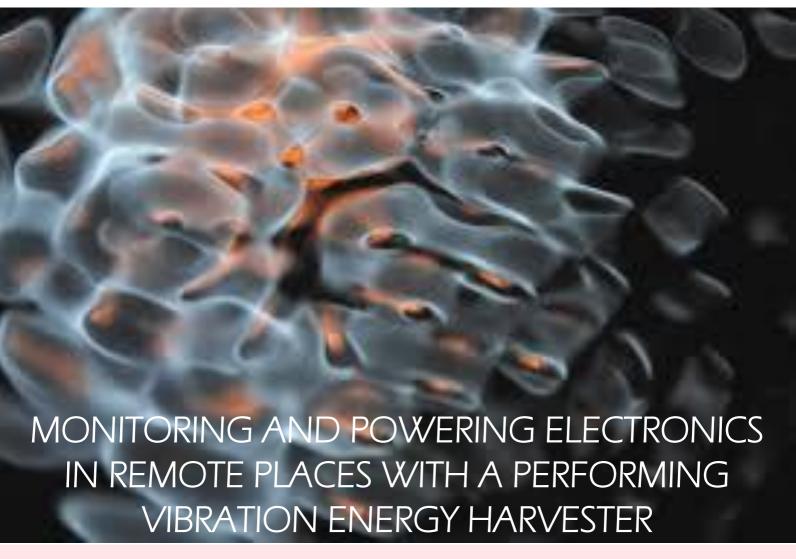
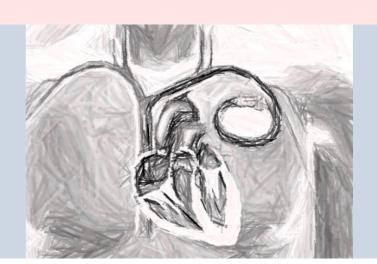
SMARTCOATINGS





Fast moving mechanical parts with no possible wiring and/or very harsh environment

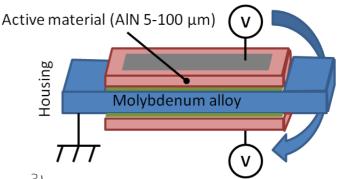
Embedded electronics with difficult access and need for absolute long term reliability (no failure allowed)



SMARTCOATINGS

A powerful AIN on metal based energy harvester

- Piozelectric layer grown on metal
- Tunable low frequency (5-500 Hz)
- Sturdy (deposited on metal plate)
- Small (typical size 10*50 mm)
- High voltage allowed (>30 volts)
- Powerful (>10 μw/cm², >280 μW/cm³)



PATENTED TECHNOLOGY





BENEFITS

- Long term reliability (years)
- Resisting to 500°C air temperature
- High electrical resistivity (> 108 Ohm.cm)
- Perfect adherence (chemical bonding)
- Thick active layer (5-100 μm): more power
- Can tolerate damage due to ductile susbtrate
- No lead, no rare materials



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