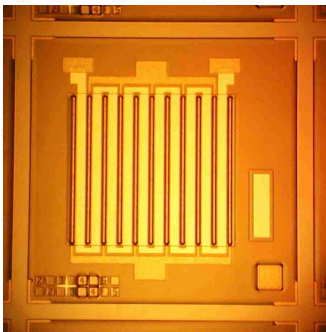


You cannot find a component on the market which meets your specifications?  
Now you can have this product tailor made.

Even for low and medium volumes, IBS can help you develop a product to fit your needs.

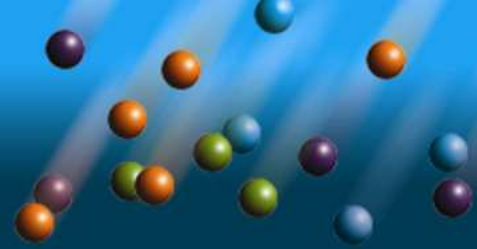
## FUNCTIONALITIES

- Radiation
- Thermal
- Chemical
- Mechanical



## REALIZATIONS

- Gamma dosimeter MOS
- Photodiode and PIN diode
- CHEMFET
- ISFET
- Thermal resistor
- Gas detector
- Pression sensor
- Solar cells



### IBS PROPOSITIONS:

- Design of discrete components
- Simulations
- Masks layout
- Process Integration and manufacturing
- A scalable subcontracting: from single steps to full component

### IBS PROCESSES:

- Oxidation and thermal annealing
- Deposits: PECVD, LPCVD, Sputtering, thermal evaporation
- Photolithography: down to 1  $\mu\text{m}$  definition / double side
- Etchings: RIE, IBE, wet, TMAH (anisotropic etching for Silicon)
- Ion Implants

### IBS CHARACTERIZATION:

- Microscopy and critical dimensions (including SEM, TEM, AFM)
- SIM / TOF-SIMS / AUGER
- Rsquare and junction measurement
- Mechanical and optical profilometers, ellipsometer
- Manual and automatic probers

