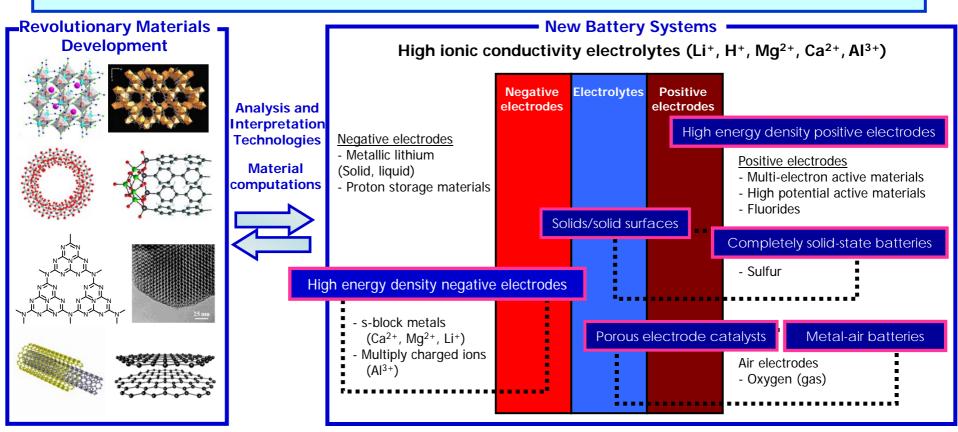
# Storage Battery System Development Based on Revolutionary Materials Development



## (i) Rationally designing and synthesizing materials on the atomic and molecular level

All battery materials such as active materials, electronics, electrolytes, separators, binders and interfaces, etc.

#### (ii) Developing new-concept storage batteries

Charge carriers other than lithium, high energy density electrodes, completely solid-state batteries and metal-air batteries

# (iii) Developing high level analysis and interpretation technologies, developing in situ observation methods

Electrochemical measurements on the picosecond level, TEM, synchrotron radiation XPS

## (iv) Developing material computation and simulation technologies

Predicting material characteristics and developing methods of calculating the dynamic behavior of ions and electrons and developing simulation technologies