# **Overview of "JSR Sustainability Challenge"**



# **Positive impacts**

Semiconductor Materials

reduce power consumption by 280 times.

display brightness and low-temperature curing

poised to reduce power consumption for displays around the world.

**Digital Solutions** 

**Display Materials** 



through positive impacts

13 clase Actas

Contribution to quality of life and happiness

Social value created by JSR

#### Contribution to a healthy and long-living society

- ♦ Shortening the drug discovery
- Supporting the future of

Contribution to preservation of the alobal environment ◆ Efficient use of energy Bringing about a

### Life Sciences

Improve drug development success rates and shorten development timeline for customers

Reduce semiconductor power consumption while improving

JSR's cutting-edge semiconductor materials can achieve miniaturization and high performance with less power. Adopting a higher performance GPU is expected to

Possible to reduce LCD TV power consumption 30% by boosting

As the No. 1 global supplier of alignment films for high-performance displays, JSR is

nanotechnology to contribute to a smart society including IoT. Al and 5G

Through our contract development and manufacturing organizations (CDMO), timeline from drug discovery through mass production to approval of human clinical trials can be shortened from 12-24 months to 9 months.

## Elastomers

JSR Group products help offset greenhouse gases emitted by manufacturing processes by more than double through products that reduce greenhouse gas emissions within society

With JSR's unique SSBR for fuel-efficient tires, reduction in CO2 emissions from automobiles is expected to be 2.7 times greater than CO<sub>2</sub> produced during the manufacturing process.

#### **Plastics**

Promoting mono-materialization aimed at reuse of plastic resources Contributing to customers by incorporating new materials to convert composite

materials to mono-materials. Easy recyclability and reduction of environmental burden by eliminating coatings for

brightly colored materials, reducing the need for solvents.

JSR is proposing a 50% weight reduction while maintaining rigidity.