

# GAP between 2 containers DETECTION on Ship-to-Shore crane

## CUSTOMER BENEFITS AND GAIN DECISIVE ADVANTAGES

### Ø SAFETY

- § Increased safety for people, materials and equipments
- § Reduced accident hazard during hoisting and handling operation

### Ø INCREASED PRODUCTIVITY

- § Shorter cycle times
- § Faster operations

### Ø RELIABILITY

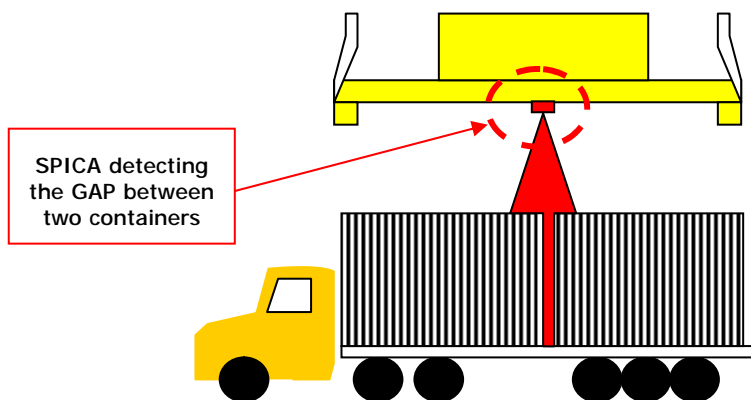
- § Specific design and ruggedness for severe environments
- § Easy installation

### Ø EFFICIENCY / ACCURACY

- § Accurate handling
- § Efficient stacking
- § Ambient light immunity

### Ø HIGHER QUALITY

- § Guaranteed Quality Assurance
- § Reduced material damage



SPICA GAP is a successful solution for checking the gap between two 20' containers under the spreader of a STS crane.

This system allows container terminal operators to increase the productivity and to enhance the efficiency of their STS cranes. Moreover, safety is also increased with a strong diminution of accident caused by error when lifting containers.

SPICA checks if there is a GAP between two containers.

If detected, the crane's PLC is informed.

### INSTALLATION

SPICA sensor is directly connected to the spreader's PLC through an RS422 serial line.

### REQUIRED MATERIAL

One sensor Ref. SOS38-GA mounted on one metallic support Ref. BEME158 and included in one protective housing Ref. BEME159



*Sensor on its support*



*Sensor on its support and in protective housing*

Nota : Non-contractual document - specifications may be subject to modification without prior warning / May 2009 / DCFA 005 10