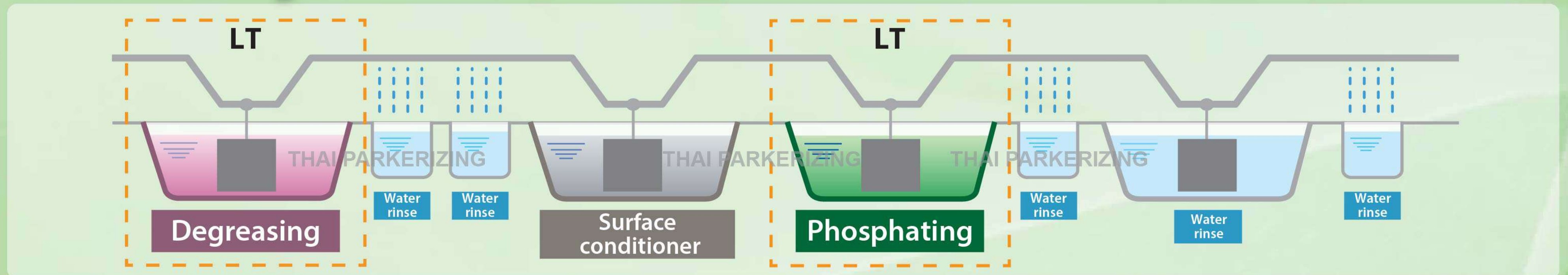


# LOW TEMPERATURE PRE-TREATMENT SYSTEM

New pre-treatment system with effective energy cost saving, superior film quality and environmental friendly

## Process Image



## Advantages

### Energy saving

- Non-heating system
- Reduce energy cost

### Environmental friendly

- Low CO<sub>2</sub> emission\*
- N, P free (Degreasing)
- Bio degradable agent (Degreasing)

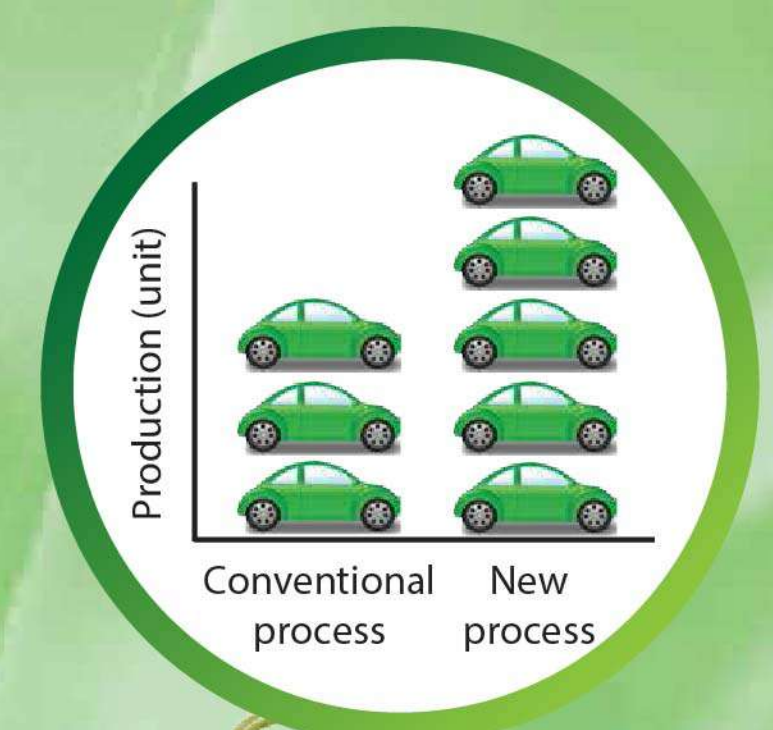
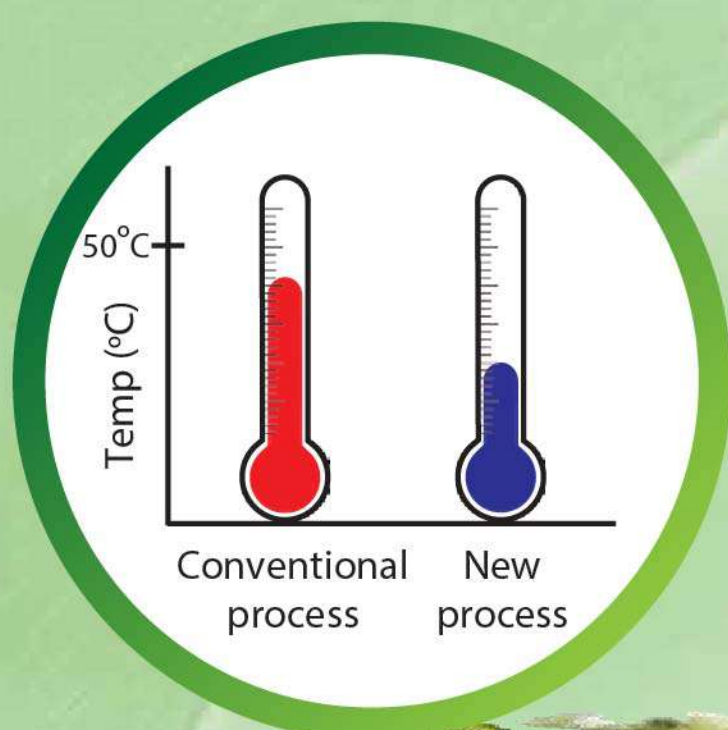
### Cost reduction

- Less chemical consumption\*
- Less maintenance cost
- Reduce water usage

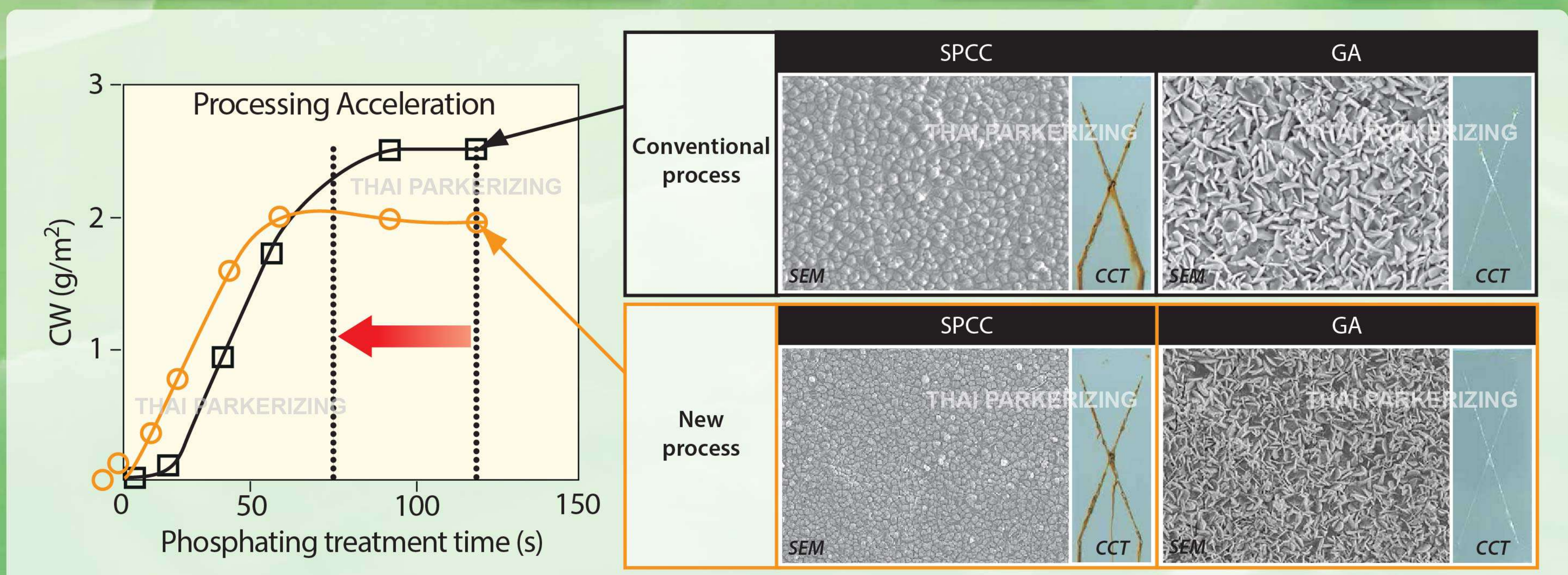
### High productivity

- Reduce treatment time
- Easy to remove sludge
- High performance for various materials

| Item                               | Conventional process | New process         |
|------------------------------------|----------------------|---------------------|
| Temperature (°C)                   | 40 - 45              | <b>Ambient</b>      |
| Treatment time (s)                 | ≥120                 | <b>≥ 75</b>         |
| Coating weight (g/m <sup>2</sup> ) | 2.0 - 3.0            | <b>1.5 - 2.5</b>    |
| Material                           | SPCC, GA             | <b>SPCC, GA, AI</b> |



\* Actual data from customer



**THAI PARKERIZING**  
www.thaiparker.co.th