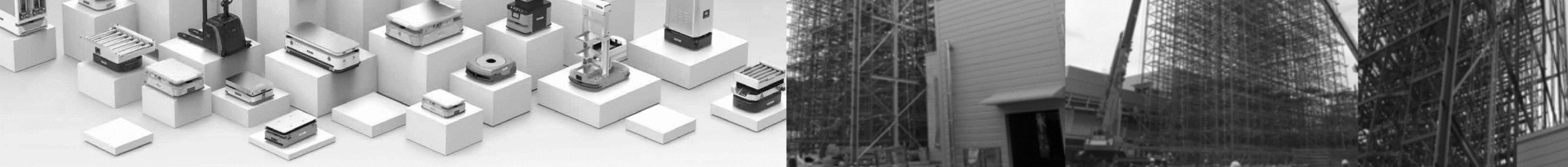


One-Stop Solution Integrator for Intelligence and Smart Logistics

JK ROBOTICS

2022



We combine the cutting-edge technology and best know-how.



JK Robotics

Logistics Contents Provider

Integrated but Simple



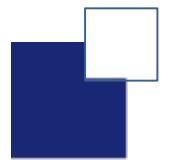
Business

AS/RS
Shuttle System
Sorting System
AMRs



Partners

JE Engineering
Dongjin Control Systems
SEER



... Logistics Contents Provider ...



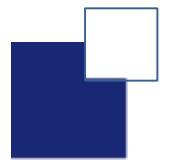
JK Robotics

is a hardware and software system solution provider to build intelligent smart logistics.

We provide various types of logistics services customizing the customer's needs ranging from AS/RS, Shuttle system to AMRs which are essential equipment to build 'unmanned environment'.

JK Robotics

is not a simple equipment manufacturer/supplier, but connects a number of customer points to create a flat surface and a three-dimensional service to provide logistics contents. The tangible hardware and intangible software included in this content are key factors to secure ease of use and economy for customers based on our unique 'synesthetic experience', and ultimately to secure customer's logistics competitiveness.



... Integrated but Simple ...

```
//fires the appear event when appropriate
var check = function() {
  //is the element hidden?
  if (!t.is(':visible')) {
    //it became hidden
    t.appeared = false;
    return;
  }

  //is the element inside the visible window?
  var a = w.scrollLeft();
  var b = w.scrollTop();
  var o = t.offset();
  var x = o.left;
  var y = o.top;

  var ax = settings.accX;
  var ay = settings.accY;
  var th = t.height();
  var wh = w.height();
  var tw = t.width();
  var ww = w.width();

  if (y + th + ay >= b &&
    y <= b + wh + ay &&
    x + tw + ax >= a &&
    x <= a + ww + ax) {

    //trigger the custom event
    if (!t.appeared) t.trigger('appear', settings.data);
  } else {
    //it scrolled out of view
    t.appeared = false;
  }
};

//create a modified fn with some additional logic
var modifiedFn = function() {
  //mark the element as visible
  t.appeared = true;
};
```

Integrated

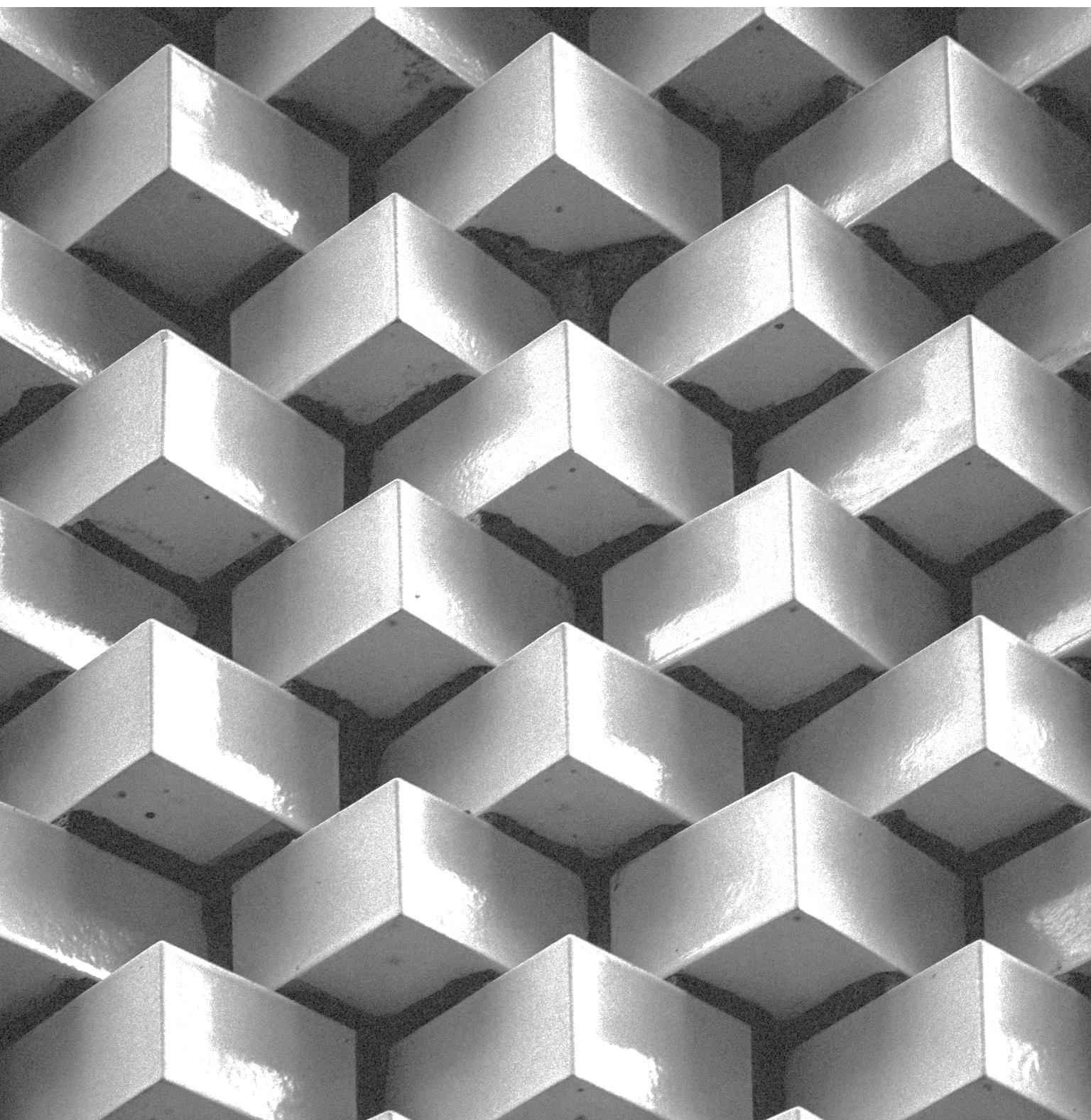
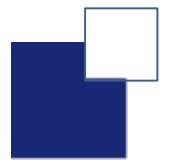
In general logistics system has a very complex structure for end users to understand. In addition, the structure Connected with systems still requires human intervention, such as a forklift. As an alternative, semi-automated facilities such as AGVs are being introduced, but since they are also based on magnetic bars or QR codes, the 'human free' of facility operation is inevitably limited. Interconnectivity between systems, that is, Seamless Connect, will become a key keyword in the unmanned logistics industry in the future. Fully automated Warehousing and Laser SLAM-based autonomous robots as well will play a pivotal role in the integration of distributed logistics processes, and we aim to lead this with our excellent system engineering capabilities and accumulated experience.

Simple

Integration's success depends on how simple the system can be so that it can be solved on-site without the assistance of a professional engineer. Because time is a cost. Therefore, 'Simple UI & UX' must be a prerequisite for the user environment to build Simple System.

JK Robotics

builds and provides an intuitive and user-friendly environment. It provides a service to control, modify, manage, and update a user environment that can integrate tens of complex components and tens of thousands of parts with a simple training program.



2013

Established JS Engineering (Kyowa Motor Roller Exclusive Distributor)

2015

Conveyor Production Line completed

2016

Established R&D

2017

Workshop Expanded

2021

2nd Workshop open in Pyeongtaek City

2022

Established JK Robotics

(A spin-off specializing AS/RS and AMR Business)



Business Domain

One-Stop Solution

One-Stop Solution Integrator for Intelligence and Smart Logistics

Laser SLAM Autonomous Mobile Robots

Robot Bases (AMB)
Jacking Robots
Forklift Robots
Picking Robots

Customized Robots (Manipulator, Roller/Belt Conveyor)

Auto Storage and Retrieval System

Mini-Load AS/RS
Pallet AS/RS
Mini Shuttle System
Pallet Shuttle System (MDPS)

Auto Sorting System

Cross-Belt Sorter
Swivel Wheel Sorter
Pivot Sorter

Conveyor System

Motor Roller
Roller, Belt Conveyor System
Diverters



Laser SLAM AMRs



AS/RS, Shuttle System



Sorting System



Conveyor System

Partners

JK Robotics works with domestic and foreign logistics automation specialists.



Laser SLAM AMRs



Motor Roller

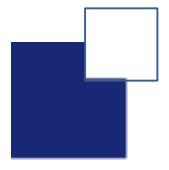
Conveyor

Diverter

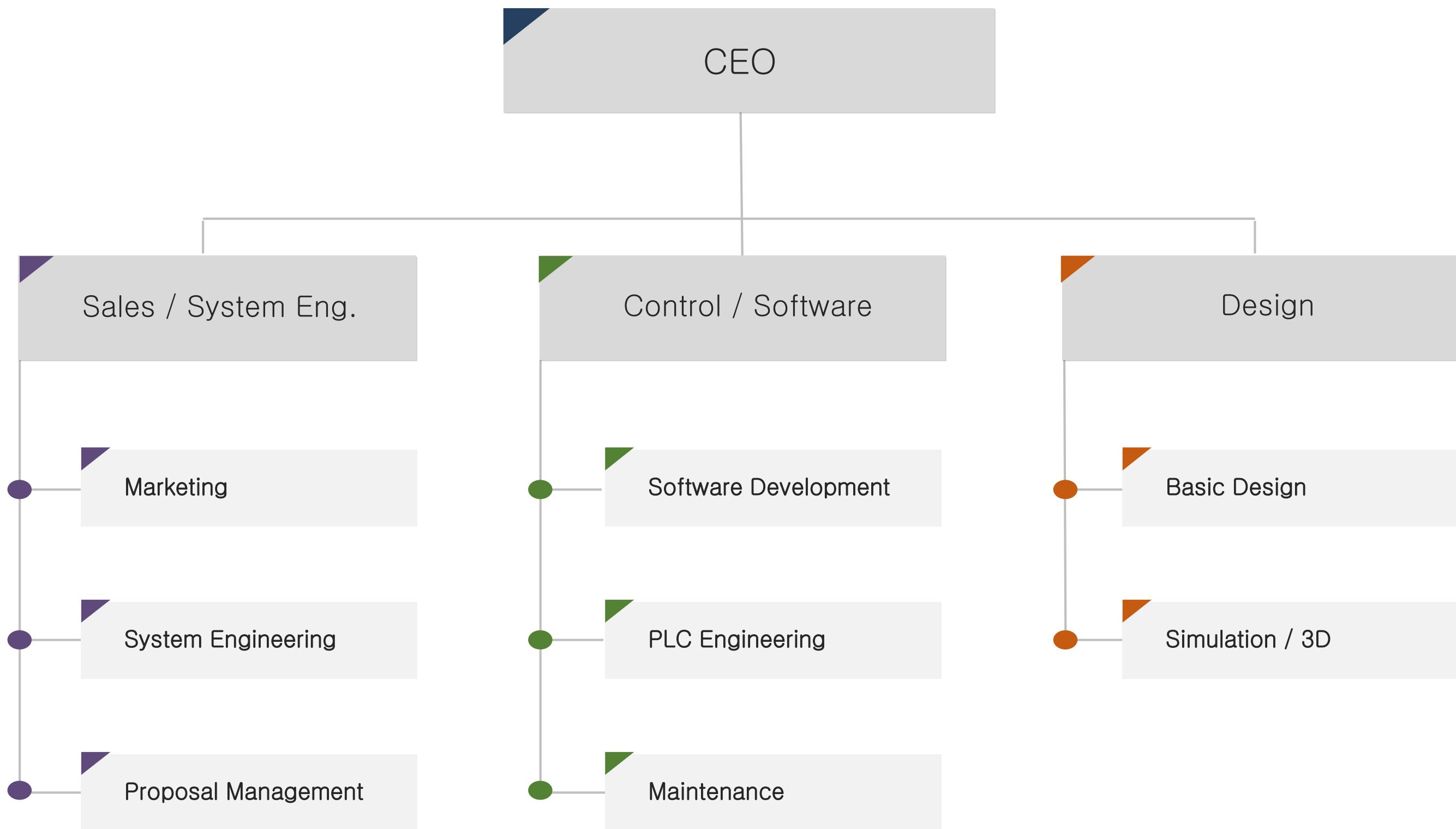


Control System

WMS / WCS



Org. Chart



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