

## Abstract

### Customer Profile



**Company** Nanjing CEC Panda LCD Technology Co., LTD

**Industry** Manufacturing

**Country** China

### Solution

Centerm Cloud Clients  
+  
CCCM  
+  
VMware VDI

### Deployment Scale

**1200** units of C30  
+  
**1400** units of D610



# Case Study

## Nanjing CEC Panda LCD Technology Co., LTD

*Centerm cloud clients have helped CEC Panda highly improved the management and maintenance efficiency.*

## Customer Comments

*“Centerm thin clients have helped us greatly, both in improving the maintenance efficiency and information security.”*

*--Yancai Zhou*

*Operation and Maintenance Engineer of CEC Panda*

## Introduction

Nanjing CEC Panda LCD technology co., LTD. (herein after referred to as "Panda") was established in August 2009 with a total investment of 13.8 billion yuan and registered capital of 4.8 billion yuan. Panda is an enterprise specialized in the production of high generation LCD panels and was jointly built by China's electronic information industry group co., LTD., Nanjing CEC Panda information industry group co., LTD. (CEC), Nanjing new industrialization investment (group) co., LTD., and Nanjing Xingang development corporation.

On August 31, 2009, the CEC panda's sixth generation of LCD panel production line project was signed up successfully in Beijing by CEC, Nanjing people's government and Japan's sharp corporation through friendly consultation. Six generations line project is the first LCD panel production line for TV introduced by China mainland , and so far is the most advanced technology of six generation of LCD panel production line in the world. In order to guarantee the global competitiveness of the six generation line project, the six generation line project comprehensively imported the world's latest technology of Sharp G8 & G10, and have the advantages of advanced technology, patent protection, investment saving, vertical integration of industrial chain and technology re-innovation.

### Challenges:

Before they adopted thin clients, they used PCs for daily work and suffered from many inconveniences brought by PCs:

- **Low Deployment Efficiency:**  
IT stuffs need to configure PCs one by one --- install software one by one and configure the system environment one by one. They averagely needed to take about 2 hours for each PC. The work burden is heavy while the efficiency is low.
- **Low maintenance efficiency :**  
when there was a breakdown of the PC, the average defect recovery time was more than 30 minutes, which usually caused business interruption.
- **High TCO:**  
PCs are much more expensive than cloud clients, and the power consumption of PCs is over 10 times more than the cloud clients, which resulted in a big device investment and high electricity charge. What's more, PCs require more space for its big size and generate big amount of heat and CO2, which is not environment friendly.

## *Solution & Benefits*

To improve the deployment & maintenance efficiency as well as information security, CEC Panda decided to turn to virtualization instead of the traditional PCs. They deployed VMware VDI and after a series of evaluating and testing, finally they chose Centerm thin clients as the accessing devices. After the whole deployment, they found the efficiency had been highly improved. Firstly, the deployment efficiency was greatly improved. Originally the IT staffs needed to install the operation system for each PC one by one, install the software on each PC one by one, and configure the system one by one, which totally took averagely 2 hours on each PC. Now with Centerm thin clients, the IT admins only need to distribute the thin clients to the employees, who only need to power on the thin client with no configuration needed and login to their own virtual desktop or applications to start their work. For the maintenance, with Centerm CCCM management system, the defect restoration time was greatly reduced to 5~20 minutes from over 30 minutes before. The maintenance efficiency was also highly improved, which effectively guaranteed the business continuity.

Meanwhile, after adopting Centerm desktop management system, the peripherals like USB disks were under strict control and the problem of the quick spreading of virus & Trojans brought by the unlimited use of peripherals was solved. The main resource and transmission route of computer virus are effectively blocked and the security risks are greatly reduced, which has highly improved the security level of their information system.