



Software

# CMCSOFT

FROM OUTSOURCING PROJECTS TO STRATEGIC PARTNERSHIP

CMC Software Solution Co.,Ltd  
A member of CMC Corporation





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# OUTSOURCING PROJECTS



## PROJECT: COOKING.COM

### Overview

- ❑ **Project type:** ODC
- ❑ **Overview:** E-commerce solutions for Cooking equipment. Each site of End user they need several particular modules.

### Highlights

- ❑ **Challenges**  
Difference of time-zone, high demanding on technical and language skills.
- ❑ **Success factors**
  - Experiences of team members of required business / technologies
  - Development has good capacity ability to work independently and high teamwork .

### Technical environment

- ❑ **Technologies in use**  
ASP.Net, C#, CSS, HTML, Flash, Visual Studio, Adobe Flash, ...  
SQL, MS SQL Server,

### Results

The project has been starting from 2008 with our partner IMIP, it is still ongoing and the client is asking to expand the team double in next year.

### Key numbers

- ❑ **Project's size:**  $\cong$  210.000 USD
- ❑ **Team:** Today is 15mm and expected in 2011 is 25mm.

## PROJECT: YAYOI

### Overview

- ❑ **Project type:** ODC
- ❑ **Overview:**  
Small ERP Solution for Food Industry which is a product management console system which allows managing products' information, sales activities of factories.

### Highlight Lights

- ❑ **Challenges**  
High demanding on technical skills. Language gap is also a barrier between customer and the team.
- ❑ **Success factors**
  - Experiences of Bridge System Engineer
  - Co-operate from customer.

### Technical environment

- ❑ **Technologies in use**  
Power Builder, ASP.Net, Oracle

### Results

The project has been starting from 2008. Based on the development team in CMCSOFT, the client is expanding their business in SEA with CMCSOFT.

### Key numbers

- ❑ **Project's size:**  $\cong$  100.000 USD
- ❑ **Team:** Today is 7mm and expected in 2011 is 10mm.

## PROJECT: BPO/Data Entry

### Overview

- ❑ **Project type:** BPO/ Data Entry
- ❑ **Overview:**  
The Customer request the vote processing library:  
Find the identical in the database  
Input database  
The structure of the instrument under standard MARC IDS  
Quality control.

### Highlight Lights

- ❑ **Challenges**  
Complex requirements from customers.
- ❑ **Success factors**  
The Customer is a National Library  
The numbers of the vote about 150.000  
MARC IDS is the national standard library  
Teamwork's efforts, responsibility, right actions in right time.

### Technical environment

- ❑ **Technologies in use**  
Standard rules of international Library

### Results

The project is still ongoing, all the processes are finalized.

### Key numbers

- ❑ **Project's size:**  $\cong$  110.000 Euro
- ❑ **Team:** 70 peoples.

## PROJECT: ODC-PHP DEVELOPMENT

### Overview

- ❑ **Project type:** Website Development
- ❑ **Overview:**  
The project is build an Website for fan of sport who want to join all events and social network.

### High Lights

- ❑ **Challenges**  
The look and feel of the Website much be unique in design.
- ❑ **Success factors**  
Co-operate with client in the haft time of the project.

### Technical environment

- ❑ **Technologies in use**  
PHP, Flash, XML, CSS ...

### Results

The project is finished and our client is successfully in expanding their fan's network.

### Key numbers

- ❑ **Project's size:**  $\cong$  18.000 USD
- ❑ **Team:** 2 engineers

## PROJECT: OUTSOURCING/DEVELOPMENT

### Overview

- ❑ **Project type:** Outsourcing & Software Development
- ❑ **Overview:**  
Providing maintenance service and software develop for the insurance information management solution of Prevoir Vietnam.

### Highlights

- ❑ **Challenges**  
The live system so all activities and added parts must be in highest quality.
- ❑ **Success factors**  
Teamwork's efforts, experience of insurance knowledge, responsibility, right actions in right time.

### Technical environment

#### Technologies in use

Java, Gold, PHP, Flash, XML, FileNet, Document Management, Oracle, ...

### Results

The project is operating, however we have some more projects are coming from the same client.

### Key numbers

- ❑ **Project's size:**  $\cong$  310.000 USD
- ❑ **Team:** 4-6 engineers.

## PROJECT: MOBILE COMMERCE

### Overview

- ❑ **Project type:** Software and Mobile application development
- ❑ **Overview:**  
The project is to build a mobile commerce solution which Back-office is an PHP Website and Front-office is more than 5 smartphone applications, including iPhone, Android, Bada, Rim, Window Phone 7 and J2ME.

### Highlights

- ❑ **Challenges**  
Complex requirements from customers with tight deadlines.
- ❑ **Success factors**  
Teamwork's efforts, multiple smartphone, responsibility, right actions in right time.

### Technical environment

- ❑ **Technologies in use**  
Object C, Java/J2ME, C/C++, PHP, ...
- ❑ **Operating System:**  
iOS, Android, RIM, Bada, Win Phone 7, ..

### Results

All the business are implemented and highly appreciated by the customer.

### Key numbers

- ❑ **Project's size:**  $\cong$  90.000 EURO
- ❑ **Team:** 8 engineers.

## PROJECT: COA PORTAL

### Overview

- ❑ **Project type:** Software Development
- ❑ **Overview:**  
COA requires the development of a portal based on SharePoint Services 3.0 of Microsoft (WSS3). The version is upgraded from the old JeedSpeed system to improve productivity, which is well integrated with MS Word 2007, Excel 2007, and Outlook

### Technical environment

- ❑ **Technologies in use**  
.Net, SQL Express, SharePoint Services 3.0, SmartPathWithAjax.

### Results

Customer highly appreciates teamwork' efforts to efficiently developing the software. A long-term collaboration was created and COA entrusts others projects to CMCSOFT now.

### Highlights

- ❑ **Challenges**  
SharePoint is an advanced new technology. The company's technical engineers were not familiar with this technology. Hence, the teamwork made great efforts in implementing this service, gaining "hands on" experiences and learning by themselves.
- ❑ **Success factors**  
Teamwork's efforts, responsibility, effective cooperation with customer.

### Key numbers

- ❑ **Project's size:** 30mm
- ❑ **Team:** 6 engineers.

## PROJECT: FUJITSU

### Overview

- ❑ **Project type:** Offshore Software Development Center
- ❑ **Overview:**  
Fujitsu is a leading provider of IT-based business solutions for the global marketplace.

### Technical environment

- ❑ **Technologies in use**  
Platform: .Net Framework 2.0 , VS 2005;  
Programming language: C++/CLI;  
Operating System: Windows Vista.
- ❑ **Outstanding technologies**  
.Net Framework 2.0

### Results

The customer is satisfied with the modules delivered by CMCSOFT. Customer is highly appreciates team' respect of project' schedule.

### Highlight Lights

- ❑ **Challenges**  
Language gap and strict requirements on quality of products.  
In order to overcome these difficulties, the solutions are proposed as follows: (1) Review meeting to find the best solutions before dealing with new requirements from the customer. (2) Qualified bridge engineers. (3) Strict quality control before delivering each part to customer. (4) Permanent communication with customer
- ❑ **Success factors**  
Teamwork's efforts. Excellent bridge engineer.

### Key numbers

- ❑ **Project's size:** Medium
- ❑ **Team:** 7 engineers.

## PROJECT: X - Cart

### Overview

- ❑ **Project type:** Offshore Software Development Center
- ❑ **Overview:**  
The project is to build an e-commerce system based on X-Cart framework

### Technical environment

- ❑ **Technologies in use**  
PHP, XHTML, X-Cart, MySQL
- ❑ **Outstanding technologies**  
X-Cart framework

### Results

The project successfully completed in 2008, the e-commerce site is online now.

### Highlights

- ❑ **Challenges**  
The development framework is based on open source technologies. The development methodology is Agile. Hence, our proposed solutions include: (1) Iterative planning; (2) Daily meeting; (3) Work list of priorities; (4) Weekly report on project's status; (5) Simple design; (6) Continuous integration; (7) Refactoring; (8) Technical support
- ❑ **Success factors**  
Team' experience of Agile methodology.

### Key numbers

- ❑ **Project's size:** Medium
- ❑ **Team:** 7 peoples.

## PROJECT: VDMS

### Overview

- ❑ **Project type:** Offshore Software Development Center
- ❑ **Overview:** SYM wanted to build a Dealer Management System (DMS) for Vietnamese market containing a set of tightly integrated modules which helps dealers, departments run their business more efficiently and profitably.

### Technical environment

- ❑ **Technologies in use**  
J2EE, Struts, Hibernate, Oracle

### Results

The system was successfully implemented and now is helping end-users to improve their business efficiency.

### Highlight Lights

- ❑ **Scope of work**  
The DMS contains three major components: Order Management, Service Management and Parts Management. The module level forms and reports include definition of templates, data attributes, logic, layout, sort, total, break, filter and outputting into a PDF or Excel / CVS format. The team is in charge of doing the detailed design, development and implementation of the system.
- ❑ **Challenges**  
Experiences of team members of required business / technologies.

### Key numbers

- ❑ **Project's size:** 60mm
- ❑ **Team:** 5 engineers.

## PROJECT: GAIHAN

### Overview

- ❑ **Project type:** Offshore Software Development Center.
- ❑ **Overview:**  
CSL is an advanced IT company in Japan. CSL required us to develop an online sales system for its customer .

### Highlights

- ❑ **Challenges**  
Develop the modules of the system including Master Maintenance, Pre-Entry, Inquiry, Report and Entry modules.
- ❑ **Success factors**  
Team's mastery of technologies.  
Using of Code Generator Tool.

### Technical environment

- ❑ **Technologies in use**  
WAS: **IBM WebSphere**  
OS: Windows2000 (Japanese version)  
Java: j2sdk1.4  
DBMS: DB2
- ❑ **Outstanding technologies**  
Using Code Generator Tool (generate JSP, Servlet and Bean)

### Results

The customer is extremely satisfied with the modules delivered by CMCSOFT. CSL had confidence in CMCSOFT and outsourced other projects.

### Key numbers

- ❑ **Project's size:** Medium
- ❑ **Team :** 5 engineers.

## PROJECT: T TIME SYSTEM

### Overview

- ❑ **Project type:** Offshore Software Development Center
- ❑ **Overview:**  
CSL is an advanced IT company in Japan .  
CSL required the development of a distribution system for convenience stores

### Technical environment

- ❑ **Technologies in use**  
Java, Solnet framework  
DBMS: Oracle 10g  
Operation System : Windows 2000, Windows XP
- ❑ **Outstanding technologies**  
PowerBuilder

### Highlights

- ❑ **Scope of work**  
Following the customer's coding standards and ensuring the full test of the system.
- ❑ **Success factors**  
Effective communication between team and customer.

### Results

The project's schedule was respected and the system developed was highly appreciated by customer.

### Key numbers

- ❑ **Project's size:** 50mm
- ❑ **Team:** 8 engineers.

## PROJECT: IPCAS II

### Overview

- ❑ **Project type:** Offshore Software Development Center.
- ❑ **Overview:**  
HIT requires a pool of qualified resources for software maintenance, software implementation for over 900 branches of the Bank for Agriculture and Rural Development of Vietnam – one of the largest banks in Vietnam.

### Highlights

- ❑ **Challenges**  
Gathering of an important number of developers in short time.  
PowerBuilder was quite new with the team
- ❑ **Success factors**  
CMCSoft's capacity in providing high-qualified resources and in organizing appropriate training to leverage team's level in order to meet customer' requirements.

### Technical environment

- ❑ **Technologies in use**  
Java, PowerBuilder, Pro C/C++  
DBMS: Oracle 10g  
Transaction processing: BEA Tuxedo  
Operation System : HP Unix

### Results

HIT now could completely rely on CMCSoft' team for the success of the project.

### Key numbers

- ❑ **Project's size:** 600mm
- ❑ **Team :** 30 engineers.

## PROJECT: MYSTAFF

### Overview

- ❑ **Project type:** Offshore Software Development Center.
- ❑ **Overview:**  
MyStaff requires the development of an online implementation tool system for new clients to follow the basic steps to complete a database and ready for MyStaff to deploy with less technical interface.

### Highlights

- ❑ **Scope of work**  
Full-life cycle development project
- ❑ **Challenges**  
The project's schedule required by customer is very tight. The team has only 2 months to analyze, develop and implement the system.
- ❑ **Success factors**  
Team's determination to respect the customer's required schedule.

### Technical environment

- ❑ **Technologies in use**  
Java, Apache  
PostGresql  
Tomcat, GlassFish  
Spring, Netbeans, Hibernate
- ❑ **Outstanding technologies**  
Spring and Hibernate framework for database access

### Results

Minimize MYstaff' Support for clients in the implementation steps.  
Build a stronger relationship between clients and partners with assisting each other with problems in the implementation stage.

### Key numbers

- ❑ **Project's size:** medium
- ❑ **Team :** 08 engineers.



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# DOMESTICS PROJECTS





## PROJECT: Portal Development

### Overview

- ❑ **Project type:** Inland
- ❑ **Overview:**  
Building electronic portal Thai Nguyen province.

### Technical environment

- ❑ **Technologies in use**  
Java, Apache  
PostGRES  
Tomcat, GlassFish  
Spring, Netbeans, Hibernate
- ❑ **Outstanding technologies**  
Spring and Hibernate framework for  
database access

### Results

From using today, the customers is very satisfied with applications that CMC provided.

### Key numbers

- ❑ **Project's size:** Medium
- ❑ **Team :** 08 engineers.



## PROJECT: Portal Development

### Overview

- Project type: Inland
- Overview:  
Professional software procurement under the project "Digital Library sharing in the Ministry of Defence".  
Provide Electronic Information Software, Electronic Libraries Software, Digital Libraries Software for 6 units of the Ministry of Defence.

### Results

From using today, the customers is very satisfied with applications that CMC provided.

### Technical environment

- Technologies in use  
Portal
- Outstanding technologies  
Portal

### Key numbers

- Project's size:  $\cong$  205.000 USD
- Duration: 3 months



## PROJECT: Portal Development

### Overview

- ❑ **Project type:** Inland
- ❑ **Overview:**  
Expanding programs for the Administration of the Ministry of Finance  
  
Provides document management software eDocman, expanding at more than 30 units of the Ministry of Finance.

### Results

From using today, the customers is very satisfied with applications that CMC provided.

### Technical environment

- ❑ **Technologies in use**  
Portal
- ❑ **Outstanding technologies**  
Portal

### Key numbers

- ❑ **Project's size:**  $\cong$  167.000 USD
- ❑ **Duration:** 12 months

## PROJECT: Buy Software's License

### O verview

- ❑ **Project type:** Inland
- ❑ **Overview:**  
Provide copyright of Microsoft Office Software and Exchange Server for VMS company.

### T echnical environment

- ❑ **Technologies in use**  
Portal
- ❑ **Outstanding technologies**  
Portal

### R esults

From using today, the customers is very satisfied with applications that CMC provided.

### K ey numbers

- ❑ **Project's size:**  $\cong$  308.000 USD
- ❑ **Duration:** 4 months

## PROJECT: Building and Management Document

### Overview

❑ **Project type:** Inland

❑ **Overview:**

Building a system of electronic payment gateway - Phase 1

### Results

From using today, the customers is very satisfied with applications that CMC provided.

### Technical environment

❑ **Technologies in use**

- Window XP SP3,
- Office 2003, 2007
- Browser IE 6.0 or higher

❑ **Outstanding technologies**

- Microsoft Windows 2003 Server SP2
- Microsoft SQL 2005 Server SP2
- IIS
- The virut Scan
- Window XP SP3,
- Office 2003, 2007
- Browser IE 6.0 or higher

### Key numbers

❑ **Project's size:**  $\cong$  56.000 USD

❑ **Duration:** 3 months.



## PROJECT: Building Electronic Portal

### Overview

- Project type: Inland

- Overview:

Building electronic portal Thai Nguyen province under Phase I project "Building electronic portal Thai Nguyen" .

### Results

From using today, the customers is very satisfied with applications that CMC provided.

### Technical environment

- Technologies in use

  - IBM x360 M2 server

- Outstanding technologies

  - OS: Windows Server Ent 2008 Sngl OLP L 1 Proc, Microsoft Windows Srv Ent Ed 2003 English Disk Kit, Window Server CAL 2008 Sngl OLP NL Device CAL.
  - Firewall
  - The virut Scan
  - Websphere Portal Enable 6.1

### Key numbers

- Project's size:  $\cong$  173.000 USD

- Duration: 3 months.

## PROJECT: Manager Insurance

### Overview

- Project type: Inland

- Overview:

Management Non-life Insurance.

Install program manager Non-life Insurance  
CPC and progress training use program.

### Technical environment

- Technologies in use

- Outstanding technologies

### Results

From using today, the customers is very satisfied with applications that CMC provided.

### Key numbers

- Project's size:  $\cong$  237.000 USD

- Duration: 3 months.



## PROJECT: EDOCMAN OSS

### O verview

- ❑ **Project type:** Inland

- ❑ **Overview:**

Vietnam Communist Party

Development of a workflow and document management system for the headquarter and branch offices.

### T echnical environment

- ❑ **Technologies in use**

Linux, J2EE, Tomcat, JBoss,  
PostgreSQL, Eclipse  
Public key encryption / decryption

- ❑ **Outstanding technologies**

### R esults

From using today, the customers is very satisfied with applications that CMC provided.

### K ey numbers

- ❑ **Project's size:**  $\cong$  150mm

- ❑ **Team:** 15 engineers.



## PROJECT: Upgrade Database

### Overview

- ❑ **Project type:** Inland
- ❑ **Overview:**  
General Department for Tax Administration,  
Ministry of Finance  
At 64 provincial departments: Upgrade  
database, create data entry form, update  
financial reports submitted by enterprises,  
create analysis reports from database  
At general department: national database  
transferred from provincial departments, create  
analysis report at national level

### Results

From using today, the customers is very satisfied with applications that CMC provided.

### Technical environment

- ❑ **Technologies in use**  
WAS: IBM WebSphere  
Environment: Websphere studio  
Data transfer: IBM MQSeries  
Report form: formula1
- ❑ **Outstanding technologies**

### Key numbers

- ❑ **Project's size:**  $\cong$  100mm
- ❑ **Team:** 10 engineers.



## PROJECT: Upgrade Database

### Overview

- ❑ **Project type:** Inland
- ❑ **Overview:**  
  
National Treasury of Vietnam  
Management of the National Treasury's bond

### Technical environment

- ❑ **Technologies in use**  
  
COM+, MS SQL Server, Oracle DB, Oracle AQ, MS Visual Studio
- ❑ **Outstanding technologies**

### Results

From using today, the customers is very satisfied with applications that CMC provided.

### Key numbers

- ❑ **Project's size:**  $\cong$  300mm
- ❑ **Team:** 20 engineers.

## PROJECT: Tax General Department

### Overview

- ❑ **Project type:** Inland
- ❑ **Overview:**  
Support service for tax online submit  
Website for Tax General Department  
At general department national database  
transferred from provincial departments, create  
analysis report at national level.

### Technical environment

- ❑ **Technologies in use**  
WAS: IBM WebSphere  
Environment: Websphere studio  
Data transfer: IBM MQSeries  
Report form: formula1
- ❑ **Outstanding technologies**

### Results

From using today, the customers is very satisfied with applications that CMC provided.

### Key numbers

- ❑ **Project's size:**  $\cong$  100mm
- ❑ **Team:** 10 engineers.



## PROJECT: VNDOC 4.0

### Overview

- Project type: Inland
- Overview:**  
Software to manage the information in supporting supervisory issues  
Software to manage the information related to seminars and conferences.  
Software to manage the results of scientific research  
Provide the software VNDOC4.0 Professional to recognize Vietnamese Language

### Technical environment

- Technologies in use**  
  
Operating system: Linux  
Database: PostgreSQL  
Programming Language: Perl, HTML  
OSS security tools
- Outstanding technologies**

### Results

From using today, the customers is very satisfied with applications that CMC provided.

### Key numbers

- Project's size:**  $\cong$  100mm
- Team: 20 engineers.

## PROJECT: Hospital Software Management

### Overview

- Project type: Inland
- Overview:**  
Software to manage medical information:  
Treatment, Clinically Short-sighted, Pharma,  
Hospital Fee ...

### Technical environment

- Technologies in use**  
  
Operating system: Linux  
Database: Oracle  
Programming Language: Java, Flex
- Outstanding technologies**

### Results

From using today, the customers is very satisfied with applications that CMC provided.

### Key numbers

- Project's size:**  $\cong$  30mm
- Team: 10 engineers.