

# Nouméa TownHall

## About Nouméa TownHall

[Nouméa TownHall](#) is a public organization that provides free services for citizens in New Caledonia. It manages data including birth, death, civil actions, elections and passports.

## ZK x Permis de Construire

The project is designed for agents in *Nouméa TownHall* as a free service. The application – Permis de Construire (PdC) simplifies the delivery of licenses to build houses, making the complex process easier and more efficient. It was first released for production in 2013, and more features are added to the application as time goes by.

*“With ZK we can do everything on the Java side, easy to code and debug”*

## Architecture

The project was built with ZK, Maven, Spring, Hibernate, Travis, Versioneye, Postgresql 9.x, Tomcat 7.x, CentOS and docx4j. Open source components were used all the time.

## Why ZK

Prior to this project, we were using an internally developed framework. After a phase of industrialization (maven, tomcat vs Webpsphere/RAD previously), we had to very quickly switch to a new technology. We needed a solution that allows us to use internal java (vs. js) skills.

With ZK we can do everything on the Java side, easy to code and debug. It was very fast to implement features and it provided a secured front-end as all business logic is on the server side. We especially like ZK for its open source license, high quality of widgets,

The screenshot shows a web application interface titled "Permis de construire". It features a sidebar with navigation options like "Tableau de bord", "Projets", "Demandeurs", "Propriétaires", "Concepteurs", "Entreprises", "Organismes", "Bureaux TCA", "Paramétrage", "Utilisateurs", "PdC", "Zones de PdC", and "Adresses". The main content area displays a table with the following data:

SYNTHÈSE		Evénements majeurs (0)	A affecter (0)	Affectés (52)	Attente décision (0)	Contentieux
Instructeurs (4)	Affectés (52)	Incomplets (27)				
DOMBAL Sievea (charge : 245)	23 projets 8 simples 22 normaux 2 large	5 projets 4 normaux 1 large	151	144	1 18	
MAI VAN Y Eric (charge : 114)	8 projets 2 simples 6 normaux	1 simple 1 normal	121	4 58	7 58 1 18	
MEUNIER Michel	16 projets	8 projets	121			

and really well done annotations.

## The Result

People love our application. It greatly saves their time and allows them to manage more cases and deliver building licenses as fast as possible. “We will definitely use ZK in future projects, like how we are using it in the current project.”

“We especially like ZK for its open source license, high quality of widgets, and really well done annotations.”

The screenshot displays a web application interface for project management. The top navigation bar includes tabs for 'Tableau de bord', 'Projets', 'Demandeurs', 'Barèmes TCA', 'Propriétaires', 'Utilisateurs', 'Zones de PUD', and 'Adresses'. The current project is identified as 'PROJET 2016 PC 0121'. Below the navigation bar, there are several action buttons: 'Enregistrer', 'Recharger', 'Suppr.', 'Demandeur', 'Propriétaire', 'Instructeur', 'Statut', 'Déposé le', 'Editer', 'Débuter instruction', 'Incomplet', 'Precevable', and 'Afficher'.

The main content area is titled 'Informations générales' and contains the following sections:

- Informations générales:** Includes fields for 'Numéro' (98818 2016 PC 0121), 'Instructeur' (Steeve DOMBAL), 'Taille du projet' (Normal), 'Date de dépôt' (Jun 28, 2016), 'Date limite d'instruction' (Sep 28, 2016), and 'Arrêté d'autorisation'.
- Types de projet:** A list of project types with radio buttons, including 'Standard' (selected), 'ERP', 'Immeuble collectif', 'Hydrocarbure', 'Urbanisme', 'commercial (PS)', 'Exploitation commerciale (NC)', 'Immeuble 3ème ou 4ème famille', 'Résidence à gestion hôtelière', 'ICPE', 'Atteinte écosystème', and 'Défrichement'.
- Informations générales (Project Details):**
  - Titre du projet:** CONSTRUCTION DE DEUX VILLAS DUPLEX JUMEELES TYPE F4
  - Nature des travaux:** Construction neuve
  - Détail:** Construction de deux villas jumelées en duplex type F4
  - Info complémentaire:**
  - Dde déroq./adapt. règles urb.:** Includes checkboxes for 'Terrassement' and 'Spécifique'.
  - Durée instruction:** 3 mois, majoré: 0 mois 0 jours
  - Concepteur:** SAMAT GAEL (changer)
  - Nombre de constructions:** 1
  - Hauteur (m):** 7.91
  - Construction existante:** Includes fields for 'N° permis 1', 'N° permis 2', and 'Destruction'.
  - Bâtiment inscrit/classe:** Includes a 'référence' field.
  - Bâtiment patrimonial:** Includes a 'référence' field.
- Destinations de la construction:** A table with columns for 'Usage', 'SHOB exist.', 'SHOB créée', 'SHON exist.', and 'SHON créée'. The 'Usage' column includes 'Habitation' (selected), 'Hébergement', 'Bureau', 'Commerce', 'Artisanat', 'Industrie', 'Exploit. agricole', 'Activité minière', 'Entrepôt', and 'Service public / intérêt collectif'. The 'SHOB exist.' column has a value of 0, and 'SHOB créée' has a value of 290. The 'SHON exist.' column has a value of 0, and 'SHON créée' has a value of 260. The 'SHOB totale' is 290 and 'SHON totale' is 260.
- Informations complémentaires:** Includes fields for 'Emprise au sol (m²)', 'Espace vert (en %)', 'Coeff. d'emprise au sol', 'Stationnement', 'Nb places existantes', 'Résidence/foyer' (with sub-options for 'pers. âgées', 'étudiants', 'sociale', 'pers. handicapée'), and 'Autre'.

## About ZK

ZK is the leading enterprise Java Web framework with more than 1,500,000 downloads. ZK is deployed by a large number of Fortune Global 500 companies, including Barclays, Allianz, Swiss RE, Roche, Deutsche Bank, Sony, Sun Microsystems, and Toyota, providing them with the ability to rapidly create rich Ajax enterprise level applications.

## Contact us

Potix Corporation

[info@zkoss.org](mailto:info@zkoss.org)  
[www.zkoss.org](http://www.zkoss.org)