

Shanghai Free Trade Zone (China), Marcq-en-Baroeul (France), September 16, 2015. Nexedi released today the first open source lightning protection egovernment platform after studying during 9-months the business process of lightning protection in China. The platform is built on the ERP5 workflow with full customization to Chinese lightning protection business process and decision-making flow, together with modern e-business features: e-signature, document management, real-time image capturing, geo-location, mobile access. etc. ERP5 powerful traceability covers the entire life-cycle of building construction, from drawings to construction acceptance, as well as the regular check of existing buildings.

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Modern government management requires strict control on supervision. Based on this vision, Hubei Lightning Protection Center decided to pioneer the first open source lightning protection business management platform and test it on real construction cases. The open source ERP5 based platform was hosted on UCloud servers in China. The test started with face-to-face training of civil servants representing each department: drawing approval department, general department and five detection offices. Each civil servant was instructed by Nexedi how to achieve with ERP5 particular tasks for lightning protection. Then real cases were picked out and processed through the platform by Hubei Lightning Protection Center staff between August 10 and August 28, 2015.

Hubei Lightning Protection Center technical supervisor summarized test results: "ERP5 lightning protection business platform well matched our sophisticated lightning protection business workflow. It perfectly combines the vertical and horizontal workflow management method. We can easily supervise the independent progress of lightning protection business process per construction project or per building, from construction supervision to completion; everything is clearly under control through the platform."

Jean-Paul Smets, Nexedi CEO, explains: "Lightning protection is critical to architecture and to all constructions. The complexity of lighting protection business process leads to exponential combinatorics of workflow states and security permissions. ERP5 is the only application framework that can be configured to handle this type complexity thanks to multidimensional taxonomies and precise security based on access rules. The open source nature of ERP5 ensures that the system can be fully audited in terms of security and quality assurance. Availability of source code eases customization and large scale deployment under government control."

The Supervisor of Wuchang District Detection Bureau adds: "The approach based on a unified web based platform solves the difficulties of resource sharing and responsibility transparency. Access rules are defined specifically for each detection bureau, every detection team and member. Newly constructed project can be managed together with existing inspection units after construction completion."

The platform is now available on-line for download: <https://lab.nexedi.cn/nexedi/clp>

On-line presentation of the platform: http://www.nexedi.cn/P-SZL-Marketing.Presentation.Lightning.Center.Platform?portal_skin=Cl#

Nexedi offers enterprise services for customization or further development.

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About Hubei Lightning Protection Center

Hubei Lightning Protection Center was founded in 1996. It belongs to the Hubei Meteorological Bureau. There are 60 employees, including 30 senior technical personnel. The main responsibility of the center: design approval, tracking and detection, regular safety check, detection of large-scale ground network, lightning accident technical appraisal, lightning risk assessment of lightning protection devices in accordance with law. It is responsible for the lightning protection technology research, development and promotion; the lightning protection technology consultancy; the lightning monitoring annual report editing of the whole province. It is responsible for the lightning accidents' collection, reporting and technical appraisal;

the lightning protection device's annual check, the tracking and detection of newly-constructed lightning protection device; the lightning protection device's design and technology approval of Wuhan.

www.hubeifl.com

About Nexedi

Nexedi is the creator and leader of the ERP5 Open Source ERP project. Nexedi has developed and deployed ERP5 in a wide range of industries ranging from aerospace, apparel, banking, healthcare to government sectors. ERP5 is used in companies of all sizes in Africa, Asia, Europe, North and South Americas. The open source nature of ERP5 eliminates licensing costs and provides full freedom to update and customise the system as business requirements change with no single vendor lock-in.

Nexedi is a major contributor to the [SlapOS](#) technology, a distributed Cloud Computing system compatible with leading market standards and designed for resilience and reversibility for critical applications. Nexedi is a the developer of [NEO](#), an open source distributed transactional NoSQL database built on MariaDB that implements the ZODB protocol for python objects.

Nexedi provides 24/7 support to corporations and governments wishing to migrate their mission critical applications to open source software solutions.

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