

# Frontend Technical Document

## Project overview

- Redesign Sutrix website

## Source control

- GIT repository @ <http://git.sutrix.com/sutrixgroup/sutrixgroup.git> (<http://git.sutrix.com/sutrixgroup/sutrixgroup.git>)

## Technical used

- HTML5
- CSS3
- JavaScript
- Build tools
  - NodeJS
  - Grunt
  - Jade
  - Less
- Frameworks
  - jQuery
- Plugins
  - Form validation @ <http://jqueryvalidation.org> (<http://jqueryvalidation.org>)

## Browsers & Platforms supported

- Windows 7, 8.1
  - Microsoft Internet Explorer 9, 10, 11
  - Microsoft Internet Explorer 8 won't support (hidden content, see more @ <http://caniuse.com> (<http://caniuse.com/#search=css3>))
  - Firefox latest
  - Chrome latest
- Mac OSX
  - Firefox latest
  - Chrome latest
  - Safari latest

## Devices supported

- Tablet:
  - iOS 7+ (iPad 4, iPad Air)
  - Android 4.3+ (Samsung Galaxy Tab 4 10.1)
- Mobile:
  - iOS 7+ (iPhone 5S/6/6+)
  - Android 4.3+ (Samsung Galaxy S4/S5)

## Responsive approach

- Breakpoints
  - Large screen: 1200 and above
  - Medium screen: 1024 to 1199
  - Small screen: 768 to 1023
  - Extra small screen: below 768

## Code standards

- Follow Frontend code conventions
  - HTML/CSS/JS Checklist
  - On-page SEO Checklist
- Follow W3C standards
  - HTML Validator <http://validator.w3.org> (<http://validator.w3.org>)
  - CSS Validator <http://jigsaw.w3.org/css-validator> (<http://jigsaw.w3.org/css-validator>)
  - Link Checker <http://validator.w3.org/checklink> (<http://validator.w3.org/checklink>)
  - Web Accessibility <http://a11yproject.com> (<http://a11yproject.com>)
- Code quality tool

- JSHint <http://jshint.com> (<http://jshint.com>)
- CSSLint <http://csslint.net> (<http://csslint.net>)

## Web performance

- YSlow <http://developer.yahoo.com/yslow> (<http://developer.yahoo.com/yslow>)
- PageSpeed <https://developers.google.com/speed/pagespeed> (<https://developers.google.com/speed/pagespeed>)