

Feature Documentation - Advies N Consultancy BV Website

Core Features Overview

1. Modern Web Application

- **Next.js 14 App Router:** Latest React framework with optimized routing
- **TypeScript:** Type-safe development
- **Responsive Design:** Mobile-first approach with Tailwind CSS
- **Progressive Web App:** PWA capabilities with offline support

2. Multi-Language Support

- **Dutch/English:** Complete i18n implementation
- **Dynamic Switching:** Real-time language toggle
- **SEO Optimized:** Language-specific meta tags and URLs
- **Contextual Translation:** Business-specific terminology

User Interface Features

Design System

- **Shadcn/UI Components:** Modern, accessible component library
- **Dark/Light Theme:** System preference detection with manual override
- **Consistent Spacing:** 8px grid system
- **Typography:** Inter font family with responsive scaling
- **Color Palette:** Professional blue/gray theme with accent colors

Navigation

- **Sticky Header:** Always accessible navigation
- **Mobile Menu:** Hamburger menu with slide-out drawer
- **Breadcrumbs:** Clear page hierarchy
- **Footer Links:** Quick access to important pages

Interactive Elements

- **Hover Effects:** Subtle animations on cards and buttons
- **Loading States:** Skeleton loaders and spinners
- **Form Validation:** Real-time validation with error messages
- **Toast Notifications:** Success/error feedback

Business Features

Contact & Lead Generation

- **Contact Forms:** Multiple form types (contact, quote request)
- **Database Storage:** All submissions stored in database

- **Email Notifications:** Automatic notification system
- **Lead Scoring:** Automatic lead qualification

Content Management

- **Knowledge Center:** Blog/article system with categories
- **Service Pages:** Detailed service descriptions
- **Case Studies:** Success story presentations
- **Team Profiles:** Staff and consultant information

Assessment Tools

- **Quick Scan:** Interactive IT readiness assessment
- **Compliance Check:** Regulatory compliance evaluation
- **Results Dashboard:** Personalized recommendations
- **PDF Reports:** Downloadable assessment reports

Marketing & Analytics

- **Newsletter Signup:** Email marketing integration
- **Social Media:** Sharing buttons and social feeds
- **Google Analytics:** Comprehensive tracking
- **Performance Monitoring:** Real-time performance metrics



Technical Features

Performance Optimization

- **Image Optimization:** Next.js automatic image optimization
- **Code Splitting:** Route-based and component-based splitting
- **Static Generation:** Pre-rendered pages for optimal speed
- **Caching Strategy:** Multiple levels of caching
- **Compression:** Gzip/Brotli compression

Security

- **HTTPS Enforcement:** SSL/TLS encryption
- **Security Headers:** HSTS, CSP, XSS protection
- **CSRF Protection:** Cross-site request forgery prevention
- **Rate Limiting:** API endpoint protection
- **Input Sanitization:** XSS and injection prevention

Database & API

- **Prisma ORM:** Type-safe database operations
- **RESTful APIs:** Clean API design
- **Data Validation:** Zod schema validation
- **Error Handling:** Comprehensive error management
- **Logging:** Structured application logging

User Experience Features

Accessibility

- **WCAG 2.1 AA Compliance:** Web accessibility standards
- **Keyboard Navigation:** Full keyboard accessibility
- **Screen Reader Support:** ARIA labels and descriptions
- **High Contrast:** Support for high contrast mode
- **Focus Management:** Clear focus indicators

Performance

- **Core Web Vitals:** Optimized for Google's performance metrics
- **Lazy Loading:** Images and components loaded on demand
- **Resource Hints:** DNS prefetch and preload optimization
- **Service Worker:** Offline support and caching

SEO Features

- **Meta Tags:** Dynamic, page-specific meta information
- **Structured Data:** Schema.org markup for rich snippets
- **Sitemap Generation:** Automatic sitemap creation
- **Robots.txt:** Search engine crawler instructions
- **Open Graph:** Social media sharing optimization

Interactive Components

Forms & Input

- **Contact Form:** Multi-step contact form with validation
- **Search Functionality:** Site-wide search with filters
- **File Upload:** Document and image upload capabilities
- **Auto-complete:** Smart suggestions for form fields

Data Visualization

- **Charts & Graphs:** Performance metrics visualization
- **Progress Indicators:** Assessment progress tracking
- **Dashboard Elements:** KPI and metric displays
- **Interactive Tables:** Sortable and filterable data tables

Communication

- **Live Chat Integration:** Customer support chat
- **Video Embedding:** Service demonstrations
- **Calendar Integration:** Appointment booking
- **Email Templates:** Automated email communications

Specialized Business Tools

Compliance & Assessment

- **ISO 22301 Assessment:** Business continuity readiness

- **GDPR Compliance Check:** Data protection assessment
- **Security Audit:** IT security evaluation
- **Risk Assessment:** Business risk evaluation

Automation Tools

- **Workflow Automation:** Process optimization tools
- **Report Generation:** Automated report creation
- **Data Integration:** Third-party system connections
- **API Integrations:** External service connections

Client Management

- **Project Tracking:** Consultation project status
- **Document Sharing:** Secure document exchange
- **Communication History:** Client interaction tracking
- **Billing Integration:** Invoice and payment tracking

Advanced Features

Analytics & Reporting

- **Custom Dashboards:** Personalized analytics views
- **Performance Tracking:** Website and business metrics
- **User Behavior Analysis:** Heat maps and user flows
- **Conversion Tracking:** Goal and conversion monitoring

Content Personalization

- **Dynamic Content:** User-specific content delivery
- **Recommendation Engine:** Personalized service suggestions
- **Behavioral Targeting:** Content based on user actions
- **A/B Testing:** Feature and content testing

Integration Capabilities

- **CRM Integration:** Customer relationship management
- **Email Marketing:** Newsletter and campaign management
- **Payment Processing:** Secure payment handling
- **Third-party APIs:** External service integrations

Developer Features

Development Tools

- **Hot Reload:** Instant development feedback
- **TypeScript Support:** Full type checking
- **ESLint Configuration:** Code quality enforcement
- **Prettier Integration:** Automatic code formatting

Testing & Quality

- **Unit Testing:** Component and function testing
- **Integration Testing:** API and workflow testing

- **Performance Testing:** Load and stress testing
- **Accessibility Testing:** Automated accessibility checks

Deployment & DevOps

- **CI/CD Pipeline:** Automated build and deployment
- **Environment Management:** Dev/staging/production environments
- **Database Migrations:** Automated schema updates
- **Health Monitoring:** Application health checks



Metrics & Monitoring

Performance Metrics

- **Page Load Speed:** < 2 seconds average
- **Lighthouse Score:** 95+ across all categories
- **Core Web Vitals:** Green ratings
- **Bundle Size:** Optimized for fast delivery

Business Metrics

- **Conversion Rates:** Lead generation tracking
- **User Engagement:** Time on site, page views
- **Contact Form Submissions:** Lead quality analysis
- **Newsletter Signups:** Marketing funnel tracking

Technical Metrics

- **Uptime Monitoring:** 99.9% availability target
- **Error Rate:** < 0.1% error rate
- **API Response Times:** < 200ms average
- **Database Performance:** Query optimization



Future Enhancements

Planned Features

- **Client Portal:** Secure client area with project access
- **Knowledge Base:** Searchable FAQ and documentation
- **Live Webinars:** Interactive training sessions
- **Mobile App:** Native mobile application

Technical Improvements

- **GraphQL API:** More efficient data fetching
 - **Microservices:** Modular service architecture
 - **CDN Integration:** Global content delivery
 - **Advanced Caching:** Redis/Memcached integration
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Feature Status:  Production Ready

Last Updated: July 12, 2025

Total Features: 100+ implemented features