Manual De Autocad Civil 3d 201

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Mastering AutoCAD 2016 and AutoCAD LT 2016 Saraiva Educação S.A.

Understand concepts, create perfect designs, and manage every stage of a project with this thorough guide to Autodesk's powerful civil engineering software. Authored by experts with close ties to Autodesk and the Civil 3D community, it features an in-depth, tutorial-based approach grounded in real-world examples so that you get the very most out of Civil 3D. This practical guide focuses squarely

on how to use the software in a production Topics Covered Learn the Autodesk Civil 3D environment and provides insights, insider tips, 2020 user interface. Create and edit parcels and advanced techniques you won't find print parcel reports. Create points and point anywhere else.

AutoCAD Civil 3D 2018 Fundamentals John Wiley & Sons

The Autodesk(R) Civil 3D(R) 2020: Fundamentals guide is designed for Civil Engineers and Surveyors who want to take advantage of the Autodesk(R) Civil 3D(R) software's interactive, dynamic design functionality. The Autodesk Civil 3D software permits the rapid development of alternatives through its model-based design tools. You will learn techniques enabling you to organize project data, work with points, create and analyze surfaces, model road corridors, create parcel layouts, perform grading and volume calculation tasks, and layout pipe networks.

Topics Covered Learn the Autodesk Civil 3D print parcel reports. Create points and point groups and work with survey figures. Create, edit, view, and analyze surfaces. Create and edit alignments. Create data shortcuts. Create sites, profiles, and cross-sections. Create assemblies, corridors, and intersections. Create grading solutions. Create gravity fed and pressure pipe networks. Perform quantity takeoff and volume calculations. Use plan production tools to create plan and profile sheets. Prerequisites Access to the 2020 version of the software. The practices and files included with this guide might not be compatible with prior versions. Experience with AutoCAD(R) or AutoCAD-based products and a sound understanding and knowledge of civil engineering terminology.

Manual de Práticas de

Topografia John Wiley & Sons AutoCAD Civil 3D 2011 Essentials is designed for students, Civil Engineers and Create /Edit Parcels and Surveyors who want to take advantage of AutoCAD Civil 3D's interactive, dynamic design functionality. AutoCAD figures Create, edit, view, Civil 3D permits the rapid development of alternatives through its model-based design tools. You will learn techniques enabling you to organize project data, work with points, create and analyze surfaces, model road corridors, create parcel layouts, perform grading and volume calculations tasks, and lay out pipe networks. This textbook focuses on teaching students the core tasks and workflows that are needed to successfully operate AutoCAD Civil 3D. This text is intended for all users of AutoCAD Civil 3D. Upon completion of this

textbook, students will be the civil 3D user interface print parcel reports Create and manage Points and Point Groups and work with survey and analyze surfaces Create and edit Alignments Create data shortcuts and vault projects Create sites, profiles and cross-sections Create assemblies, corridors, and intersections Create complex grading solutions Create pipe networks Perform quantity takeoff and volume calculations Utilize Plan productions to create plan profiles sheets

LT 2021 John Wiley & Sons

La metodología BIM (Building Information experimentará con la conexión WMS al son conceptos que han irrumpido en los nuevos procesos de desarrollo y modelización de proyectos de edificación y Foundation Classes) o LandXML, también

obra civil. La aplicación de la metodología able to: Become familiar with BIM en el desarrollo de cualquier proyecto arquitectónico, o de ingeniaría civil es ya un hecho. No tener conocimientos acerca de ello es posible que lo descarte automáticamente como participante en cualquier fase de desarrollo. Este libro le enseñará a desenvolverse en proyectos a través de Autodesk Civil 3D, un fantástico software sobre modelado BIM de infraestructuras de la reconocida marca Autodesk. Las últimas versiones de Civil 3D vienen repletas de nuevas herramientas muy productivas y enfocadas a esta metodología. El libro se complementa con alrededor de 60 ejercicios totalmente resueltos y explicados paso a paso. A través de ellos, experimentará de primera mano la gestión de datos topográficos procedentes de dispositivos GNSS y estaciones totales. Generará modelos digitales del terreno Mastering AutoCAD 2021 and AutoCAD (MDT) al añadir información gráfica y al superponer imágenes satelitales, y Modeling), el Gemelo Digital y el Big Data descargar mapas en línea. La generación de proyectos lineales y su interoperabilidad con otros formatos, como el IFC (Industry

son aspectos para destacar en este libro. Aprenderá a realizar proyectos lineales, con provides a step-by-step todos sus elementos (alineaciones, rasantes, introduction to AutoCAD with adaptaciones en planta y alzado, longitudinales, trasversales y secciones tipo) of each tutorial. In fifteen clear and verificando en todo momento un estricto control geométrico gracias al Country Kit y a la normativa de trazado disponible. Además, adquirirá conocimientos sobre interoperabilidad con otros programas, como ReCap Pro, gestionando datos LiDAR, y Revit, intercambiando topografías. Finalmente, será capaz de generar entregables en formatos BIM, y hará uso de multitud de programas, como BIMvision, Carlson Precision 3D e Infraworks. Dado su potencial, con Infraworks podrá profundizar un poco más, por lo que se dedica un capítulo completo a they've learned by completing su manejo y compatibilidad con Civil 3D. Este es un gran libro cuyos beneficios experimentará inmediatamente y con el que cumulative-learning approach and incrementará su competitividad, productividad y, en general, en la calidad de skilled AutoCAD users. Tutorial diseño de sus proyectos. Sin duda, toda una Guide to AutoCAD 2015 begins with inversión.

Tutorial Guide to AutoCAD 2020 John Wiley & Sons

Tutorial Guide to AutoCAD 2015 commands presented in the context tutorials. Key Terms and Key comprehensive chapters, author Shawna Lockhart guides readers through all the important commands each tutorial. Also, a glossary of and techniques in AutoCAD 2015, from 2D drawing to solid modeling and finally finishing with rendering. In each lesson, the author provides step-by-step instructions with frequent illustrations showing exactly what appears on the AutoCAD screen. Later, individual steps are no longer provided, and readers are asked to apply what sequences on their own. A carefully developed pedagogy reinforces this supports readers in becoming three Getting Started chapters that include information to get readers of all levels prepared for the

tutorials. The author includes tips that offer suggestions and warnings as you progress through the Commands are listed at the end of each chapter to recap important topics and commands learned in terms and Commands Summary list the key commands used in the tutorials. Each chapter concludes with end of chapter problems providing challenges to a range of abilities in mechanical, electrical, and civil engineering as well as architectural problems. Mastering AutoCAD Civil 3D 2015 Ascent. Center for Technical Knowledge O BIM oferece uma nova abordagem para design, construção e gerenciamento de instala c õ es. Nela, a representação digital do produto e do processo de construção são usados para facilitar o intercâmbio e a interoperabilidade de informa ç õ es. O BIM est á mudando a apar ê ncia das construções, a maneira como funcionam, são projetadas e

consulta completa, consolidada e independente, capaz de ajudar alunos e standard software for civil profissionais do setor da construção civil a aprenderem sobre essa incr í vel abordagem. Autodesk Civil 3D 2020: Fundamentals (Imperial Units) Bookman Editora The most complete resource for learning AutoCAD Civil 3D Mastering AutoCAD Civil 3D is the ultimate guide to the new standard in civil engineering software. With combined experience in both civil engineering and Autodesk Civil 3D, authors Cyndy Davenport and Ishka Voiculescu guide you through the ins and outs of the program, from the fundamentals to the littleknown tricks that make a big difference. The book focuses on real-world applications in professional environments, and presents topics and ideas not found anywhere else. Lessons begin simply, with an overview of the software and interface, and then

executadas. Este livro é uma fonte de gradually progress to more complex features downloadable datasets that topics. AutoCAD Civil 3D is the engineering and design. From surveying and mapping, to design, to documentation and analysis, the program offers expanded capabilities and complementary workflows, allowing easy integration with InfraWorks, Revit Structure, and more. The ability to complete a project within a single suite means increased productivity and continuity, which translates into quicker turnaround, better-designed structures, and streamlined project management. The savvy civil engineering professional must be well versed in the program's full functionality as it expands throughout government agencies and private companies. This book including: Surveying, points, and alignments Profiles, corridors, and grading LandXML and LDT project transfer Visualization, sheets, and project management The book also

enable you to access the lessons most relevant to your needs, and includes an objectives map to help you prepare for the Civil 3D certification exam. For the civil engineering professional hoping to remain relevant in a changing industry, Mastering AutoCAD Civil 3D is the ultimate resource. AutoCAD 2008 John Wiley & Sons The bestselling AutoCAD reference, with all new bonus video content Mastering AutoCAD 2016 and AutoCAD LT 2016 is a complete tutorial and reference, helping you design accurately and efficiently while getting the most out of the AutoCAD 2016 software. Concise explanations and focused examples strengthen your understanding of AutoCAD concepts, while step-by-step instruction and hands-on projects help you develop the skills you need for realworld projects. This new edition covers features in-depth coverage of topics the latest AutoCAD capabilities, and gives you access to videos demonstrating crucial techniques. The companion website provides all of the project files necessary for the tutorials, and features additional video tutorials and other bonus content. You'll start with the basics of

AutoCAD drafting, and gradually build your skills to an advanced level as you learn 3D modeling and imaging. Whether you're preparing for the Autodesk certification or just want to be an AutoCAD guru, this book provides the comprehensive information you need. Get AutoCAD Civil 3D design. Each acquainted with the AutoCAD 2016 interface and drafting tools Work with hatches, fields, tables, dynamic blocks, solid fills, and more Build an accurate, scalable 3D model of your design for reference Customize your AutoCAD and integrate it with other software Packed with expert tips, tricks, techniques, and tutorials, Mastering AutoCAD 2016 and AutoCAD LT 2016 is your essential guide to get up to speed quickly.

Tunnels and Underground Cities. Engineering and Innovation Meet Archaeology, Architecture and Art **SDC** Publications

Start designing today with this hands-on beginner's guide to AutoCAD Civil 3D 2016 AutoCAD Civil 3D 2016 Essentials gets you quickly up to speed with the features and functions of this industry-leading civil engineering software. This full-color guide

features approachable, hands-on exercises and additional task-based tutorials that help you quickly become productive as you master the fundamental aspects of chapter opens with a quick discussion of concepts and learning goals, and then briskly moves into tutorial mode with screen shots that easily. illustrate each step of the process. The emphasis is on skills rather than tools, and the clear delineation between "why" and "how" makes this guide ideal for guick reference. The companion website provides starting and ending files for each exercise, so you can jump in at any point and compare your work with the pros. Centered around the realworld task of designing a residential AutoCAD 2014 and the lessons subdivision, these exercises get you up to speed with the program's functionality, while also providing the only Autodesk-endorsed preparation for the AutoCAD Civil 3D certification exam. Master the AutoCAD Civil 3D 2016 interface

and basic tasks Model terrain using imported field survey data Analyze boundaries, pipe networks, surfaces, and terrain Estimate quantities and create construction documentation If you're ready to acquire this must-have skillset, AutoCAD Civil 3D 2016 Essentials will get you up to speed guickly and

AutoCAD Civil 3D 2015 Essentials John Wiley & Sons The primary goal of AutoCAD 2014 Tutorial - First Level: 2D Fundamentals is to introduce the aspects of Computer Aided Design and Drafting (CADD). This text is intended to be used as a training guide for students and professionals. This text covers proceed in a pedagogical fashion to guide you from constructing basic shapes to making multiview drawings. The lessons are further reinforced by the video presentations found on the enclosed multimedia disc. This

tutorial style lessons designed to introduce beginning CAD users to AutoCAD 2014. It takes a hands-on, exercise-intensive approach to all the important 2D CAD techniques and concepts. This text is also helpful to AutoCAD users upgrading instruction on the program's core from a previous release of the software. The new improvements and key enhancements of the software are incorporated into the lessons. The 2D-CAD techniques and concepts discussed in this text are also designed to serve as the foundation to the more advanced parametric feature-based CAD packages such as Autodesk Inventor. The basic premise of this book is that the more designs you create using AutoCAD 2014, the better you learn the software. With this in mind, each lesson introduces a new set of commands and concepts, building on previous lessons. This book is intended to help readers establish a good basis for exploring and growing in the

textbook contains a series of eleven exciting field of Computer Aided Engineering.

> AutoCAD 2016 and AutoCAD LT 2016 **Essentials CADArtifex** Learn AutoCAD 2016 quickly and painlessly with this practical hands-on guide AutoCAD 2016 Essentials gets you up to speed quickly, with hands-on features and functions. This new edition provides more manufacturing and landscape examples, a stronger emphasis on skills rather than tools, starting and ending files for every exercise, and a more clearly defined layout that separates the step-by-step instructions from the "why" discussion. Based on the real-world task of designing a house, the hands-on exercises help you quickly develop confidence and become productive with the software as you master the major 2D functions and move into 3D modeling. From layout to presentation, this in-depth guide takes you through the entire design process, and provides downloadable data so you can compare your work to the pros. If you're preparing for AutoCAD certification, this book is the ideal study guide — and the only one officially endorsed by Autodesk. This book is your unique learning resource that features

concise, straightforward explanations and hands-on exercises. Each chapter opens with a quick discussion of concepts, and then briskly moves into an approachable, practical tutorial that helps you gain confidence in your new AutoCAD 2016 skills. Master the AutoCAD interface and basic 2D drawing skills Work with splines, polylines, hatch patterns, and gradients Organize objects with layers, groups, blocks, and cross-referencing Use constraints and layouts, print and export, model in 3D, and much more If you're a design professional, AutoCAD is need-toknow software. You have to be comfortable with it to be productive. AutoCAD 2016 Essentials gets you up and running quickly, with patient instruction and plenty of hands-on practice.

Tutorial Guide to AutoCAD 2018 John Wiley & Sons

Quickly learn essential Civil 3D tools and techniques Get a thorough introduction to AutoCAD Civil 3D. the industry-leading engineering software used to design roads, highways, subdivisions, drainage and sewer systems, and more. This Autodesk Official Press book is a unique learning resource that features concise, straightforward explanations

and real-world, hands-on exercises and A complete, detailed reference and tutorials. With compelling full-color screenshots and approachable exercises that demonstrate core features and functions, the book helps you gain understanding and confidence Training Guide has been completely as you master this premiere civil engineering software. Introduces the software's interface and foundational concepts Follows a workflow-based approach that mirrors how projects progress in the real world, and guides you through importing and working with field survey data, managing point the best methods for creating, editing, data with groups and styles, and modeling terrain using surfaces Covers creating and editing alignments book features in-depth, detailed and profiles, designing 3D road models, building and analyzing terrain models, designing and analyzing pipe networks, and much more Shows how to estimate quantities and create construction documentation Provides information to help you prepare for the and data shortcuts. Practical tutorials, Civil 3D certification exam AutoCAD Civil 3D Essentials is the perfect, real- easy-to-follow explanations detail all world introduction to the powerful civil aspects of a civil engineering project. engineering software. Tutorial Guide to AutoCAD 2015 CRC as a Certification Preparation study

Press

tutorial for AutoCAD Civil 3D Autodesk's Civil 3D is the industryleading civil engineering software, and this authoritative Autodesk Official revised and modernized to offer you a fresh perspective on this powerful engineering package. Packed with new examples, new datasets, and new tutorials, this book shows how elements of the dynamic engineering program work together and discusses displaying, and labeling all of a civil engineering project's elements. The coverage of surveying, points, alignments, surfaces, profiles, corridors, grading, LandXML and LDT Project Transfer, cross sections, pipe networks, visualization, sheets, and project management as well as Vault tips, tricks, real-world examples and This Mastering book is recommended guide resource for the Civil 3D

Associate and Professional exams. Features in-depth, detailed coverage of AutoCAD Civil 3D, the enormously popular civil engineering software Shows how elements of the dynamic engineering program work together and discusses the best methods for creating, editing, displaying, and labeling all of a civil engineering project's elements Shares straightforward explanations, realworld examples, and practice tutorials on surveying, points, alignments, surfaces, profiles, corridors, grading, and much more In addition to teaching you vital Civil 3D tips, tricks, and techniques, Mastering AutoCAD Civil 3D will also help you prepare for the Civil 3D 2011 Certified Associate and Certified Professional exams. Ingenier í a de v í as agroforestales John Wiley & Sons El desarrollo urban í stico avanza hacia la tecnolog í a 3D. Si como muchos ingenieros y top ó grafos forma parte del mundo de Autodesk, la solución para asumir el reto es AutoCAD Civil 3D. Una aplicación que permite desarrollar un amplio rango de proyectos de ingenier í a de

manera rápida, inteligente y precisa. Este manual de referencia es la mejor forma de utilizar AutoCAD Civil 3D 2010 en entornos profesionales del mundo real. Abarca los conceptos básicos sobre la creación y utilización de los elementos que configuran el universo del programa y todas sus herramientas principales. Comienza con un an á lisis minucioso del entorno del programa para luego ofrecer una información detallada sobre I í neas y arcos, puntos, topograf í a, parcelas, superficies, alineaciones, obras lineales, explanaciones, tuber í as y gesti ó n de proyectos. Podrá convertirse en un experto en el uso de Civil 3D. En el sitio Web de Anaya Multimedia encontrar á todos los archivos necesarios para realizar los ejercicios prácticos.

AutoCAD 2014 Tutorial - First Level: 2D Fundamentals AutoCAD Civil 3D 2016 Essentials

The most complete resource for learning AutoCAD Civil 3D Mastering AutoCAD Civil 3D is the ultimate guide to thenew standard in civil engineering software. With combined experience in both civil engineering and Autodesk Civil 3D,

authorsCyndy Davenport and Ishka Voiculescu guide you through the ins andouts of the program, from the fundamentals to the little-knowntricks that your needs, and includes anobjectives make a big difference. The book focuses on real-worldapplications in professional environments, and presents topics andideas not found anywhere else. Lessons begin simply, with anoverview of the software and interface, and then gradually progressto more complex topics. AutoCAD Civil 3D is the standard software for civil engineeringand design. From surveying and mapping, to design, to documentation and analysis, the program offers expanded capabilities and complementary workflows, allowing easy integration with InfraWorks, Revit Structure, and more. The ability to complete a project within a single suite means increased productivity and continuity, whichtranslates into quicker turnaround, better-designed structures, andstreamlined project management. The savvy civil engineeringprofessional must be well versed in the program's fullfunctionality as it expands throughout government agencies and private companies. This book features in-depth coverage of topicsincluding: Surveying, points, and alignments Profiles, corridors, and grading LandXML and LDT project transfer Visualization, sheets, and project

management The book also features downloadable datasets that enable you toaccess the lessons most relevant to map to help you prepare for the Civil 3D certificationexam. For the civil engineering professional hoping to remainrelevant in a changing industry, Mastering AutoCAD Civil 3Dis the ultimate resource.

AutoCAD 2021 Beginners Guide John Wiley & Sons

Learning through Q&A-Useful tips and tricks-Focus on real-world projects-Stripped of generalities and theory-Highlight frequent questions, problems, and errors-Include practical examples for every topic-Provide instructive illustrations and diagrams for every topic-Can serve as a Civil 3D encyclopedia for learners of all stages Road

constructionCartographyTransmission lines Land leveling Land subdivision Special points and issues. This handbook enhances the ability of cartographers and civil engineers to work with the powerful Softwares Civil 3D and AutoCAD by providing practical illustrative examples and problem instances. Here, we try to

avoid the theoretical and general description of software features and capabilities and instead focus on the practical use of features on a topical basis. The educational materials are organized for step by step learning, but the handbook also serves as a compact encyclopedia allowing the reader to access the content of interest directly. The handbook is designed to meet the shared needs of users, answer the frequently asked questions, and resolve the problems commonly encountered when using Civil 3D. We hope that the reader will find this document helpful and informative.

Civil 3D and AutoCAD Professional Tips and Techniques SDC Publications If you want to learn AutoCAD to create technical drawings, this is the book for you. You will learn to use commands and techniques by following the step-by-step examples given in this book. This book covers everything from creating twodimensional (2D) and three dimensional (3D) drawings to printing and publishing The topics covered in this book are illustrated with the help of real world examples such as gaskets, flanges, brackets, schematic line diagrams, and

more. Also, this book is well organized andyour work or jump directly to the section can be used for a course or self-study. -Get familiarized with user interface and navigation tools - Create print ready drawings - Create smart drawings using parametric tools - Have a good command over AutoCAD tools and techniques -Explore the easiest and quickest ways to perform operations - Know how to reuse existing data - Create 3D models and generate 2D drawings You can download Resource Files from: www.cadfolks.com (Available very soon) Autocad civil 3D 2012 Ascent, Center for Technical Knowledge Learn the leading civil engineering software, fast and in full color If you need surfaces and parcels Using profiles, to learn the core features and functions of AutoCAD Civil 3D now, this is the book Creating construction documentation and for you. AutoCAD Civil 3D Essentials uses full-color screenshots and tutorials based on real workflows to teach you the fundamentals of this industry-leading civil engineering software. Award-winning instructor Eric Chappell has been using and teaching Civil 3D since its first release, and his to-the-point explanations of crucial Civil 3D topics mean that you'll learn what you need to know quickly and efficiently. In each chapter, you will progress from guided tutorials to openended civil projects, and can download before and after project files to check

of the book you need. AutoCAD Civil 3D Essentials will have you designing. implementing, and documenting civil engineering projects in no time. As an Autodesk Official Press book, AutoCAD Civil 3D Essentials is approved as a study guide for Civil 3D certification exams. The proven skills-based approach of this guide focuses on enabling you to fully leverage the capabilities of this powerful software. Here are a few of the skills you will learn as you work through this comprehensive book: Working with field survey data, point data, and stakeout data Modeling terrain and boundaries using alignments, corridors, and quantities project visualizations Manual de BIM - 3.ed. Editorial Paraninfo Give life to your designs and keep your CAD skills fresh with Mastering AutoCAD 2021 and Mastering AutoCAD LT 2021 AutoCAD continues to be the tool of choice for

architects, project managers,

engineers, city planners, and other

design professionals, and when the

industry experts need to learn the

latest CAD techniques and trends,

they turn to Mastering AutoCAD and AutoCAD LT. Packed with real-world examples, straightforward instructions, and downloadable project files, this edition of this bestselling AutoCAD reference has been fully updated for the latest features from the 2021 version of AutoCAD and AutoCAD LT. From getting familiar with the interface to preparing for Autodesk AutoCAD certification. Mastering AutoCAD 2021 and AutoCAD LT 2021 gives CAD professionals command of the software's core functions and complexevel, along with its continuous value capabilities. Develop AutoCAD drawings from concept to creation Use saving and achieving sustainable hatches, fields, and tables Work with dynamic blocks, attributes, drawing curves, and solid fills Apply 3D modeling and imaging techniques Customize your interface and configure template settings and styles Get ready for the Autodesk AutoCAD Certification exam Whether you' re seeking on-the-job certification or just Tunnelling Association. By placing looking to dream big and draw, Mastering AutoCAD 2021 and AutoCAD LT 2021 is the ultimate guide to all things AutoCAD.

AutoCAD 2022 Tutorial First Level 2D the green line. In order to consider and Fundamentals SDC Publications Tunnels and Underground Cities: Engineering and Innovation meet Archaeology, Architecture and Art contains the contributions presented at the World Tunnel Congress 2019 (Naples, Italy, 3-9 May 2019). The use of underground space is continuing to grow, due to global urbanization, public demand for efficient transportation, and energy saving, production and distribution. The growing need for space at ground increase and the challenges of energy development objectives, demand greater and better use of the underground space to ensure that it supports sustainable, resilient and more liveable cities. This vision was the source of inspiration for the design of the logos of both the International (ITA) and Italian (SIG) black circle in the logos - it will be possible to preserve and enhance the quality of the space at ground level -

value underground space usage together with human and social needs. engineers, architects, and artists will have to learn to collaborate and develop an interdisciplinary design approach that addresses functionality, safety, aesthetics and quality of life, and adaptability to future and varied functions. The 700 contributions cover a wide range of topics, from more traditional subjects connected to technical challenges of design and construction of underground works, with emphasis on innovation in tunneling engineering, to less conventional and archetypically Italian themes such as archaeology, architecture, and art. The book has the following main themes: Archaeology, Architecture and Art in underground construction; Environment sustainability in underground construction; Geological and geotechnical knowledge and requirements for project key infrastructures underground – the implementation; Ground improvement in underground constructions; Innovation in underground engineering, materials and equipment; Long and

deep tunnels; Public communication and awareness; Risk management, contracts and financial aspects; Safety in underground construction; Strategic use of underground space for resilient cities; Urban tunnels. Tunnels and Underground Cities: Engineering and Innovation meet Archaeology, Architecture and Art is a valuable reference text for tunneling specialists, owners, engineers, architects and others involved in underground planning, design and building around the world, and for academics who are interested in underground constructions and geotechnics.