
QUALITY
SOLUTIONS
QUALITY, MEASURE OF CONFIDENCE

QAULITY SOLUTIONS PRESENCE

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EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

In the World of Competition where new technologies have kept pushing the limits of our achievements and bringing us at the stage to reconstruct our thoughts, its time to ponder once again on our effort for leading us into the future which is in coherence with our advance world. Living a life with same technologies for long time often result in the reluctant approach in adapting new technologies, and hence can result into a barrier in taking a step to the future.

With the grace of Allah, We have initiated a step to the future by bringing Quality Solutions in Pakistan with new technologies which would not only revolutionized the manufacturing sector of Pakistan but also provide a platform of opportunities for engineers to acquire advance skills for exceling in competitive World.

Dr. Muhammad Ejaz Siddiqui (CEO, Quality Solutions)

COMPANY PROFILE

COMPANY PROFILE

QUALITY SOLUTIONS has been providing innovative solutions in design and engineering since its founding in 2005. Our engineers are adept in understanding the dynamic requirements of our clients and offer them with cost effective value added services to make their business more profitable.

The company's goal continues to be to provide high quality design, engineering, technology, and software solutions in a timely cost effective manner, through the use of cutting-edge technology, products, and a highly skilled workforce.

Mission:

To be one of the most trusted source of 3D measurement, designing, imaging technology for the region within Middle East & Pakistan

Vision:

Automotive Engineering, Design & Manufacture sectors.

Construction & Survey Revers Engineering Solutions & Services.

Professional Technical Training & Educational Services

EXPERTISE

- Our team members are experienced leaders, experts in their fields, and the highest caliber consultants and executive coaches. Our approach is collaborative, scientific, and customized to your unique needs and goals.
- Our Team Highly skilled and focused professionals help to bring state of the art solutions for our customers. We believe in a team effort, and share the pride with all our members. We show full devotion to the tasks. We have versatile individuals in our team, all segregated into groups in light of their skill set. All groups work hard to attain a combined goal of completing the task in time and with the best quality.
- Our team is fully equipped with all sorts of latest technologies, and working methodologies.
- Our professionals are fully trained in CAD CAM CAE , 3D Scanning, Reverse Engineering, and As Built BIM for corporate benefits. Our quest for finding the best options never ends. We seek full customer satisfaction that's why we offer a wide variety of price tags for you to choose the one that suits you.

SERVING INDUSTREIS

MANUFACTURERS

VENDORS

- Logo Design
- Jigs & Fixtures
- Sheet Metal
- CNC Machines and 3D Printers
- Structure Designing and Analysis
- Product and Package Designing
- Designing and Simulations
- Plant and Piping
- Private Institutes
- Universities
- Govt Institutes
- Jewelry Design
- Plastic Parts
- Die & Mold

INDUSTRY REFERENCES

Defense Sector

- HEAVY INDUSTRIES TAXILA (HIT)
- HEAVY MECHANICAL COMPLEX
- PAKISTAN AIR FORCE (VISION PROJECT)
- NDC
- PAKISTAN ATOMIC ENERGY COMMISSION (PAEC)
- ADVANCED ENG RESEARCH ORG (AERO)
- MARINE SYSTEMS PVT. LTD. (MSL)
- PAKISTAN AERONAUTICAL COMPLEX- KAMRA

Corporate Sector

- WAPDA
- INDUS MOTOR CO. (TOYOTA)
- MIDAS SAFETY
- MANNAN SHAHID FORGING
- FARAZ INDUSTRIES
- DAWOOD YAMAHA LIMITED
- ADAM MOTORS
- OMAR JIBRAN
- DOLLAR INDUSTRIES
- SHERANNI ENGINEERING
- FARAZ INDUSTRIES
- BROTHERS INDUSTRIES
- TUSDEC

Educational Sector

- UET-TAXILA
- UET-LAHORE
- UET-NWFP
- NED UET
- MEHRAN UET-JAMSHORO
- KHUZDAR ENGINEERING UNIVERSITY
- QUADI-E-AWAM UNIVERSITY
- NUST-EME
- PIEAS
- GIK INSTITUTE OF ENGINEERING SCIENCES & TECHNOLOGY
- BZU MULTAN
- AIR UNIVETSITY
- NUST-SMME
- COMSATS-SAHIWAL
- DHA SAFFA KARACHI

INDUSTRY REFERENCES

ONSHORE & OFF SHORE OIL & GAS CO.

Lamprell

UAE

EAST الشرق
Engineering Consultancy للإستشارات الهندسية

JCB

ABB
Power and productivity for a better world™

Eni GROUP Saipem

Ard Geographics

Petrofac

فالكون FALCON
فالكون لاستشارات هندسة المساحة
SURVEY ENGINEERING CONSULTANTS

TOP OILFIELD

Agilion

Ahmed Ramadhan Juma

ACTVET
Abu Dhabi Centre for Technical and Vocational Education and Training
مركز أبوظبي للتعليم والتدريب التقني والمهني

ATHS
ثانوية التكنولوجيا التطبيقية
Applied Technology High School

KMETC

الشارقة
القيادة العامة لشرطة الشارقة
Sharjah Police Headquarters

SHUROOQ

SMART VISION
Engineering Consultants

DAMEN
DAMEN SHIPYARDS SHARJAH FZE

SHARJAH GOVERNMENT
DIRECTORATE OF TOWN PLANNING & SURVEY

بلدية دبي
DUBAI MUNICIPALITY

بلدية الشارقة
SHARJAH MUNICIPALITY

STREIT GROUP
WWW.ARMORED-CARS.COM

R&R DESIGN

أمرك AMMROC

OTS
Octave Technology Solutions

NATIVE SUN
Marine Innovation Division
An American Company

MES
Middle East SurveyEngineering
ISO 9001 : 2008 Certified Company

enerwhere
Sustainable Energy. Anywhere.

EGECA
HOUSE OF EXPERTISE

SAFECAGE
PROTECTING ASSETS

D2M SOLUTIONS

الشركة العربية للصناعات الثقيلة ش.م.خ.
ARAB HEAVY INDUSTRIES Pr.J.S.C.
(Managed by Keppel - Singapore)
AHI

NAD furniture L.L.C.

PRODUCT DESCRIPTIONS

TECHNOLOGY PARTNERS

1Ci

CAMWorks®
An HCL Technologies Product

geomagic®
the magic of making it simple™

SOLIDWORKS

Matrix
specialty lubricants

SoftInWay
incorporated

InnoTecUK™

UWT
LEVEL CONTROL

PolyWorks®
By InnovMetric Software Inc.

THOR 3D

SCANTECH
3D Digitization Expert

UnionTech™
Create your imagination

PRODUCT SERVICES

CAMWorks®
An HCL Technologies Product

SOLIDWORKS

geomagic®
the magic of making it simple™

Matrix
specialty lubricants

FARO

Kreon

CREAFORM

PolyWorks®
By InnovMetric Software Inc.

THOR 3D

1Ci

UnionTech™
Create your imagination

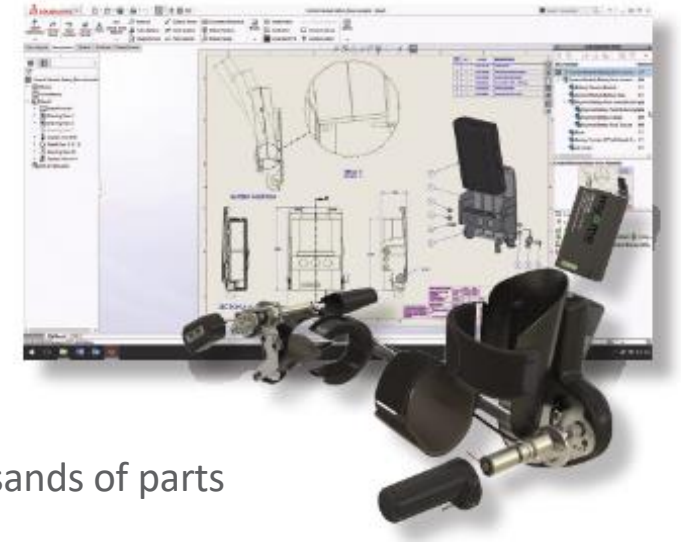
OFFERING SOLUTIONS

- Computer Aided Designing (CAD)
- Computer Aided Manufacturing (CAM)
- Computer Aided Engineering (CAE)
- Data Management
- Manage
- ERP
- Metrology
- 3D Documentations
- SURVEYING
- 3D Printing
- Non Destructive Testing (NDT)
- 3D INSPECTION
- Reverse Engineering

CAD

INSPIRING INNOVATION FROM CONCEPT THROUGH MANUFACTURING

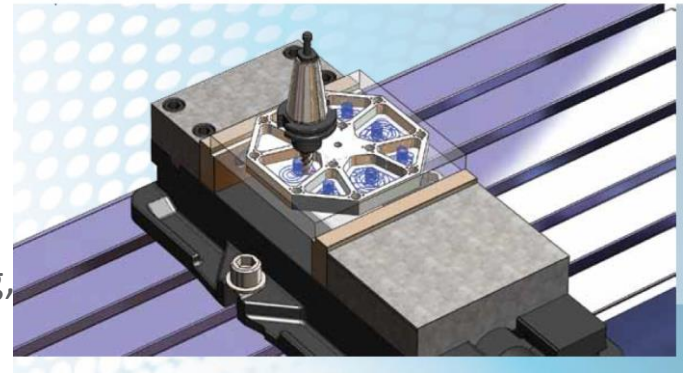
The SOLIDWORKS solution suite begins with design, from capturing and collaborating on concepts, to detailing parts and assemblies, through to manufacturing. Used by more than three million designers and engineers around the world, SOLIDWORKS helps drive smarter, faster product development. SOLIDWORKS 3D Design helps designers, engineers, and manufacturers advance their ideas from concept to production faster through industry leading capabilities.



- Powerful, yet easy-to use, 3D modeling and 2D drawing creation
- Ability to handle extremely large and complex designs even hundreds of thousands of parts
- Bill of Materials (BOM) that automatically update with design changes
- Advanced surfacing tools that ensure you can create any shape Design reuse tools that save time by automating model and drawing creation
- Advanced animation capture and photo-realistic rendering Fully integrated “Design for Manufacturing” (DFM) checks Built-in cost estimation to help hit manufacturing cost targets and speed quoting
- Specialized functions and CAD libraries that speed design of piping and electrical systems, molds, Sheetmetal, and weldments
- File management and collaboration tools built for use by everyone – colleagues, partners, and customers

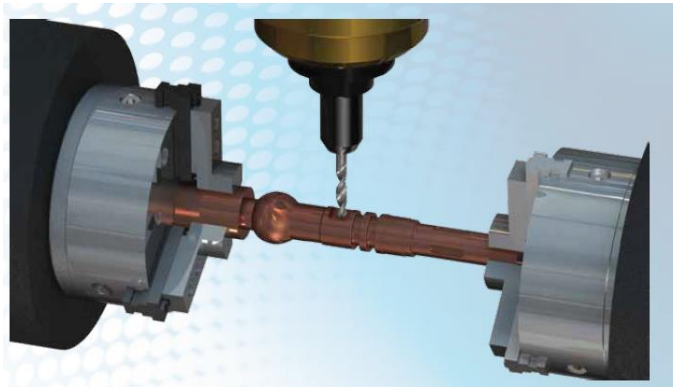
CAM

A parametric, solids-based CNC programming software system, brings in a revolutionary way to help machinists around the world program smarter and machine faster.



2.5- 3 Axis Milling:

Provides the most advanced 2.5 axis and 3 axis CNC programming solution available for manufacturing Industry. Milling Professional combines feature & knowledge based machining, the ability to read MBD and PMI data, including surface finish symbols, and a full suite of advanced 3 axis roughing finishing routines… into a single easy to use system. Thanks to it's seamless integration with various 3D CAD software's, the design and manufacturing model become one in the same. All of the CAM data is stored directly inside 3D CAD software part and assembly files and the CAM program toolpaths update automatically to design changes.



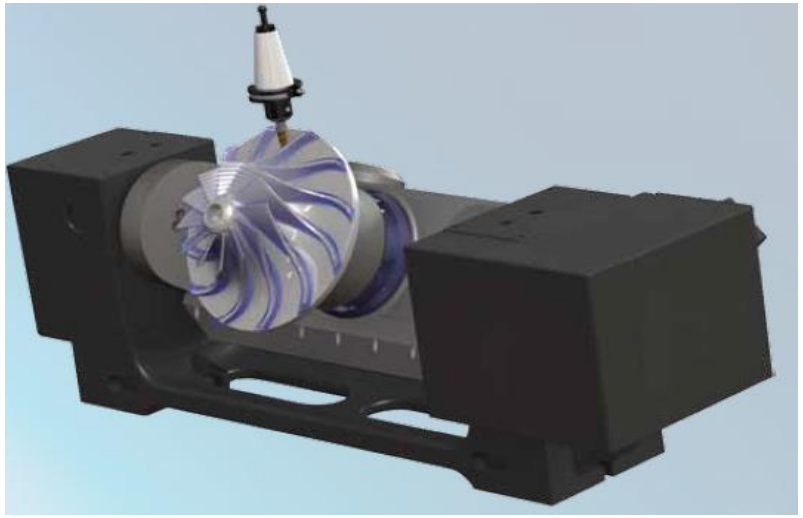
Mill-Turn:

Mill-Turn provides a programming solution for mill-turn or multi-tasking machines. Mill-turn machines are capable of performing turning and milling operations in a single setup that can increase accuracy, reduce part handling, and increase production.

CAM

Multi Axis Machining :

Multi Axis Machining gives shops and manufacturing facilities the ability to take full advantage of 4/5-axis machines that provide greater productivity, equipment flexibility, and higher quality. Multi-axis Machining creates toolpaths across complex shapes that would require multiple setups on 3-axis machines to be machined in a single setup, including automotive port finishing, impellers, turbine blades, cutting tools, parts requiring trimming/deflashing, undercut machining and much more.



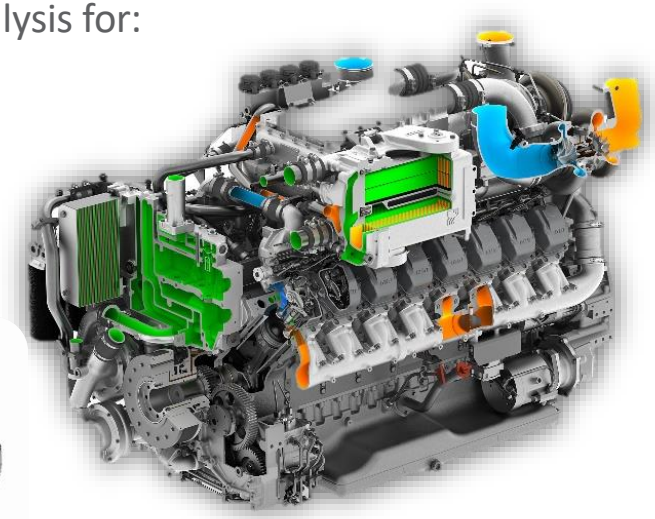
PRODUCT DESCRIPTIONS

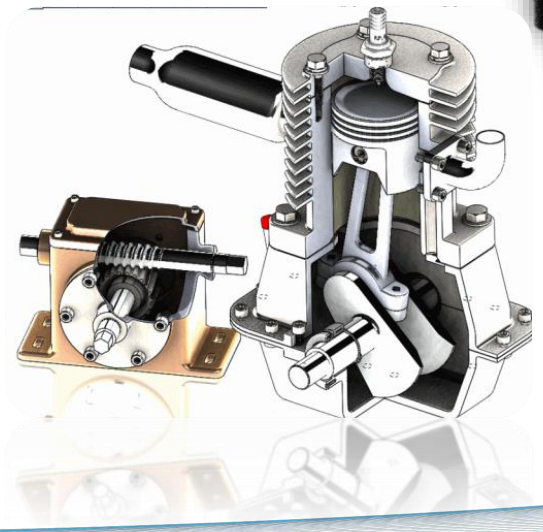
CAE

ADVANCED SIMULATION THAT'S POWERFUL AND EASY TO USE FOR BOTH ENGINEERS AND SPECIALISTS

SOLIDWORKS Simulation helps product engineers ask and answer important and complex engineering questions throughout the design process. You can test your designs to ensure that product behavior will avoid failures, be reliable, and achieve design requirements, with analysis for:

Structural—Finite Element Analysis (FEA)
Fluid flow and heat transfer – Computational Fluid Dynamics (CFD)
Plastics Injection Molding (PIM) Environmental impact
Time-based motion

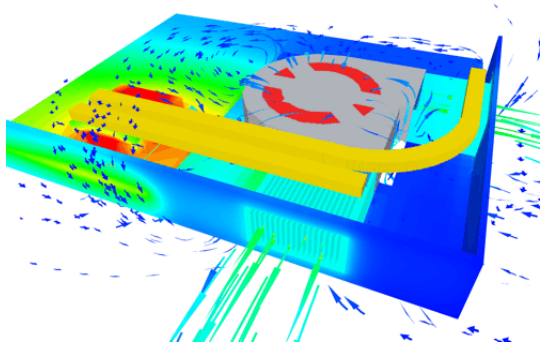




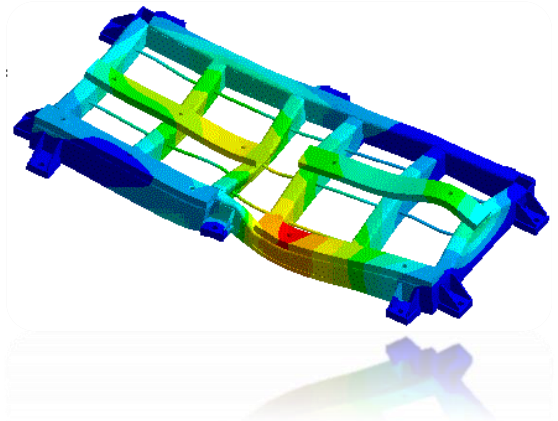
CAE

BENEFITES

Comprehensive results visualization shows the structural forces affecting your design—displaying stresses, displacements, lifetimes, and temperatures. You can determine measurements for any point, surface, or volume, and then graph and list results for all types of simulations.



Intuitive CFD simulation takes advantage of CAD integration, advanced geometry meshing, solution convergence, and automatic flow regime determination without sacrificing ease of use or accuracy. Product Engineers and CFD experts alike can predict flow fields, mixing processes, and heat transfer, and directly determine pressure drop, comfort parameters, fluid forces, and fluid structure interaction during design.

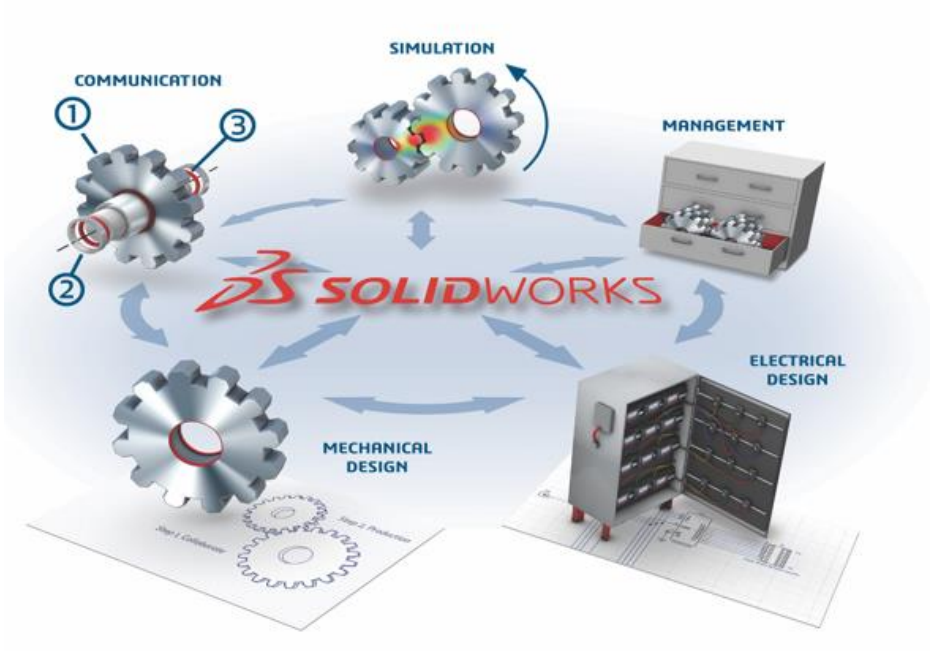


Now, every designer can answer the most complex “what if” questions, reduce the number of prototypes, ensure greater product accuracy, and get to market faster. Sophisticated and easy to use, SOLIDWORKS Simulation works seamlessly with SOLIDWORKS 3D CAD, so you can use it throughout the product design process.

DATA MANAGEMENT

TAKE CONTROL OF YOUR DATA TO ENHANCE COLLABORATION AND INNOVATION

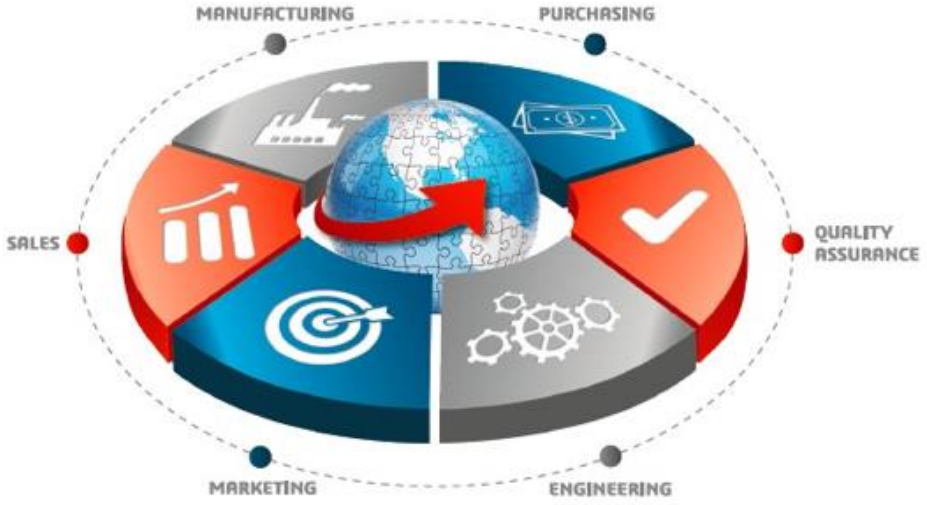
Product Data Management (PDM) enables designers and engineers across your organization to quickly and efficiently find, share, and reuse data, helping improve quality and collaboration. Enterprise-wide version control and integrated workflows help automate your design processes. Easy to implement, PDM can scale from small and mid-sized installations to hundreds of designers and engineers in distributed offices around the world.



- Rapidly find and use data—Ensure your team always has the right version, avoiding costly mistakes
- Collaborate without boundaries—Give your teams and partners quick access, even across continents and time zones, while maintaining version control
- Access with mobile connectivity—Browse folders, view file information and thumbnails, search, and change files from any device
- Be productive fast—Experience a fast learning curve and ease of use with an intuitive Windows® Explorer interface, personalized menus, and quick-access features that remove desktop clutter
- Streamline processes—Simplify administrative steps like approvals and sign-offs, and minimize administrative work, while maintaining accuracy and accountability

Manage

SOLIDWORKS Manage provides users with a unique set of advanced data management tools. This is accomplished by leveraging the file management capabilities and ease of use of SOLIDWORKS PDM Professional and adding powerful project, process, and item management capabilities, together with interactive dashboards and reporting tools.



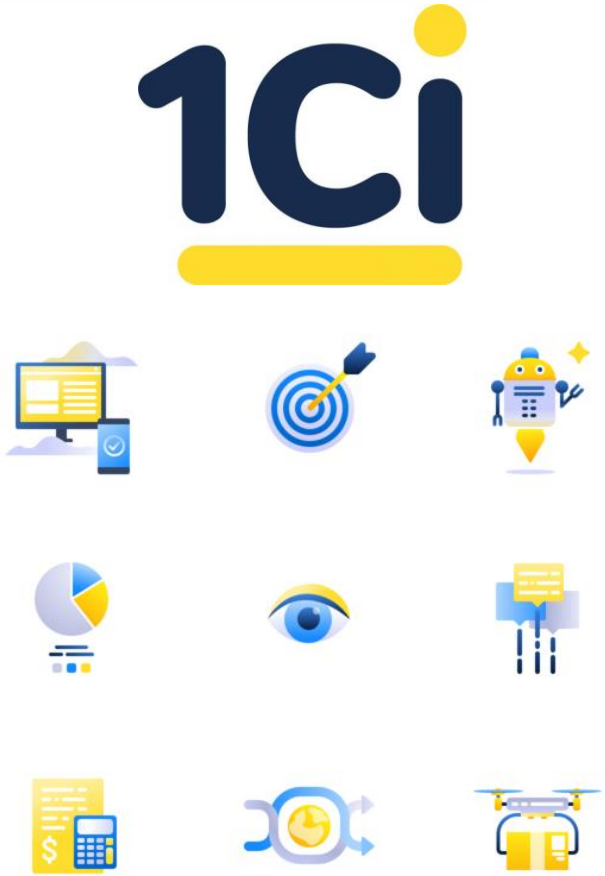
Benefits

- Reduces the time in creating complete Bills of Materials (BOMs) through an easy-to-use editing feature that combines file and record data, and by automatically sharing product data with other business systems.
- Lessens the expense of maintaining multiple data management systems and separate applications by providing access to synchronized data all in one system and by eliminating the need for external resources or consultants.
- Avoids project development time and cost overruns by having all timelines, resources, tasks, and deliverables linked to a common project object and updated in one system.
- Provides project managers with information to make critical product development decisions with the help of interactive dashboards and an overall view of resource capacity.

ERP

A process used by companies to manage and integrate the important parts of their businesses.

1Ci, an ERP software system can also integrate planning, purchasing inventory, sales, marketing, finance, human resources, and more.



Benefits

- Flexible 1Ci ERP solution, empowering enterprises to meet the digital challenges of today's business, grow faster and lead their markets.
- Comprehensive automatization of all processes
- Transparency of business and focus on the big picture
- One intuitive dashboard to control all business units
- Growth through insight
- Effective for small medium and large organizations
- Cost Effective on the organizational level
- User friendly environment

METROLOGY

No matter what you are up against, be it a need to perform 3D inspections, CAD-to-part analysis, alignments or reverse engineering –Portable CMMs are the industry standard in Metrology. High accuracy laser scanner integrated with CMMs bridge/ horizontal type, Portable CMMs

Quality Solutions has spent more than 14 years bringing excellence into the marketplace. Through our wide array of products expertise, bringing the innovations to the market ,QS help customers to understand technology with the help of our services. Our portfolio of portable coordinate measuring machines (CMMs) includes measuring arms, laser trackers, 3D laser scanners and 3D imagers. These portable CMMs can be used for both contact and non-contact measurement.

APPLICATIONS:

Dimensional Analysis, CAD-Based Inspections, Non-Contact Inspections, Alignment, Incoming Inspections, In-Process Inspections, Tool-Building & Setup, Automated In-line Inspection, Virtual Templating and Positioning Solution

METROLOGY: AUTOMOTIVE

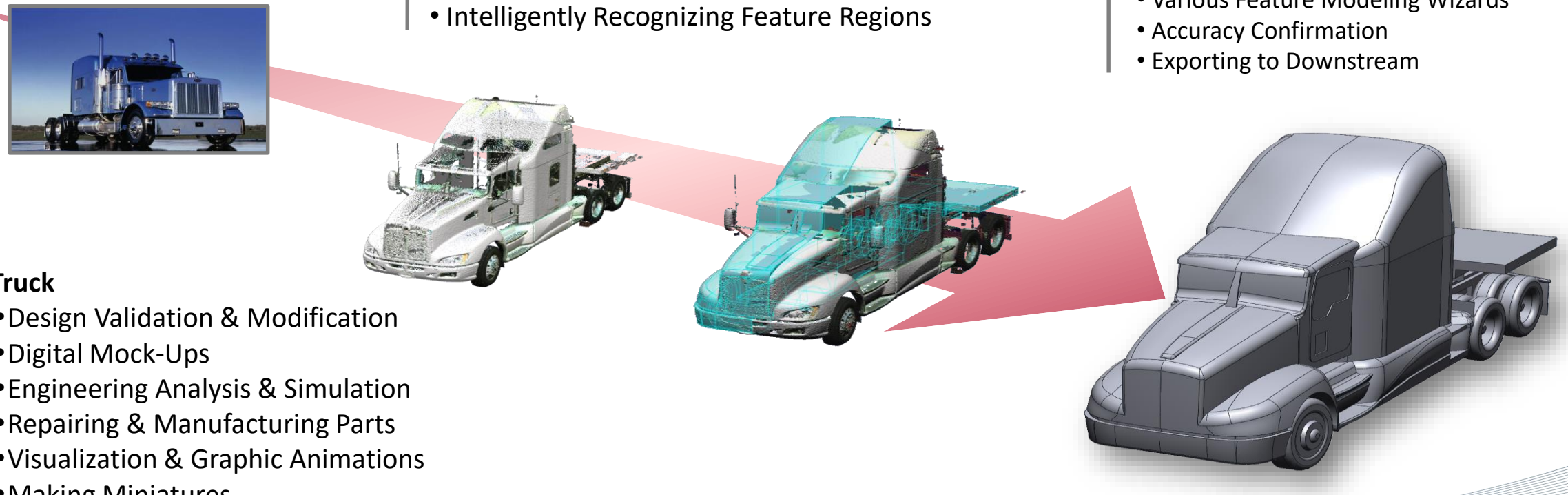
Scanning by
Long-Range
3D Scanner

Using Massive Numbers of
Point Clouds or Meshes

- Cleaning & Editing
- Analyzing Shapes using Various Viewing Tools
- Aligning Scans & Constructing Mesh
- Intelligently Recognizing Feature Regions

Extracting Feature Information
and 3D Feature Modeling

- Extracting Freeform Shape by NURBS surface fitting method
- As-Built 3D Feature Modeling
- Various Feature Modeling Wizards
- Accuracy Confirmation
- Exporting to Downstream



Truck

- Design Validation & Modification
- Digital Mock-Ups
- Engineering Analysis & Simulation
- Repairing & Manufacturing Parts
- Visualization & Graphic Animations
- Making Miniatures

METROLOGY: AEROSPACE

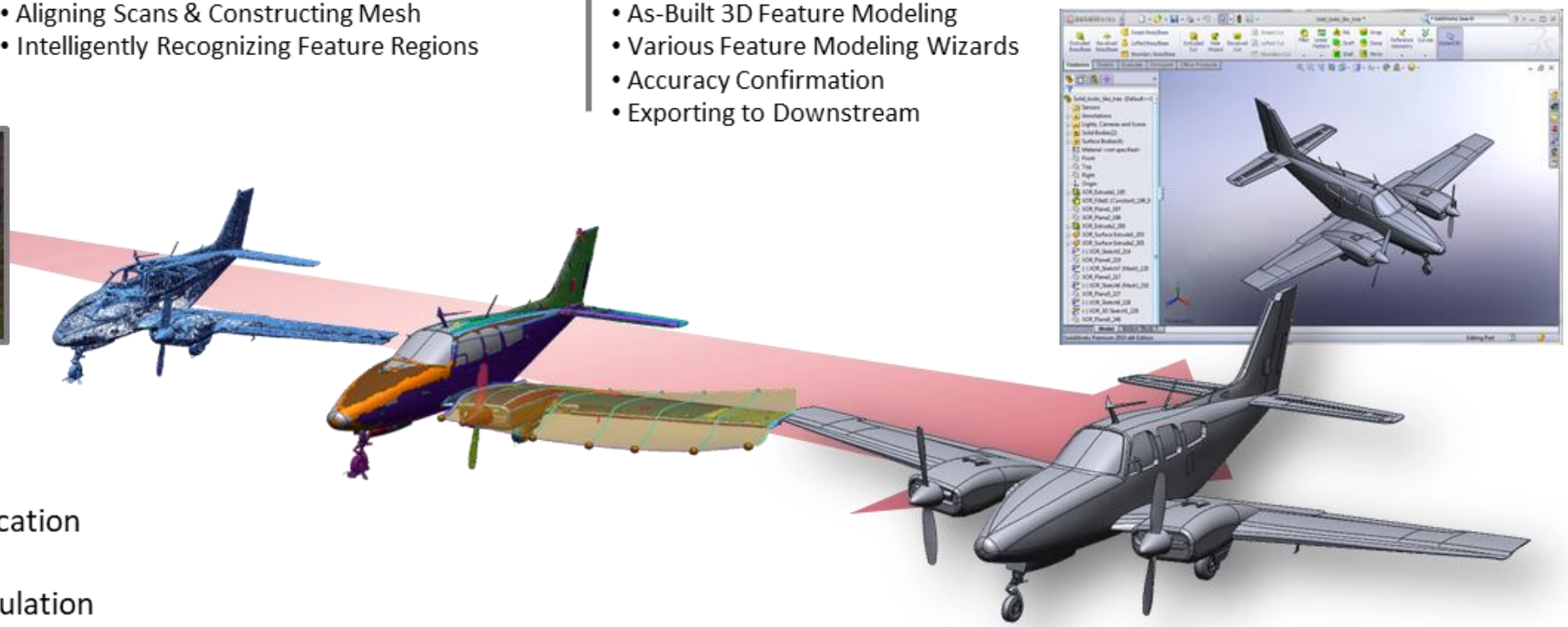
Scanning by Long-Range 3D Scanner

Using Massive Numbers of Point Clouds or Meshes

- Cleaning & Editing
- Analyzing Shapes using Various Viewing Tools
- Aligning Scans & Constructing Mesh
- Intelligently Recognizing Feature Regions

Extracting Feature Information and 3D Feature Modeling

- Extracting Freeform Shape by NURBS surface fitting method
- As-Built 3D Feature Modeling
- Various Feature Modeling Wizards
- Accuracy Confirmation
- Exporting to Downstream



Airplane

- Design Validation & Modification
- Digital Mock-Ups
- Engineering Analysis & Simulation
- Repairing & Manufacturing Parts
- Visualization & Graphic Animations
- Making Miniatures

METROLOGY: POWER

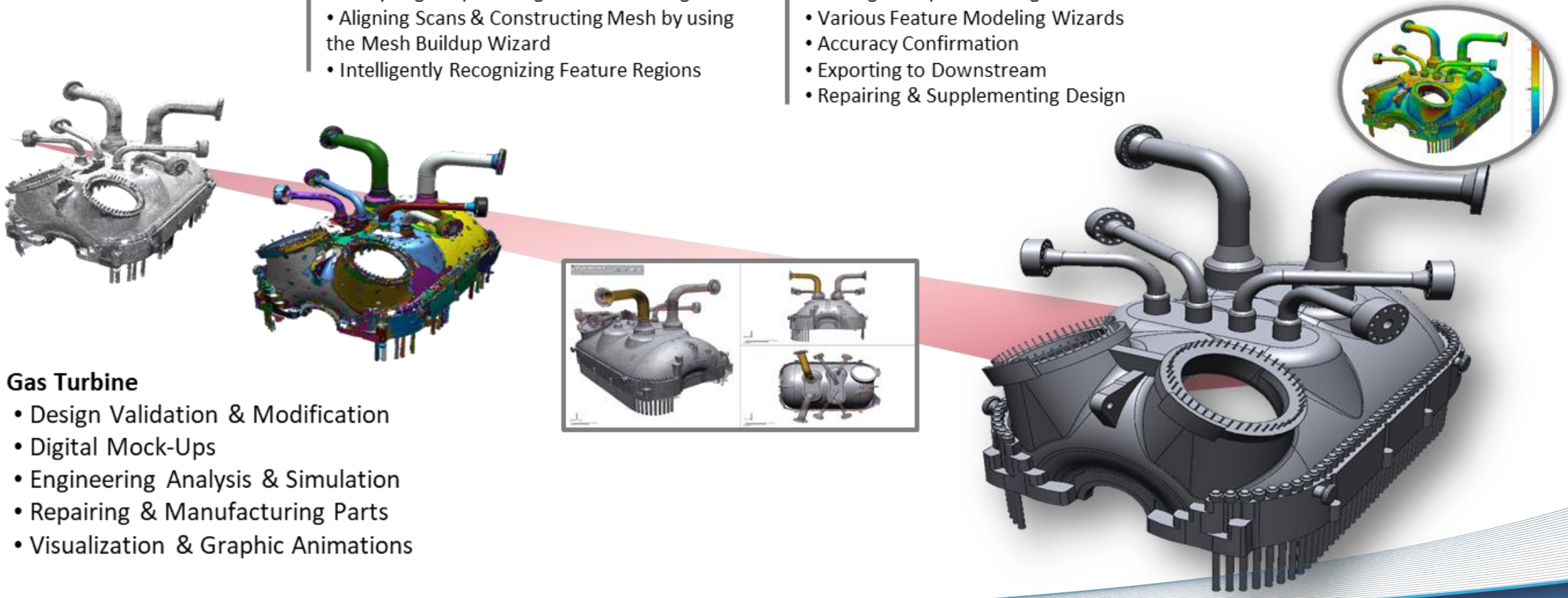
Scanning by Long-Range 3D Scanner

Using Massive Numbers of Point Clouds or Meshes

- Cleaning & Editing
- Analyzing Shapes using Various Viewing Tools
- Aligning Scans & Constructing Mesh by using the Mesh Buildup Wizard
- Intelligently Recognizing Feature Regions

Extracting Feature Information and 3D Feature Modeling

- As-Built 3D Feature Modeling
- Intelligent Pipe Modeling Wizard
- Various Feature Modeling Wizards
- Accuracy Confirmation
- Exporting to Downstream
- Repairing & Supplementing Design



Gas Turbine

- Design Validation & Modification
- Digital Mock-Ups
- Engineering Analysis & Simulation
- Repairing & Manufacturing Parts
- Visualization & Graphic Animations

METROLOGY: DEFENCE

Scanning by Long-Range 3D Scanner

Using Massive Numbers of Point Clouds or Meshes

- Cleaning & Editing
- Analyzing Shapes using Various Viewing Tools
- Aligning Scans & Constructing Mesh
- Intelligently Recognizing Feature Regions

Extracting Feature Information and 3D Feature Modeling

- As-Built 3D Feature Modeling
- Various Feature Modeling Wizards
- Accuracy Confirmation
- Exporting to Downstream
- Repairing & Supplementing Design

Old Tank

- Design Validation & Modification
- Digital Mock-Ups
- Engineering Analysis & Simulation
- Repairing & Manufacturing Parts
- Visualization & Graphic Animations

3D DOCUMENTATIONS

Industrial retrofit and construction projects have complex demolition and installation planning requirements. Unexpected delays can extend production downtime and create significant unwanted labor and downtime costs. Reality capture using 3D scanning creates a digital twin that can be used to simulate every demolition and installation step before a single cut is made. These simulations allow project management teams to mitigate risk by finding unexpecting clashes, safety risks or other unexpected difficulties. As shrinking contingency budgets necessitate that every project manager works to minimize costs, 3D scanning and project simulation have become key tools in identifying risks and planning projects in detail to reduce costs.

APPLICATIONS:

Architecture
Civil Engineering
Survey, Heritage, Ship-building,
Facility Managment
Forensic, Public Safety.
Construction

SURVEYING

UNMANNED AIR VEHICAL (UAV)

The Smart Plane Freya is perfect for BVLOS. The system consists of three central components: the drone, all the required software and accessories, and support services. The system can be complemented with additional components to enable even more mission types, using the same software.

User friendly

Intuitive and easy to use thanks to a system developed in close co- operation with users from many different fields. Freya is hand-launched with intuitive mission planning software run on a standard android tablet.

Customizable

Modify Freya to your needs, the payload bay of the drone has extra space if you would like to replace the original camera with other sensors.

Safe

Thanks to its low impact energy an autonomous flight capabilities Freya is completely safe to fly with minimal risk of personal injury or property damage. Our system complies with strict aviation safety requirements and has received operational permits around the world.

Built to last

Freya is built to last with a flexible plastic fuselage that absorbs impact and tough skin on carbon reinforced wings. You can safely smash into a tree or a rock without breaking the drone. We can guarantee a long relationship with Smart Plane if you fly our Freya.

3D PRINTING

A PROVEN LEADER IN GLOBALLY-SOURCED 3D STEREOLITHOGRAPHY

Stereolithography (SL) 3D printing equipment has been developed and manufactured in an environment of intense regional competition. The product offering for the international market of today reflects the experience that has made it a global leader in stereolithography.

Equipment is robustly constructed for low cost of ownership from the initial purchase onward while producing the highest quality parts. Parts produced on SL equipment are highly accurate with excellent feature resolution and full density , smooth surfaces. A philosophy of open design relative to material usage demonstrates desire to provide customers with the best available product solutions. Explore the fresh dimension in SL 3D printing that makes available in a full line of commercial and production scale machines.

- Best Surface finish of any additive technology
- True Isotropic strength, in XYZ
- Highly accurate that matches manufacturing
- The finest Detail
- Multiple materials choices, DSM, BASF + others
- Textured parts that look like end use parts
- Longest established 3D Printing technology
- Fully Open systems for materials
- Fully Open Software for build parameters
- Material development is still accelerating
- Best mechanical quality in the market

Non Destructive Testing (NDT)

The UtilityScan® Pro is GSSI's premium utility locating system, offering users modularity within one scanning system. The UtilityScan Pro system provides a non-destructive means to accurately locate metallic and non-metallic underground utilities. UtilityScan Pro is ideal for locating the position and depth of metallic and non-metallic objects, including service utilities such as gas, communications, sewer lines as well as underground storage tanks and PVC pipe. It is also used to help identify shallow geophysical characteristics and to conduct site assessments. The UtilityScan Pro is based on the SIR 4000, and can be used for additional applications, including bridge and concrete inspection, by interchanging the cart and antenna configurations.

Mark with Confidence

The UtilityScan Pro delivers exceptional data quality and is rugged enough to withstand the job site's toughest conditions. Locate subsurface utilities, with confidence.

Fully Customizable System

Users can customize the UtilityScan Pro with multiple antenna offerings and cart options. The tailored options provide survey flexibility, from smooth, prepared surfaces to rugged terrain with our rugged four-wheel cart that suit a number of utility locating applications.

Data Visualization

The UtilityScan Pro system features our state-of-the-art SIR 4000 controller and can incorporate an optional AC power accessory. The SIR 4000 controller incorporates advanced display modes and filtering capabilities for in-the-field processing and imaging. The LineTrac accessory for digital antennas adds the ability to detect AC power and induced RF energy present in buried utilities.

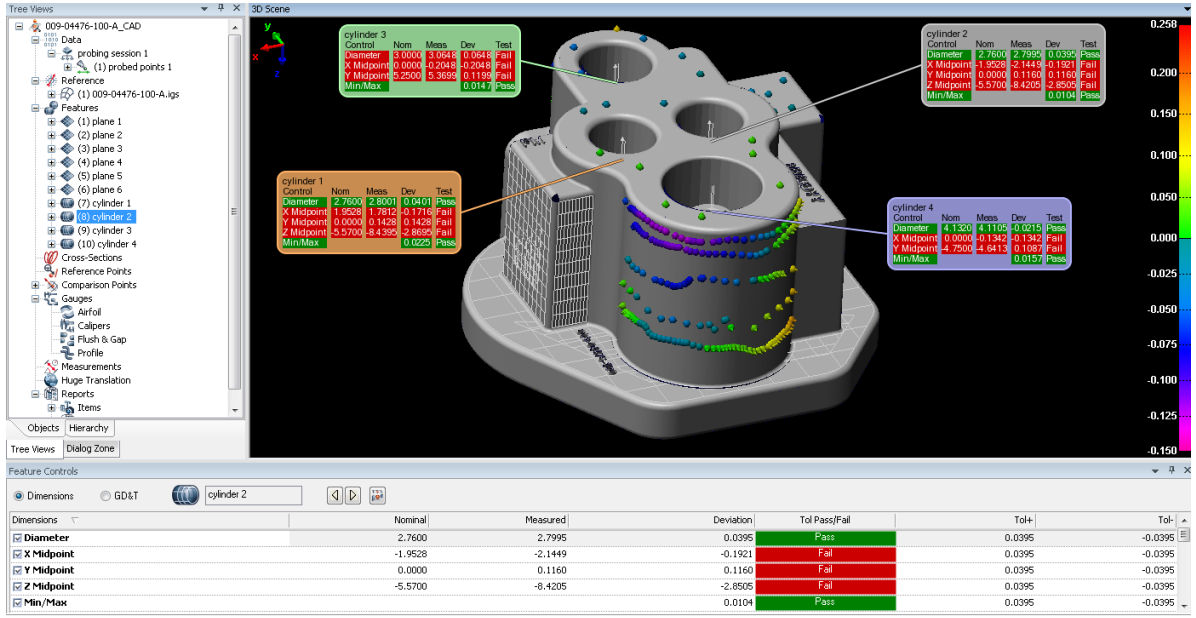
3D INSPECTION –CAD-Based Inspection

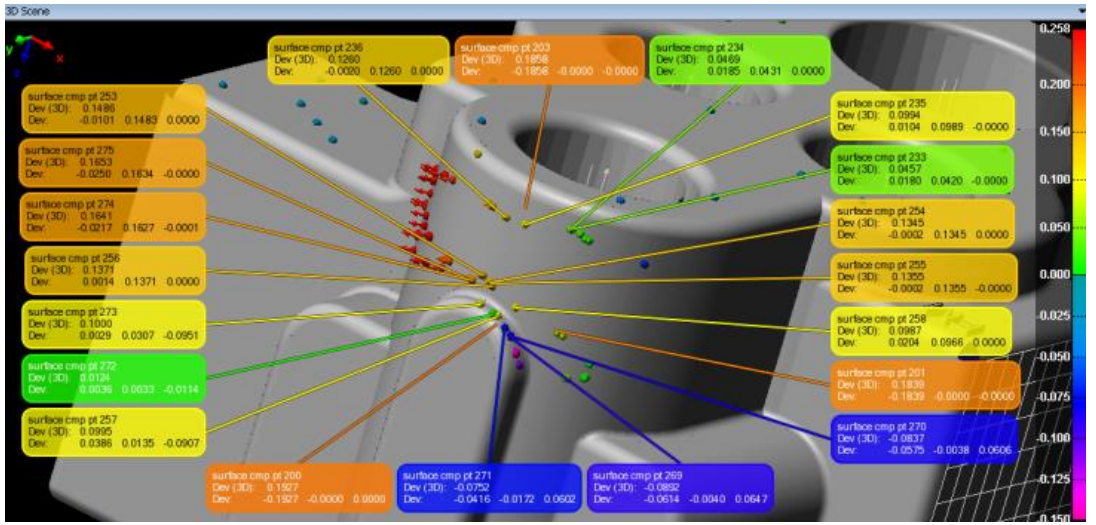
We can probe a casting/pattern. Note the ability to take **inspection points** on ANY surface on-the-fly and **compare to CAD.**

- You can see by the colored dots where the part conforms and where there is error (and by how much).

Ability to **pick features off CAD and then inspect them**

- You can see by the labels how the features match the model!



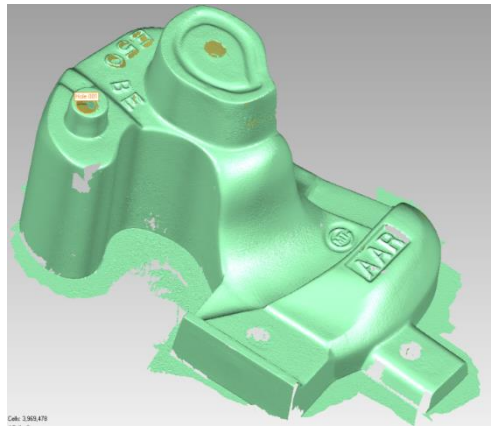
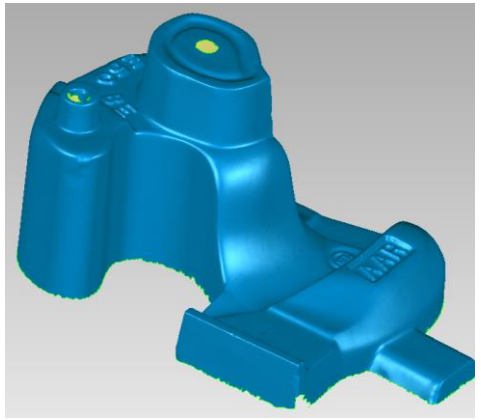
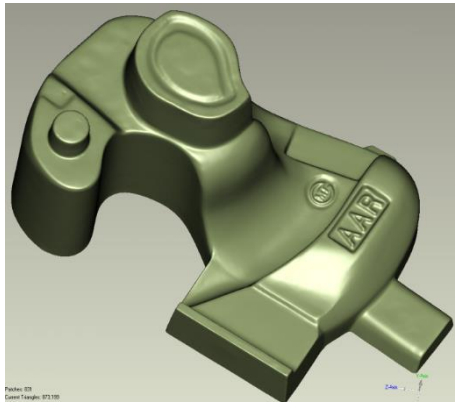
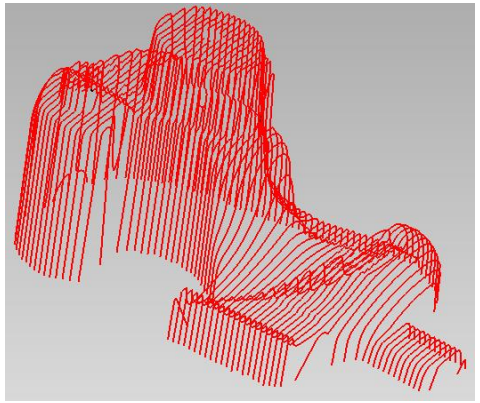


Close-up with **deviation labels**

Report is automatically-generated….with part views and all data in multiple formats

REVERSE ENGINEERING

We use the 3D Scanners to scan the casting / pattern and then process the data from a **point-cloud** to a **polygon model** into a finished **CAD model**

We can cross-section the scan and export the **curves** for modeling in native CAD packages (SolidWorks, Inventor, Pro-E, etc)

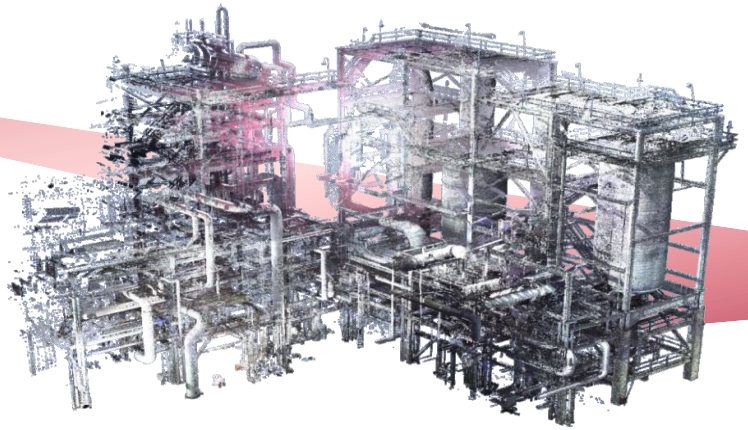
PROJECT & SERVICES

Facilities Planning

Scanning by Long-Range 3D Scanner

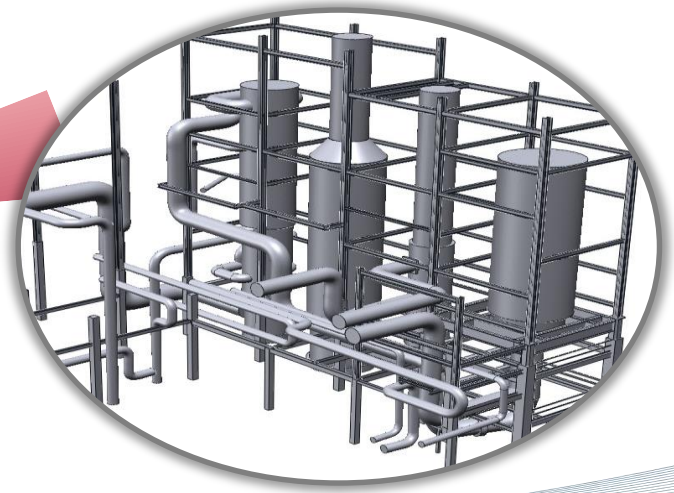
Using Massive Numbers of Point Clouds or Meshes

- Cleaning & Editing
- Analyzing Shapes using Various Viewing Tools
- Aligning Scans



Extracting Feature Information and 3D Feature Modeling

- As-Built 3D Feature Modeling
- Intelligent Pipe Modeling Wizard
- Accuracy Confirmation
- Exporting to Downstream



Oil & Gas Plant

- Engineering Analysis & Simulation
- Plant Maintenance
- Facilities Renovation
- Assessing Upgrade and Retrofit Benefits
- Visualization

Facilities Planning

Scanning by Long-Range 3D Scanner

Using Massive Numbers of Point Clouds or Meshes

- Cleaning & Editing
- Analyzing Shapes using Various Viewing Tools
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Extracting Feature Information and 3D Feature Modeling

- As-Built 3D Feature Modeling
- Various Feature Modeling Wizards
- Accuracy Confirmation
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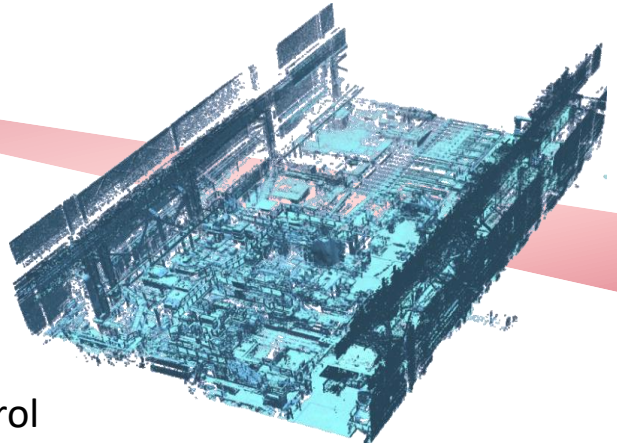
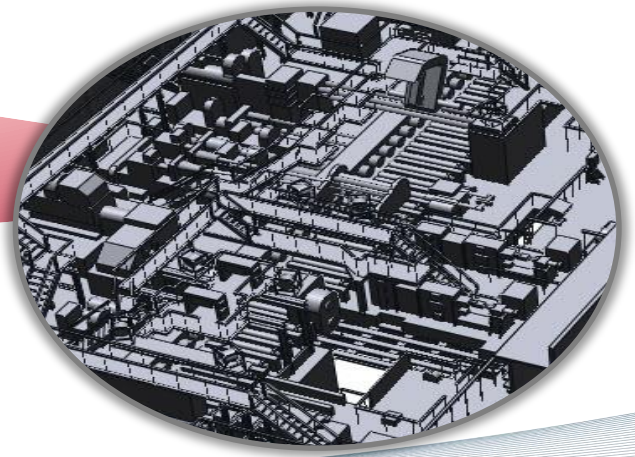




Iron Foundry Plant

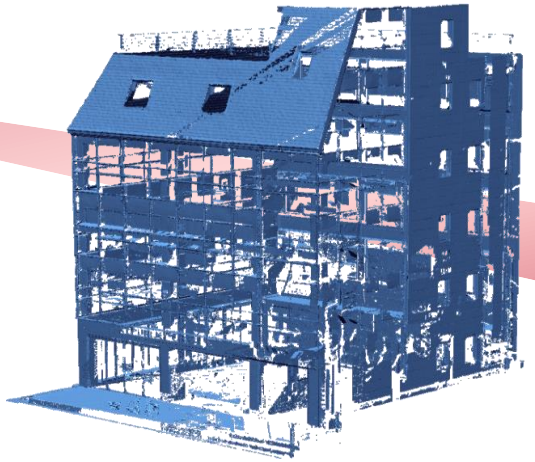
- Engineering Analysis & Simulation
- Asset Management & Dimension Control
- Facilities Renovation
- Assessing Upgrade and Retrofit Benefits
- Visualization

Building Design

Scanning by Long-Range 3D Scanner

Using Massive Numbers of Point Clouds or Meshes

- Cleaning & Editing
- Analyzing Shapes using Various Viewing Tools
- Aligning Scans & Constructing Mesh
- Intelligently Recognizing Feature Regions



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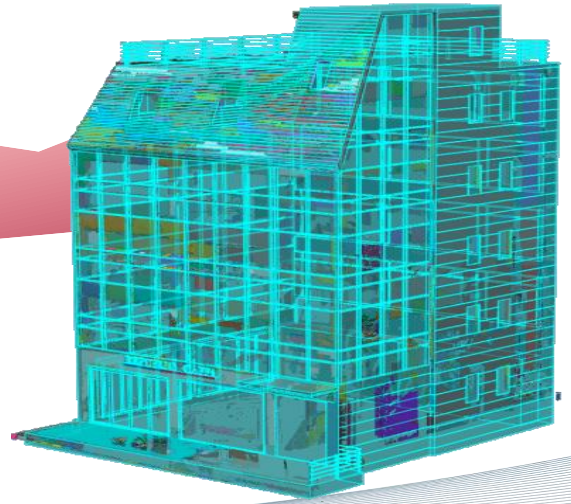

Building

- Renovation and Structural Rehabilitation
- Intelligent Transportation Systems
- Visualization
- Real Estate Applications

Ship Design

Scanning by Long-Range 3D Scanner

Using Massive Numbers of Point Clouds or Meshes

- Cleaning & Editing
- Analyzing Shapes using Various Viewing Tools
- Aligning Scans & Constructing Mesh
- Intelligently Recognizing Feature Regions

Extracting Feature Information and 3D Feature Modeling

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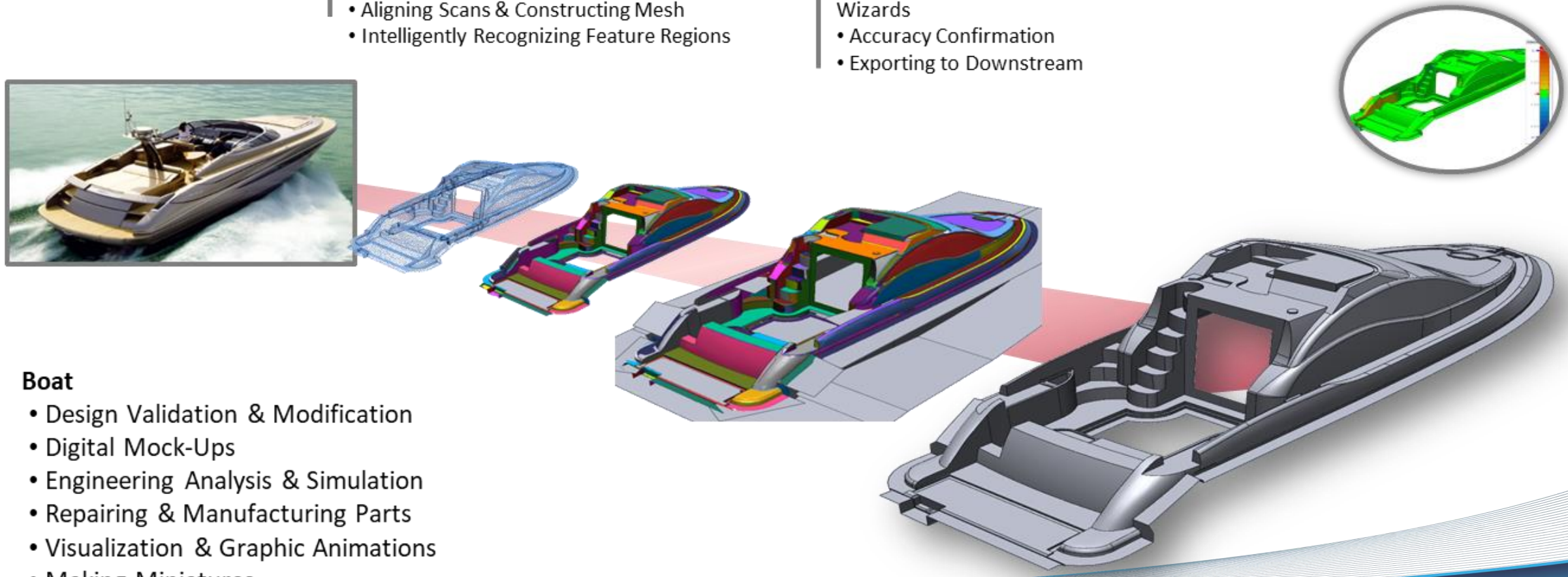


Boat

- Design Validation & Modification
- Digital Mock-Ups
- Engineering Analysis & Simulation
- Repairing & Manufacturing Parts
- Visualization & Graphic Animations
- Making Miniatures

Heritage Designs

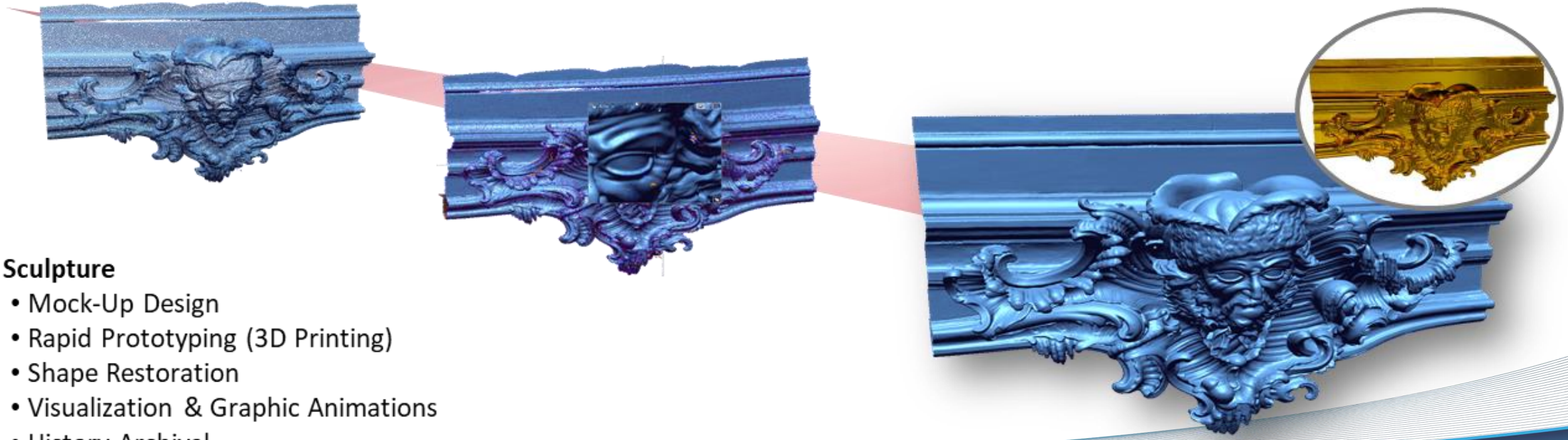
Scanning by Long-Range 3D Scanner

Using Massive Numbers of Point Clouds or Meshes

- Cleaning & Editing
- Analyzing Shapes using Various Viewing Tools
- Aligning Scans & Constructing Mesh

Mesh Optimization

- Intelligent Mesh Healing Wizard
- Easy to fill Holes
- Powerful Mesh Optimization Tools
- Accuracy Confirmation
- Exporting Section Curves in AutoCAD DXF File Format



Sculpture

- Mock-Up Design
- Rapid Prototyping (3D Printing)
- Shape Restoration
- Visualization & Graphic Animations
- History Archival

Heritage

Scanning by Long-Range 3D Scanner

Using Massive Numbers of Point Clouds or Meshes

- Cleaning & Editing
- Analyzing Shapes using Various Viewing Tools
- Aligning Scans & Constructing Mesh
- Intelligently Recognizing Feature Regions

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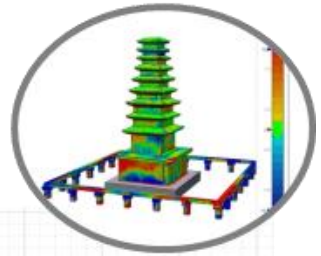
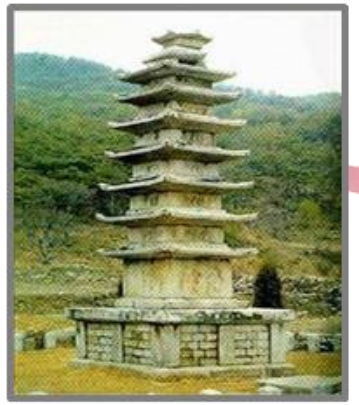
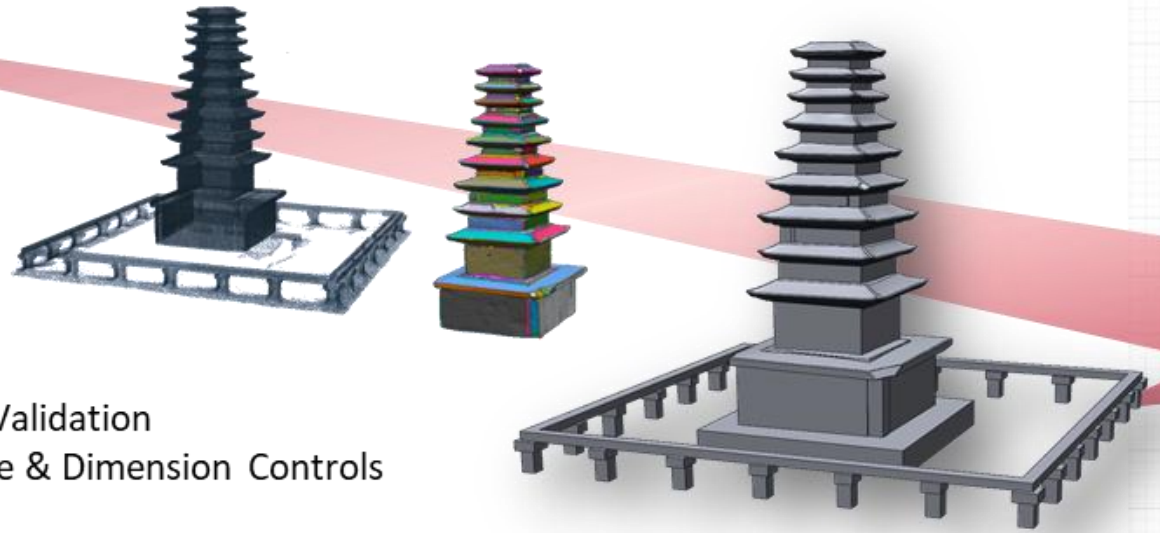
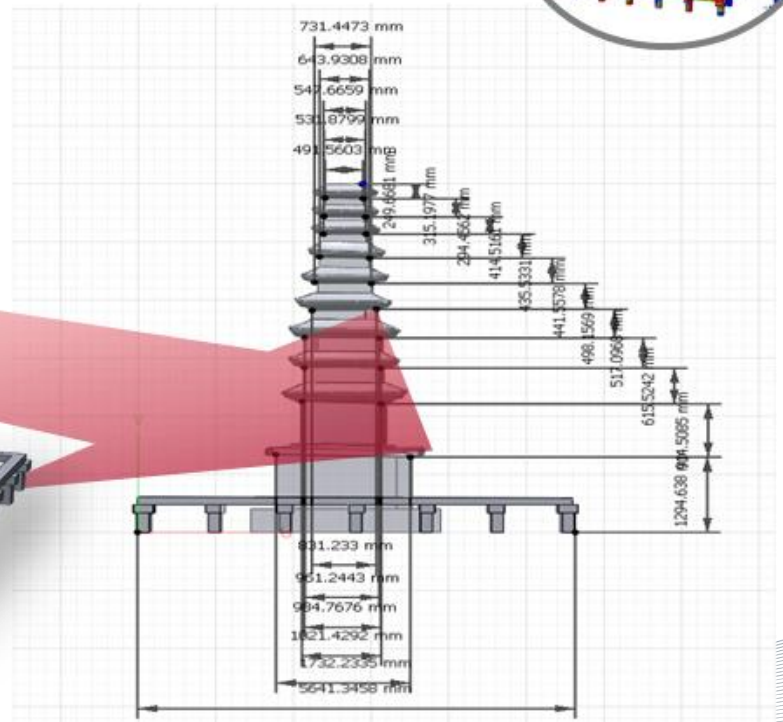




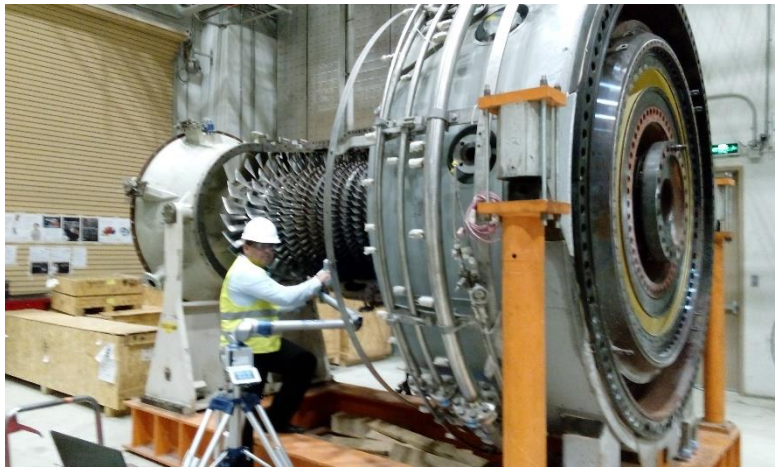




Tower

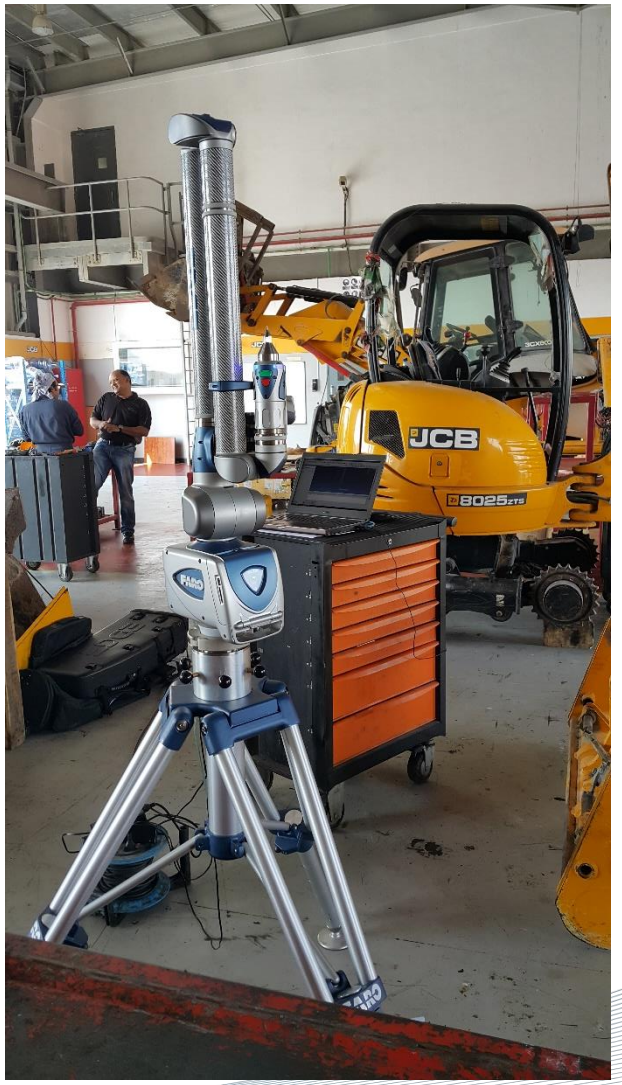
- Structural Testing & Validation
- Maintaining Sculpture & Dimension Controls
- Shape Restoration
- Visualization & Graphic Animations
- History Archival

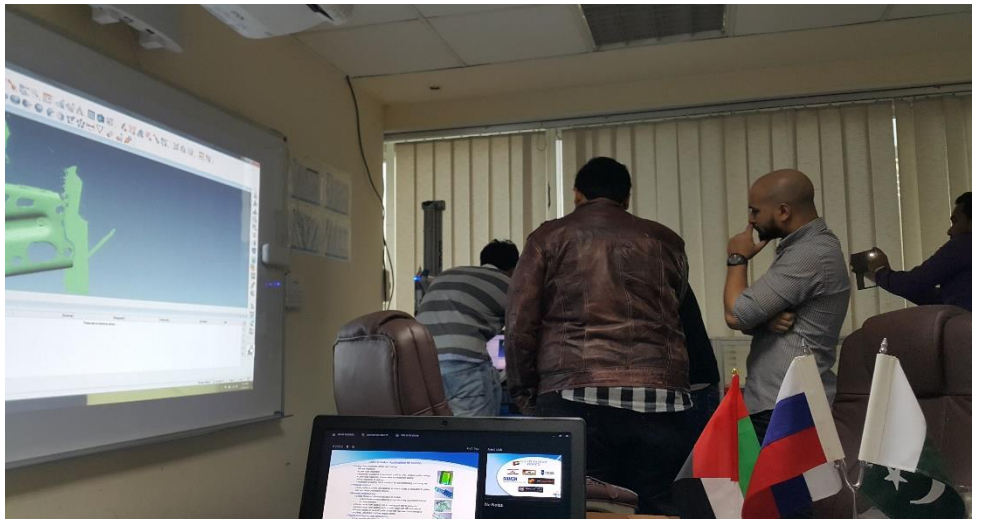
3D Inspection



PROJECT & ACTIVITIES

PROJECT & ACTIVITIES

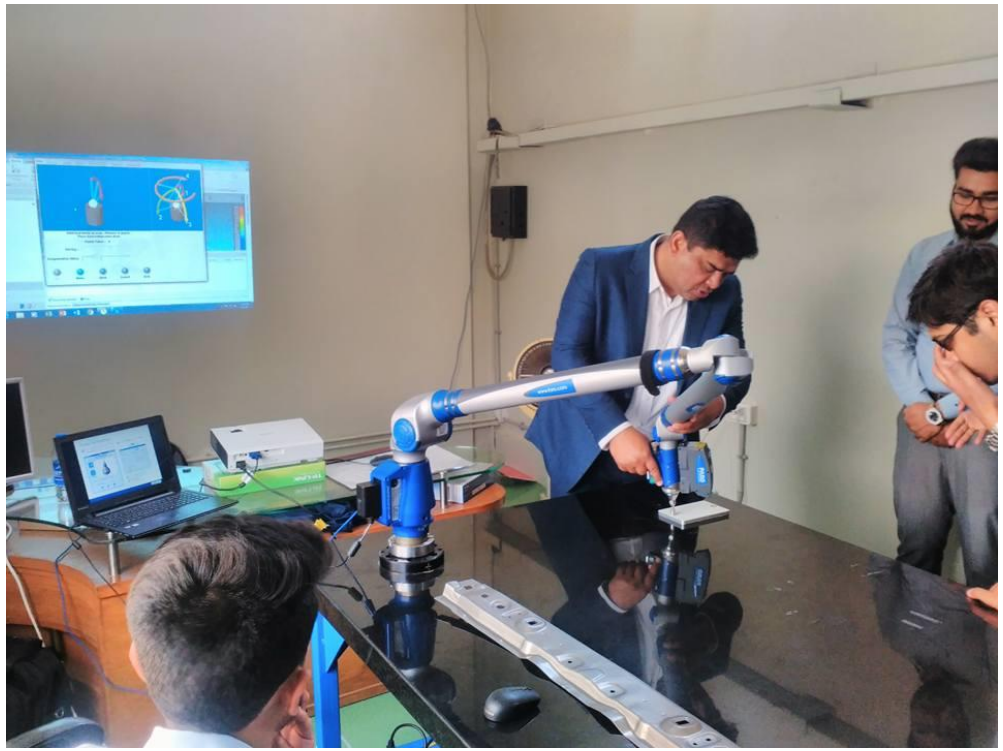




PROJECT & ACTIVITIES

AbuDhabi Mens College Discovers Creative Dimensions at 3D Design & Reverse Engineering Workshop.

PROJECT & ACTIVITIES



SHAHEEN AUTOMOTIVE CUSTOMER ORIENTATION SESSION

PROJECT & ACTIVITIES

EXHIBITION IN UAE

CONCLUSION

QUALITY SOLUTIONS is the fastest growing service provider of engineering design solutions in ***PAKISTAN***, and we aim to become one of the most trusted source of 3D measurement, designing, imaging technology for the region within Middle East & Pakistan.

Our strength lies in our services and expertise in CAD/CAM/CAE/CAID, ECAD etc. In future we plan to boost our strengths by establishing a ***REVERSE ENGINEERING*** facility of our own, as it is evident that the production industry is increasing in ***PAKISTAN*** region and use of reverse engineering and quality control inspection is the key. We have good potential customers for RE & Calibration Service. Surveyors, Manufacturers & Shipbuilding clients are in contact with us all the time for solve their as build documentation problems. More over, Workshop / seminar could be a good opportunity to reach out to such customers.

With our Expertise and 15 years of experience in this field , we hope to achieve very promising outcomes from this venture. We look forward to our future collaborations