

An Insight

APPOGY ENGINEERING SERVICES PVT. LTD.

Be the Best Version of You



About

An innovative group of professional technocrats potentially capable of reaching pinnacles in the Era of Design and Development.



About

- Research and development team at AES (Appogy Engineering Services) PVT. LTD. specializes in providing design, development and consulting services for engineering softwares in the field of CAD & CAE.
- Our engineering consultants are focused on providing best services to deliver innovative design solutions to Engineering, Manufacturing and Building service sectors.
- We believe in providing engineering services by forming long term working partnership with our clients, with a commitment of achieving a total quality solution.
- AES enhances the software skills of engineers as per industry standards, by introducing training programs as well as internships on live project along with adequate assistance to get employment.

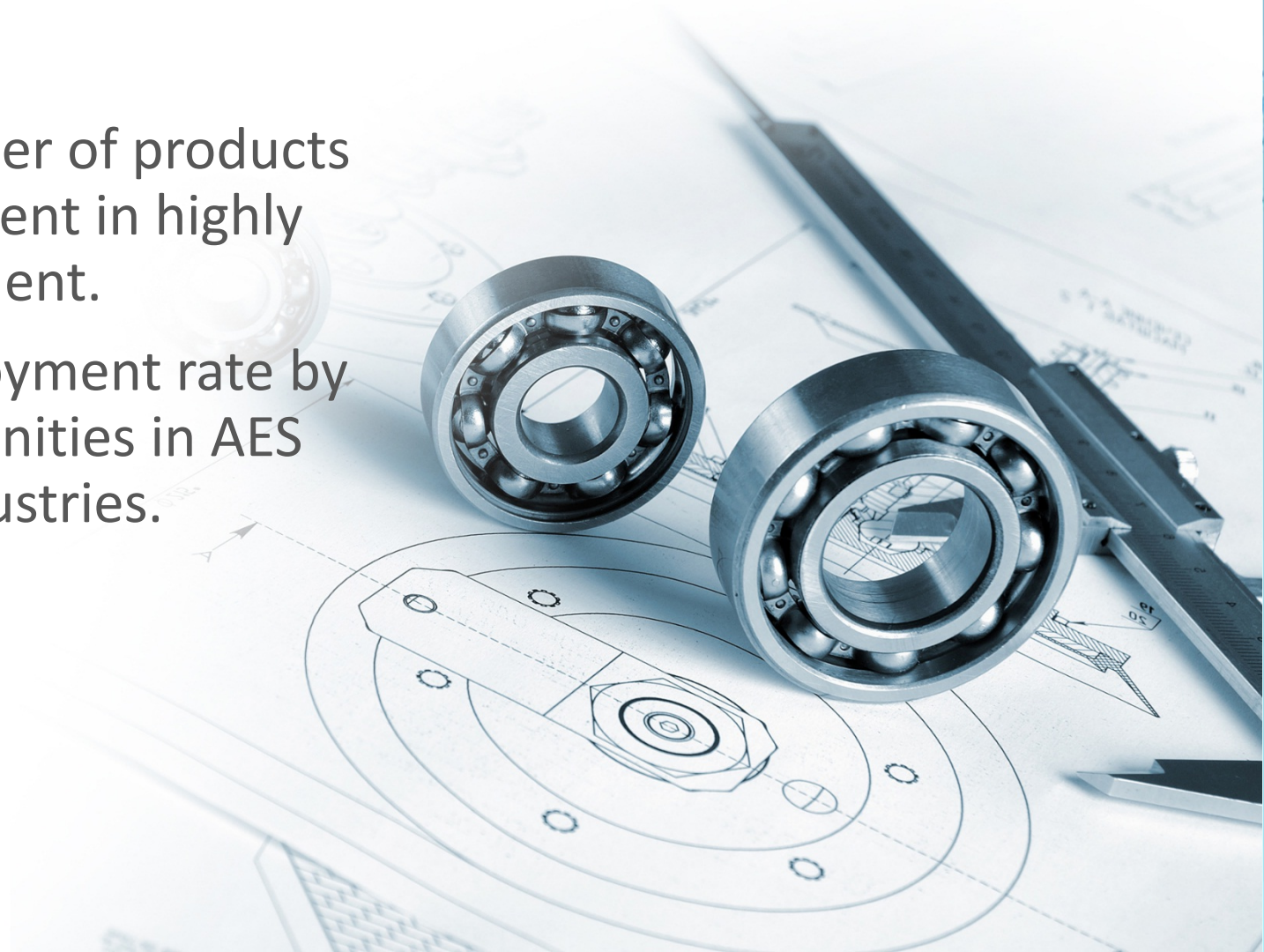
Vision

To be a pioneer service sector in the field of Design, Development and Manufacturing for Automobile, Aerospace & Mechanical industries.



Objectives

- To be a leading provider of products Design and Development in highly competitive environment.
- To increase the employment rate by providing job opportunities in AES as well as leading Industries.



What We Did

As a part of Taneja Aerospace and Aviation Limited, our team has worked on the projects like design and Manufacturing of HORIZONTAL STABILIZER for Intermediate Jet Trainer aircraft, Manufacturing of Unmanned Air Vehicle RUSTOM 2, CANISTER CASING for RAFAEL Aircrafts, and designing of landing gear parts for SU-30 Aircraft, leading in the areas of Design, Planning, Assembly and Manufacturing. We have worked for clients from leading industries like HAL, ISRO, ADA and VSSC.

As per our NDA with our previous organization we can't disclose our work in public document, but if in case client wants to see our work we can present it in personal meetings.

What We Do

- AES is a solution provider for all Design and Development for engineers, industry, professionals, developers & construction drawing requirements for architects.
- Expert management to take you through Design, Development, Drafting and Rendering solution. We have a policy of providing clients & staffs with latest CAD design technology and believe in a team spirit involving all in a friendly environment aimed at satisfying our clients design requirements. The company management has key objectives in continuously investing in the latest CAD softwares and engineering design staff, so the company can offer their services at competitive rates and continue to grow healthily. Many of the design engineers, we employ are long serving and are made to feel part of our success, which reflects in the confidence, our clients have in us.
- We use high end softwares like AUTOCAD, CATIA, PRO-E, HYPERMESH, ANSYS, NASTRAN / PATRAN to create and analyse designs that are technologically sound as well as exactly as per clients requirement.
- We make it a point to research the market trend regularly thus ensuring that the client get the most advanced product in terms of designing and technology.

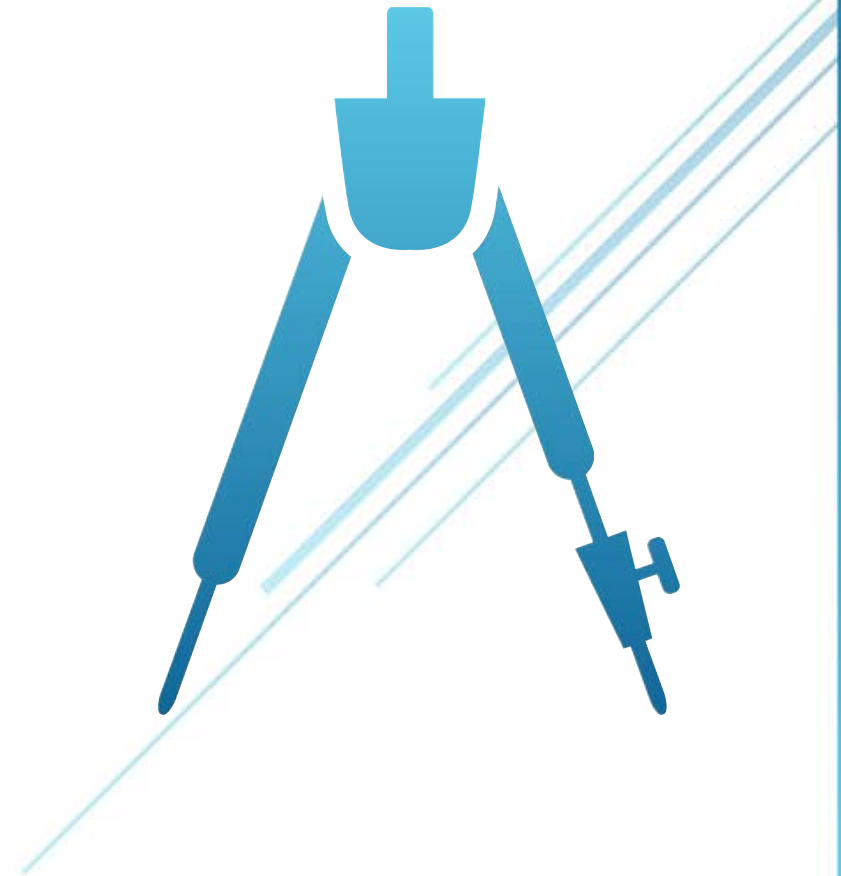
Services

Services | Product Development

Due to varieties of industries and clients, we are flexible with working under different industries and customer design and standard practices.

We are able to offer our resource and CAD services in two ways depending upon client requirements either undertaking the design project from our AES office or by placing suitable qualified and experienced engineering personnel onto client premises.

Drawings produced by our professionals range from simple line drawings to complicated manufacturing drawings, using GD&T technique when high tolerance and accuracy is required.



Services | Product Development

AES works on drawing within the following areas:

- Detail Manufacturing Drawings.
- As installed and as built drawings.
- Technical illustration for user manual or assembly guides.
- Drawing of patents.

Mostly all the drawings are produced using AUTO-CAD and CATIA V5. Drawings are tailored to suit client's needs. No two companies are the same so CAD drawings are produced consistent to company standards. This can include sharing CAD and drafting standards, ensuring text sizes, line widths and layering conventions are followed.

Services | 3D CAD Modelling

AES can undertake engineering drawing and draughting projects across the majority of engineering design discipline regardless of the size of project, with no job being too big or too small we possess an experienced team of Design Engineers who are flexible to work to our client's quality standards.



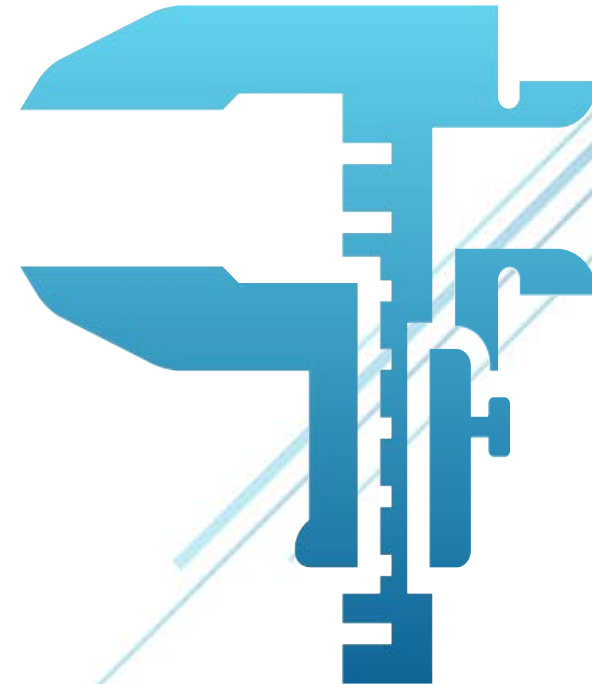
Services | 3D CAD Modelling

AES has a professional team of engineers, draftsman and modellers working round the clock producing the 3D models within the following areas:

- Parametric solid modelling.
- 3D CATIA Modelling.
- Surface Modelling.
- Sheet Metal Modelling.
- 3D CAD Models for Rapid prototyping.
- 3D CAD Models for visualization.

Services | Product Development

Our services include the development of new products from concept to manufacture. We discuss the requirements with clients for evaluating the best route to take. Initially ideas are taken from sketches and verbal inputs to provide our client with a proposal on how to get their ideas off the ground. The whole process can be formal or informal as the customer likes but a good plan and frequent meetings will prevent project drift.



Services | Product Development

- **PROJECT PROPOSAL:** Written proposal stipulating activities, cost and time scales.
- **INITIAL TECHNICAL FEASIBILITY STUDY:** Parts of the study include Technical feasibility and commercially viability.
- **DESIGN PROPOSALS :** It includes 3D visuals and CAD drawing to illustrate the alternative design. The drawing will show details such as moving parts internal working and 3d visuals of how the final product will look like.
- **WORKING PROTOTYPE:** Depending on the scale of the project it may require a working model for a proof of concept. This will let the client touch and feel the product that they could promote to potential clients. This can be done by liaising with the local model maker.

Services | Patent Drawing

Patent drawings are critical to any patent application and patent examiner may sometime reject the applications due to poor quality drawing. To make client's patent look professional and be granted. AES helps the customer to provide high quality patent drawings. Patent drawing (formal and informal) are created with the aid of CAD. Clients can get informal sketches for their patent by giving reference information i.e. rough sketches, photos or even verbal inputs.



Services | Training Services

On job training programs are introduced in AES for engineering students to enhance their software skills. We offer them an opportunity to be a part of organization and work with our professional on industrial projects for specific period of time. The main motive of the program is to prepare the students to meet industrial requirements in future and provide them hands on experience on on-going projects in the company.

The skills achieved will enable the trainees to lead, think strategically and make changes, improve their value to the organization and enhance future careers prospects. This will include softwares like AUTOCAD, CATIA, HYPERMESH etc., project management skills and leadership skills.

Project management skills will provide them the knowledge they need to ensure that risks are identified, managed appropriately and objects and benefits are achieved within budget, time and to the required quality.

Services | Building Information Modeling

Content

Our Price

Price of the project can be set by our job or drawing or on per hour basis. The exact amount is determined through negotiations, and takes into account the volume of work and staff qualification required by the contract.

There will no changes in minor modifications but new matters will be considered as additional work.

Appogy Difference

Using knowledge acquired by our experienced team members, AES delivery models help its clients leverage cost and quality advantage. We provide customized solutions for our clients. Our solutions are based upon the customers and delivery requirements.



Appogy Promise

- **ONE STOP SOLUTIONS:** AES is one stop solution provider for all kinds of CAD and CAE services.
- **DIVERSE PORTFOLIO:** Our portfolios showcase the diversity of design and drafting skills we can offer, from simple paper conversion to complex 3D product development.
- **CUSTOMIZED SOLUTIONS:** We provide solutions for all our customers based upon a rigorous analysis of customers' requirements, Budgets, Timeline and Delivery context.
- **TRANSPARENT COMMUNICATION:** We have an access to the best project management tools, templates and latest in telecommunication to keep our clients updated to every aspect of the project.

Scope and Conclusion

We present our sincere gratitude for going through the profile of AES Pvt. Ltd. As it is the first premier organization of its kind in HOSUR, TAMIL NADU performing multitasking in the field of Design and Development as well providing training cum employment to engineers, it won't be an exaggeration committing that the clients collaborating with us will always have self-satisfaction and high level benefits in corporate as well as manufacturing sector.



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