

FULL NAME:
Marcel AUBEL
ADRESS:
6 rue de la gare
F-68380 Metzeral

E-mail: traindesvosges@orange.fr
Web: <http://perso.wanadoo.fr/marcel.aubel.consultant.ferroviaire>



ENGINEER RAILWAY WORKSHOPS DESIGNER AND WORKSHOPS EQUIPMENTS

The experiment practises, framing of a rolling stock maintenance team , of rehabilitation of engines in Uganda, industrial production of rolling stock at Alstom plants, work to SNCF workshops (Sotteville), allows me a solid design of the maintenance and repair workshops.

Responsible of whole or part within a team, on four projects of workshops: Alexandria, Valenciennes, or Porto. Alexandria most important project, is planned for the treatment 50 electric train sets (3 coaches) in the Parisian RER kind. Valenciennes is a project for LRT workshop.

DESIGN WORKS DONE (nonexhaustive list):

Design Consultant and End User assistance.

Achievements : development of plans and outline drawings for the Alexandria, Valenciennes and Porto workshop. Those plans are intended to transcribe the schedules of conditions of the End User in exploitable documents by the various design offices: of civil engineering in particular, design and various offices and for all trade association in general. Follow-up of the designers for the achievement plans on Autocad.

Checking of the conformity of design drawings of the civil work offices, of the electric and different engineering offices. Work completed in solo in Cairo for Alexandria for example or in the building Owner for Valenciennes.

Study of general workshop organisation: materials circulation flows of in order to minimise the handling operations thanks to the shortest possible ways and with adapted means: lifting (travelling cranes, travelling platform, lifting crane columns, the lorries traction, etc...

Study of the work posts: ergonomics, adaptation sometimes particular to a subset such as a bogie (bogie turning bench for example or lifting cranes), wheels and axles lath, wheel lath in pit, mechanical tests of the principal parts: sweating, ultrasounds, etc.

Determination of the machines and equipment: machine tools (wheels axles, intern traction engines, etc), electric and electronic tests benches according to the design, of the nature of the subsets according to the manufacturers notes (transformer, power and command electronic, bogies, etc.).

Study of the train sets" washing roads ", cleaning of the subsets (bogies, traction motors, spare parts). cars interior and external cleaning on maintenance gang ways and putting up, stowing. worn water treatment.

Painting: painting cabins frames, bogies, subsets.

Storage: spare parts, outgoing parts for repair or maintenance (brake distributors for example).

Equipment: determination of general and individual tools according to the manufacturers recommendations, including the workshops on line intervention: catenary, tracks and buildings. Integrated maintenance.

Maintenance schedule planning, study and application of maintenance procedure, manpower determination according to the requirements of the customer and the manufacturer.

Study of energy distribution, the powers calculation by zone (rate of crumpling), general assessment. Study of the cables routes of the in frame of the workshops, pull cable box: HT, LT, low currents....

Hygiene and safety: rules applications French fair labour standards act in the absence of local standards. Study of the fire control devices, of the accidents fight.

LANGUAGES

ORGANIZATION

As a Maintenance Unit Manager, he acquired expertise in the following fields : Computerization of Quality. Personal Management/Technical/Cost-Accounting/Budget-Making Applications (FFr 11 million budget for maintenance including labour costs), maintenance work planning, staff management (40 staff), purchases and outsourcing.

SUPERVISION

Various positions : work supervisor for S.N.C.F (10 staff), shop manager (40 staff) in Uganda for the refurbishment and maintenance of locomotives, rolling stock maintenance shop manager (20 staff) for a public works company, manager responsible for the motive and trailer stock of the Railways of Provence (40 staff).

PROFESSIONAL ACHIEVEMENTS

2002-2004 CONSULTANT-SERVICE PROVIDER: design of a descriptive note on the operations and planning concerning the electric Diesel locos rehabilitation.

2000-2001 CONSULTANT-SERVICE PROVIDER: audit conducted at Strasbourg, on behalf of Adtranz (France), as regards the Eurotram maintenance. That input led to a contract being awarded for Eurotram maintenance. Maintenance contract review encompassing technical and social constraints as well as risk analysis.

On behalf of Adtranz at Nantes : maintenance study for "Incentro" trams and logistics/ administrative support to the maintenance facilities. Interfacing with the customer.

1997-2000 CONSULTANT-SERVICE PROVIDER: on behalf of Adtranz, validation of replies to call for tenders with respect to tram rolling stock: trams for Bordeaux city (manufactured in Germany) and "Palito" tilting sets for SNCF (manufactured in Sweden).

CONSULTANT-SERVICE PROVIDER: to the rail industry: rolling stock, design of maintenance workshops (Alexandria, Egypt) and depots; design studies and preparation of outline drawings, selection of equipment (Semaly, SMM, Systra); similar assignment carried out at Porto.

1996 DEConsult: engineering assignment in Malaysia for a maintenance workshop Kuala Lumpur Express Rail Link.

1992-1995 RAILWAYS OF PROVENCE

Head of Motive/Trailer Stock and Driving Crews Division (40 people, FFr m 11 budget)
Technical supervision of a 15-unit strong fleet including traction units and freight wagons ;
Management of maintenance workshop staff and driving crews ;
Computerisation of Division ;
Design of mechanical, pneumatic and electrical modifications ;
Project management of railcar refurbishment operations : supervision of a large range of technical specialists ;
Drafting an invitation to tender regarding rolling stock ;
Negotiating with suppliers and supervision of Contractors ;
Introduction of Quality Assurance systems for workshops and depots ;
Expertise on rolling stock and workshops in Germany ;
Technical studies relating to transport systems such as tramways;
Responsibility for the upgrading of the cog-wheel tourist railway of la Rhune.

1991-1992 Railway track construction company
Maintenance shop manager in charge of a fleet of 20 diesel traction units.
Ensuring compliance with standards ;
Supervising conversions, modifications, maintenance of mechanical, electrical and pneumatic components ;
Drafting of maintenance documents for traction units, technical documentation ;
Maintenance and fault-finding on locomotives throughout France ;
Planning and implementation of major overhauls of all traction units ;
Training of 20 works train drivers ;
Spare part supply in France and Germany ;
Supervision of 10 workers on workshop floor.

1982-1991 GEC-ALSTHOM
From 90 to 91 Manager of a refurbishment site in Uganda:
Refurbishment of locomotives including a Diesel generator set;
Relations with the Client and with the French foreign office representatives ;

Working languages : English and German;
Supervision of 40 staff of Uganda Railways Corporation. Planning of work and training of technicians from all crafts;
Financial management of the construction site: accounting, banking issues.

From 86 to 90 Manufacturing co-ordination technician:
Co-ordination and supplies of 300 locomotives for China ;
Preparation of minutes following production meetings for the 50 Hz Grouping ;
Supervision of manufacturing time scales and plans. Business review with European partners (from Germany, Switzerland, Belgium and France).
From 82 to 86 Technician for an R&D project:
Preparation and edition of technical instructions - Responsibility for the complete conversion work of a prototype diesel-electric locomotive ;
Production of electrical wiring diagrams, drawings for mechanical and pneumatic modifications as well as modifications to the Diesel engine, its wiring and pneumatic equipment ;
Planning and supervision of electro-technical tests for power and control equipment ;
Planning and supervision of line testing.

EDUCATION

- BEI (Brevet d' Enseignement Industriel) ~ high-school Diploma in electromechanical engineering (1962) at Lycée Vauban,
- Technical and practical training : Diesel traction engines (S.N.C.F Sotteville workshop),
- Training period in electronics at the French Electricity Board (1962-1963),
- Training period in chemistry (I.U.T. d'Orsay-1978) – 2nd level degree (I.F.P.),
- Software : Word, Excel, Powerpoint Access, Visio, Autocad,
- Health and Safety-
- ISO 9000 Standards.

EXTRA-PROFESSIONAL OCCUPATIONS

- Fellow of the « Techniciens Suisses du Transport » Society ;
- Fellow of the « l'Association des Conducteurs de TGV » (TGV Train Drivers) ;
- Railway, Industrial and architectural photography, natural history.